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

Hit Summary Sheet
SW-846

SDG No.: Q2176

Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID : TP-46									
Q2176-01	TP-46	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	280.000	AB	0	0	ug/Kg
Q2176-01	TP-46	SOIL	Benzophenone	*	340.000	J	0	0	ug/Kg
Q2176-01	TP-46	SOIL	n-Hexadecanoic acid	*	110.000	J	0	0	ug/Kg
Q2176-01	TP-46	SOIL	Octacosyl trifluoroacetate	*	140.000	J	0	0	ug/Kg
			Total Tics :		**870.00**				
			Total Concentration:		**870.00**				
Client ID : TP-56									
Q2176-02	TP-56	SOIL	Fluoranthene		96.400	J	34.7	200	ug/Kg
			Total Svoc :		**96.40**				
Q2176-02	TP-56	SOIL	1-Heneicosanol	*	120.000	J	0	0	ug/Kg
Q2176-02	TP-56	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	240.000	AB	0	0	ug/Kg
Q2176-02	TP-56	SOIL	Benzophenone	*	300.000	J	0	0	ug/Kg
Q2176-02	TP-56	SOIL	n-Hexadecanoic acid	*	120.000	J	0	0	ug/Kg
			Total Tics :		**780.00**				
			Total Concentration:		**876.40**				
Client ID : TP-25									
Q2176-03	TP-25	SOIL	1-Nonadecene	*	170.000	J	0	0	ug/Kg
Q2176-03	TP-25	SOIL	1-Octadecene	*	150.000	J	0	0	ug/Kg
Q2176-03	TP-25	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	230.000	AB	0	0	ug/Kg
Q2176-03	TP-25	SOIL	Benzophenone	*	380.000	J	0	0	ug/Kg
Q2176-03	TP-25	SOIL	Cyclotetradecane	*	190.000	J	0	0	ug/Kg
Q2176-03	TP-25	SOIL	Heneicosane	*	92.800	J	0	0	ug/Kg
Q2176-03	TP-25	SOIL	n-Hexadecanoic acid	*	570.000	J	0	0	ug/Kg
Q2176-03	TP-25	SOIL	Octadecanoic acid	*	170.000	J	0	0	ug/Kg
Q2176-03	TP-25	SOIL	Squalene	*	170.000	J	0	0	ug/Kg
			Total Tics :		**2,122.80**				
			Total Concentration:		**2,122.80**				
Client ID : TP-26									
Q2176-04	TP-26	SOIL	Phenanthrene		800.000		49	400	ug/Kg
Q2176-04	TP-26	SOIL	Anthracene		200.000	J	78.1	400	ug/Kg
Q2176-04	TP-26	SOIL	Fluoranthene		1,500.000		70.4	400	ug/Kg
Q2176-04	TP-26	SOIL	Pyrene		1,300.000		84.5	400	ug/Kg
Q2176-04	TP-26	SOIL	Benzo(a)anthracene		570.000		54	400	ug/Kg
Q2176-04	TP-26	SOIL	Chrysene		630.000		46.7	400	ug/Kg
Q2176-04	TP-26	SOIL	Benzo(b)fluoranthene		670.000		44.6	400	ug/Kg
Q2176-04	TP-26	SOIL	Benzo(k)fluoranthene		280.000	J	52.6	400	ug/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q2176

Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Q2176-04	TP-26	SOIL	Benzo(a)pyrene		480.000		69.2	400	ug/Kg
Q2176-04	TP-26	SOIL	Indeno(1,2,3-cd)pyrene		260.000	J	68.3	400	ug/Kg
Q2176-04	TP-26	SOIL	Benzo(g,h,i)perylene		320.000	J	60.3	400	ug/Kg
			Total Svoc :		**7,010.00**				
Q2176-04	TP-26	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	240.000	AB	0	0	ug/Kg
Q2176-04	TP-26	SOIL	4H-Cyclopenta[def]phenanthrene	*	280.000	J	0	0	ug/Kg
Q2176-04	TP-26	SOIL	Benzophenone	*	470.000	J	0	0	ug/Kg
Q2176-04	TP-26	SOIL	n-Hexadecanoic acid	*	390.000	J	0	0	ug/Kg
Q2176-04	TP-26	SOIL	Propylene Glycol	*	5,100.000	J	0	0	ug/Kg
			Total Tics :		**6,480.00**				
			Total Concentration:		**13,490.00**				
Client ID :	**TP-28**								
Q2176-05	TP-28	SOIL	Fluoranthene		120.000	J	33.1	190	ug/Kg
Q2176-05	TP-28	SOIL	Pyrene		87.400	J	39.7	190	ug/Kg
			Total Svoc :		**207.40**				
Q2176-05	TP-28	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	220.000	AB	0	0	ug/Kg
Q2176-05	TP-28	SOIL	3-Eicosene, (E)-	*	190.000	J	0	0	ug/Kg
Q2176-05	TP-28	SOIL	Benzophenone	*	450.000	J	0	0	ug/Kg
Q2176-05	TP-28	SOIL	n-Hexadecanoic acid	*	370.000	J	0	0	ug/Kg
Q2176-05	TP-28	SOIL	Octadecanoic acid	*	96.000	J	0	0	ug/Kg
			Total Tics :		**1,326.00**				
			Total Concentration:		**1,533.40**				
Client ID :	**TP-27**								
Q2176-06	TP-27	SOIL	Benzo(b)fluoranthene		110.000	J	22.8	200	ug/Kg
Q2176-06	TP-27	SOIL	Benzo(a)pyrene		98.600	J	35.4	200	ug/Kg
Q2176-06	TP-27	SOIL	Benzo(g,h,i)perylene		110.000	J	30.9	200	ug/Kg
			Total Svoc :		**318.60**				
Q2176-06	TP-27	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	300.000	AB	0	0	ug/Kg
Q2176-06	TP-27	SOIL	Benzophenone	*	530.000	J	0	0	ug/Kg
Q2176-06	TP-27	SOIL	n-Hexadecanoic acid	*	270.000	J	0	0	ug/Kg
Q2176-06	TP-27	SOIL	Octadecanoic acid	*	160.000	J	0	0	ug/Kg
Q2176-06	TP-27	SOIL	Oxalic acid, isobutyl hexadecyl es	*	120.000	J	0	0	ug/Kg
Q2176-06	TP-27	SOIL	Tetratriacontyl heptafluorobutyrat	*	82.400	J	0	0	ug/Kg
Q2176-06	TP-27	SOIL	unknown20.201	*	99.200	J	0	0	ug/Kg
			Total Tics :		**1,561.60**				
			Total Concentration:		**1,880.20**				
Client ID :	**TP-31**								
Q2176-07	TP-31	SOIL	Phenanthrene		99.500	J	24	200	ug/Kg
Q2176-07	TP-31	SOIL	Fluoranthene		97.400	J	34.5	200	ug/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q2176

Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
			Total Svoc :		**196.90**				
Q2176-07	TP-31	SOIL	Heptadecyl heptafluorobutyrate	*	210.000	J	0	0	ug/Kg
Q2176-07	TP-31	SOIL	n-Hexadecanoic acid	*	200.000	J	0	0	ug/Kg
Q2176-07	TP-31	SOIL	Trifluoroacetic acid, pentadecyl e	*	110.000	J	0	0	ug/Kg
Q2176-07	TP-31	SOIL	Trifluoroacetic acid,n-tridecyl es	*	100.000	J	0	0	ug/Kg
Q2176-07	TP-31	SOIL	1-Octadecene	*	95.500	J	0	0	ug/Kg
Q2176-07	TP-31	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	300.000	AB	0	0	ug/Kg
Q2176-07	TP-31	SOIL	Benzene, 1,1-(1,3-butadiyne-1,4-d	*	120.000	J	0	0	ug/Kg
Q2176-07	TP-31	SOIL	Benzophenone	*	490.000	J	0	0	ug/Kg
			Total Tics :		**1,625.50**				
			Total Concentration:		**1,822.40**				
Client ID :	**TP-65**								
Q2176-08	TP-65	SOIL	1-Tetracosene	*	120.000	J	0	0	ug/Kg
Q2176-08	TP-65	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	270.000	AB	0	0	ug/Kg
Q2176-08	TP-65	SOIL	7,9-Di-tert-butyl-1-oxaspiro(4,5)d	*	76.600	J	0	0	ug/Kg
Q2176-08	TP-65	SOIL	Benzophenone	*	380.000	J	0	0	ug/Kg
Q2176-08	TP-65	SOIL	n-Hexadecanoic acid	*	270.000	J	0	0	ug/Kg
			Total Tics :		**1,116.60**				
			Total Concentration:		**1,116.60**				

SAMPLE DATA

Raw Data: **BF142661.D**

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

Client:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-46	SDG No.:	Q2176
Lab Sample ID:	Q2176-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.7
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142661.D	1	06/04/25 09:10	06/06/25 22:31	PB168234

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	190	U	190	390	ug/Kg
108-95-2	Phenol	26.4	U	26.4	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	29.0	U	29.0	200	ug/Kg
95-57-8	2-Chlorophenol	29.1	U	29.1	200	ug/Kg
95-48-7	2-Methylphenol	35.7	U	35.7	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	44.8	U	44.8	200	ug/Kg
98-86-2	Acetophenone	35.2	U	35.2	200	ug/Kg
65794-96-9	3+4-Methylphenols	49.1	U	49.1	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	56.6	U	56.6	95.5	ug/Kg
67-72-1	Hexachloroethane	21.0	U	21.0	200	ug/Kg
98-95-3	Nitrobenzene	21.8	U	21.8	200	ug/Kg
78-59-1	Isophorone	39.2	U	39.2	200	ug/Kg
88-75-5	2-Nitrophenol	69.5	U	69.5	200	ug/Kg
105-67-9	2,4-Dimethylphenol	77.4	U	77.4	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	36.8	U	36.8	200	ug/Kg
120-83-2	2,4-Dichlorophenol	33.8	U	33.8	200	ug/Kg
91-20-3	Naphthalene	27.1	U	27.1	200	ug/Kg
106-47-8	4-Chloroaniline	42.3	U	42.3	200	ug/Kg
87-68-3	Hexachlorobutadiene	30.2	U	30.2	200	ug/Kg
105-60-2	Caprolactam	62.2	U	62.2	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	34.3	U	34.3	200	ug/Kg
91-57-6	2-Methylnaphthalene	30.6	U	30.6	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	140	U	140	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	23.6	U	23.6	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	34.7	U	34.7	200	ug/Kg
92-52-4	1,1-Biphenyl	26.0	U	26.0	200	ug/Kg
91-58-7	2-Chloronaphthalene	26.9	U	26.9	200	ug/Kg
88-74-4	2-Nitroaniline	57.4	U	57.4	200	ug/Kg
131-11-3	Dimethylphthalate	32.4	U	32.4	200	ug/Kg

Raw Data: **BF142661.D**

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

Client:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-46	SDG No.:	Q2176
Lab Sample ID:	Q2176-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.7
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142661.D	1	06/04/25 09:10	06/06/25 22:31	PB168234

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	34.5	U	34.5	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	40.1	U	40.1	200	ug/Kg
99-09-2	3-Nitroaniline	54.9	U	54.9	200	ug/Kg
83-32-9	Acenaphthene	25.4	U	25.4	200	ug/Kg
51-28-5	2,4-Dinitrophenol	270	U	270	390	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	390	ug/Kg
132-64-9	Dibenzofuran	27.1	U	27.1	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	59.8	U	59.8	200	ug/Kg
84-66-2	Diethylphthalate	33.8	U	33.8	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	31.9	U	31.9	200	ug/Kg
86-73-7	Fluorene	30.2	U	30.2	200	ug/Kg
100-01-6	4-Nitroaniline	76.7	U	76.7	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	39.3	U	39.3	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	33.2	U	33.2	200	ug/Kg
118-74-1	Hexachlorobenzene	30.2	U	30.2	200	ug/Kg
1912-24-9	Atrazine	40.6	U	40.6	200	ug/Kg
87-86-5	Pentachlorophenol	61.2	U	61.2	390	ug/Kg
85-01-8	Phenanthrene	25.0	U	25.0	200	ug/Kg
120-12-7	Anthracene	39.8	U	39.8	200	ug/Kg
86-74-8	Carbazole	37.3	U	37.3	200	ug/Kg
84-74-2	Di-n-butylphthalate	57.2	U	57.2	200	ug/Kg
206-44-0	Fluoranthene	35.8	U	35.8	200	ug/Kg
129-00-0	Pyrene	43.0	U	43.0	200	ug/Kg
85-68-7	Butylbenzylphthalate	85.2	U	85.2	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	43.8	UQ	43.8	390	ug/Kg
56-55-3	Benzo(a)anthracene	27.5	U	27.5	200	ug/Kg
218-01-9	Chrysene	23.8	U	23.8	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	70.7	U	70.7	200	ug/Kg
117-84-0	Di-n-octyl phthalate	100	U	100	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	22.7	U	22.7	200	ug/Kg

Raw Data: **BF142661.D**

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

Client:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-46	SDG No.:	Q2176
Lab Sample ID:	Q2176-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.7
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142661.D	1	06/04/25 09:10	06/06/25 22:31	PB168234

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	26.7	U	26.7	200	ug/Kg
50-32-8	Benzo(a)pyrene	35.2	U	35.2	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	34.7	U	34.7	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	32.7	U	32.7	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	30.7	U	30.7	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	30.6	U	30.6	200	ug/Kg
123-91-1	1,4-Dioxane	54.0	U	54.0	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	32.7	U	32.7	200	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	84.2		18 - 112	56%	SPK: 150
13127-88-3	Phenol-d6	85.5		15 - 107	57%	SPK: 150
4165-60-0	Nitrobenzene-d5	53.0		18 - 107	53%	SPK: 100
321-60-8	2-Fluorobiphenyl	55.7		20 - 109	56%	SPK: 100
118-79-6	2,4,6-Tribromophenol	79.6		10 - 116	53%	SPK: 150
1718-51-0	Terphenyl-d14	45.5		10 - 105	46%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	124000	6.893			
1146-65-2	Naphthalene-d8	473000	8.175			
15067-26-2	Acenaphthene-d10	251000	9.934			
1517-22-2	Phenanthrene-d10	379000	11.422			
1719-03-5	Chrysene-d12	233000	14.063			
1520-96-3	Perylene-d12	269000	15.557			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	280	AB		5.11	ug/Kg
000119-61-9	Benzophenone	340	J		10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	110	J		11.9	ug/Kg
1000351-74-9	Octacosyl trifluoroacetate	140	J		13.9	ug/Kg

Raw Data: **BF142661.D**

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

Client:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-46	SDG No.:	Q2176
Lab Sample ID:	Q2176-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.7
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142661.D	1	06/04/25 09:10	06/06/25 22:31	PB168234

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

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

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

Raw Data: **BF142757.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-56	SDG No.:	Q2176
Lab Sample ID:	Q2176-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.2
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142757.D	1	06/04/25 09:10	06/12/25 14:58	PB168234

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	180	U	180	380	ug/Kg
108-95-2	Phenol	25.6	U	25.6	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	28.1	U	28.1	200	ug/Kg
95-57-8	2-Chlorophenol	28.2	U	28.2	200	ug/Kg
95-48-7	2-Methylphenol	34.6	U	34.6	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	43.4	U	43.4	200	ug/Kg
98-86-2	Acetophenone	34.2	U	34.2	200	ug/Kg
65794-96-9	3+4-Methylphenols	47.6	U	47.6	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	54.9	U	54.9	92.6	ug/Kg
67-72-1	Hexachloroethane	20.4	U	20.4	200	ug/Kg
98-95-3	Nitrobenzene	21.2	U	21.2	200	ug/Kg
78-59-1	Isophorone	38.0	U	38.0	200	ug/Kg
88-75-5	2-Nitrophenol	67.4	U	67.4	200	ug/Kg
105-67-9	2,4-Dimethylphenol	75.0	U	75.0	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	35.7	U	35.7	200	ug/Kg
120-83-2	2,4-Dichlorophenol	32.8	U	32.8	200	ug/Kg
91-20-3	Naphthalene	26.3	U	26.3	200	ug/Kg
106-47-8	4-Chloroaniline	41.0	U	41.0	200	ug/Kg
87-68-3	Hexachlorobutadiene	29.3	U	29.3	200	ug/Kg
105-60-2	Caprolactam	60.3	U	60.3	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	33.2	U	33.2	200	ug/Kg
91-57-6	2-Methylnaphthalene	29.6	U	29.6	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	130	U	130	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	22.9	U	22.9	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	33.7	U	33.7	200	ug/Kg
92-52-4	1,1-Biphenyl	25.2	U	25.2	200	ug/Kg
91-58-7	2-Chloronaphthalene	26.1	U	26.1	200	ug/Kg
88-74-4	2-Nitroaniline	55.7	U	55.7	200	ug/Kg
131-11-3	Dimethylphthalate	31.4	U	31.4	200	ug/Kg

Raw Data: **BF142757.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-56	SDG No.:	Q2176
Lab Sample ID:	Q2176-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.2
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142757.D	1	06/04/25 09:10	06/12/25 14:58	PB168234

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	33.5	U	33.5	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	38.9	U	38.9	200	ug/Kg
99-09-2	3-Nitroaniline	53.3	U	53.3	200	ug/Kg
83-32-9	Acenaphthene	24.7	U	24.7	200	ug/Kg
51-28-5	2,4-Dinitrophenol	270	U	270	380	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	380	ug/Kg
132-64-9	Dibenzofuran	26.3	U	26.3	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	58.0	U	58.0	200	ug/Kg
84-66-2	Diethylphthalate	32.8	U	32.8	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	30.9	U	30.9	200	ug/Kg
86-73-7	Fluorene	29.3	U	29.3	200	ug/Kg
100-01-6	4-Nitroaniline	74.3	U	74.3	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	38.1	U	38.1	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	32.2	U	32.2	200	ug/Kg
118-74-1	Hexachlorobenzene	29.3	U	29.3	200	ug/Kg
1912-24-9	Atrazine	39.4	U	39.4	200	ug/Kg
87-86-5	Pentachlorophenol	59.4	U	59.4	380	ug/Kg
85-01-8	Phenanthrene	24.2	U	24.2	200	ug/Kg
120-12-7	Anthracene	38.6	U	38.6	200	ug/Kg
86-74-8	Carbazole	36.1	U	36.1	200	ug/Kg
84-74-2	Di-n-butylphthalate	55.5	U	55.5	200	ug/Kg
206-44-0	Fluoranthene	96.4	J	34.7	200	ug/Kg
129-00-0	Pyrene	41.7	U	41.7	200	ug/Kg
85-68-7	Butylbenzylphthalate	82.7	U	82.7	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	42.5	UQ	42.5	380	ug/Kg
56-55-3	Benzo(a)anthracene	26.6	U	26.6	200	ug/Kg
218-01-9	Chrysene	23.0	U	23.0	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	68.5	U	68.5	200	ug/Kg
117-84-0	Di-n-octyl phthalate	100	U	100	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	22.0	U	22.0	200	ug/Kg

Raw Data: **BF142757.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-56	SDG No.:	Q2176
Lab Sample ID:	Q2176-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.2
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142757.D	1	06/04/25 09:10	06/12/25 14:58	PB168234

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	25.9	U	25.9	200	ug/Kg
50-32-8	Benzo(a)pyrene	34.2	U	34.2	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	33.7	U	33.7	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	31.7	U	31.7	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	29.8	U	29.8	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	29.6	U	29.6	200	ug/Kg
123-91-1	1,4-Dioxane	52.3	U	52.3	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	31.7	U	31.7	200	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	79.8		18 - 112	53%	SPK: 150
13127-88-3	Phenol-d6	79.4		15 - 107	53%	SPK: 150
4165-60-0	Nitrobenzene-d5	51.2		18 - 107	51%	SPK: 100
321-60-8	2-Fluorobiphenyl	56.7		20 - 109	57%	SPK: 100
118-79-6	2,4,6-Tribromophenol	69.5		10 - 116	46%	SPK: 150
1718-51-0	Terphenyl-d14	37.5		10 - 105	38%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	80800	6.892			
1146-65-2	Naphthalene-d8	295000	8.175			
15067-26-2	Acenaphthene-d10	141000	9.927			
1517-22-2	Phenanthrene-d10	199000	11.416			
1719-03-5	Chrysene-d12	163000	14.063			
1520-96-3	Perylene-d12	189000	15.557			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	240	AB		5.10	ug/Kg
000119-61-9	Benzophenone	300	J		10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	120	J		11.9	ug/Kg
015594-90-8	1-Heneicosanol	120	J		13.9	ug/Kg

Raw Data: **BF142757.D**

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

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-56	SDG No.:	Q2176
Lab Sample ID:	Q2176-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.2
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142757.D	1	06/04/25 09:10	06/12/25 14:58	PB168234

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

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

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

Raw Data: **BP024908.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-25	SDG No.:	Q2176
Lab Sample ID:	Q2176-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	85.7
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024908.D	1	06/04/25 09:10	06/11/25 12:18	PB168234

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	180	U	180	380	ug/Kg
108-95-2	Phenol	25.7	U	25.7	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	28.3	U	28.3	200	ug/Kg
95-57-8	2-Chlorophenol	28.4	U	28.4	200	ug/Kg
95-48-7	2-Methylphenol	34.8	U	34.8	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	43.7	U	43.7	200	ug/Kg
98-86-2	Acetophenone	34.4	U	34.4	200	ug/Kg
65794-96-9	3+4-Methylphenols	47.9	U	47.9	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	55.2	U	55.2	93.2	ug/Kg
67-72-1	Hexachloroethane	20.5	U	20.5	200	ug/Kg
98-95-3	Nitrobenzene	21.3	U	21.3	200	ug/Kg
78-59-1	Isophorone	38.2	U	38.2	200	ug/Kg
88-75-5	2-Nitrophenol	67.8	U	67.8	200	ug/Kg
105-67-9	2,4-Dimethylphenol	75.5	U	75.5	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	35.9	U	35.9	200	ug/Kg
120-83-2	2,4-Dichlorophenol	33.0	U	33.0	200	ug/Kg
91-20-3	Naphthalene	26.4	U	26.4	200	ug/Kg
106-47-8	4-Chloroaniline	41.2	U	41.2	200	ug/Kg
87-68-3	Hexachlorobutadiene	29.5	U	29.5	200	ug/Kg
105-60-2	Caprolactam	60.7	U	60.7	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	33.4	U	33.4	200	ug/Kg
91-57-6	2-Methylnaphthalene	29.8	U	29.8	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	140	U	140	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	23.1	U	23.1	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	33.9	U	33.9	200	ug/Kg
92-52-4	1,1-Biphenyl	25.4	U	25.4	200	ug/Kg
91-58-7	2-Chloronaphthalene	26.2	U	26.2	200	ug/Kg
88-74-4	2-Nitroaniline	56.0	U	56.0	200	ug/Kg
131-11-3	Dimethylphthalate	31.6	U	31.6	200	ug/Kg

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-25	SDG No.:	Q2176
Lab Sample ID:	Q2176-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	85.7
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024908.D	1	06/04/25 09:10	06/11/25 12:18	PB168234

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	33.7	U	33.7	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	39.1	U	39.1	200	ug/Kg
99-09-2	3-Nitroaniline	53.6	U	53.6	200	ug/Kg
83-32-9	Acenaphthene	24.8	U	24.8	200	ug/Kg
51-28-5	2,4-Dinitrophenol	270	U	270	380	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	380	ug/Kg
132-64-9	Dibenzofuran	26.4	U	26.4	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	58.4	U	58.4	200	ug/Kg
84-66-2	Diethylphthalate	33.0	U	33.0	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	31.1	U	31.1	200	ug/Kg
86-73-7	Fluorene	29.5	U	29.5	200	ug/Kg
100-01-6	4-Nitroaniline	74.8	U	74.8	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	38.3	U	38.3	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	32.4	U	32.4	200	ug/Kg
118-74-1	Hexachlorobenzene	29.5	U	29.5	200	ug/Kg
1912-24-9	Atrazine	39.6	U	39.6	200	ug/Kg
87-86-5	Pentachlorophenol	59.8	U	59.8	380	ug/Kg
85-01-8	Phenanthrene	24.3	U	24.3	200	ug/Kg
120-12-7	Anthracene	38.8	U	38.8	200	ug/Kg
86-74-8	Carbazole	36.3	U	36.3	200	ug/Kg
84-74-2	Di-n-butylphthalate	55.8	U	55.8	200	ug/Kg
206-44-0	Fluoranthene	34.9	U	34.9	200	ug/Kg
129-00-0	Pyrene	41.9	U	41.9	200	ug/Kg
85-68-7	Butylbenzylphthalate	83.2	U	83.2	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	42.8	UQ	42.8	380	ug/Kg
56-55-3	Benzo(a)anthracene	26.8	U	26.8	200	ug/Kg
218-01-9	Chrysene	23.2	U	23.2	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	69.0	U	69.0	200	ug/Kg
117-84-0	Di-n-octyl phthalate	100	U	100	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	22.1	U	22.1	200	ug/Kg

Raw Data: **BP024908.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-25	SDG No.:	Q2176
Lab Sample ID:	Q2176-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	85.7
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024908.D	1	06/04/25 09:10	06/11/25 12:18	PB168234

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	26.1	U	26.1	200	ug/Kg
50-32-8	Benzo(a)pyrene	34.4	U	34.4	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	33.9	U	33.9	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	31.9	U	31.9	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	29.9	U	29.9	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	29.8	U	29.8	200	ug/Kg
123-91-1	1,4-Dioxane	52.7	U	52.7	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	31.9	U	31.9	200	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	93.4		18 - 112	62%	SPK: 150
13127-88-3	Phenol-d6	90.1		15 - 107	60%	SPK: 150
4165-60-0	Nitrobenzene-d5	54.7		18 - 107	55%	SPK: 100
321-60-8	2-Fluorobiphenyl	54.0		20 - 109	54%	SPK: 100
118-79-6	2,4,6-Tribromophenol	97.0		10 - 116	65%	SPK: 150
1718-51-0	Terphenyl-d14	48.5		10 - 105	49%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	206000	7.613			
1146-65-2	Naphthalene-d8	781000	10.384			
15067-26-2	Acenaphthene-d10	477000	14.254			
1517-22-2	Phenanthrene-d10	972000	17.066			
1719-03-5	Chrysene-d12	1290000	21.501			
1520-96-3	Perylene-d12	1720000	24.771			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	230	AB		4.77	ug/Kg
000119-61-9	Benzophenone	380	J		15.6	ug/Kg
000295-17-0	Cyclotetradecane	190	J		17.5	ug/Kg
000057-10-3	n-Hexadecanoic acid	570	J		18.0	ug/Kg
000629-94-7	Heneicosane	92.8	J		18.5	ug/Kg
000112-88-9	1-Octadecene	150	J		18.9	ug/Kg
000057-11-4	Octadecanoic acid	170	J		19.3	ug/Kg

Raw Data: **BP024908.D**

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

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-25	SDG No.:	Q2176
Lab Sample ID:	Q2176-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	85.7
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024908.D	1	06/04/25 09:10	06/11/25 12:18	PB168234

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
018435-45-5	1-Nonadecene	170	J		21.2	ug/Kg
000111-02-4	Squalene	170	J		23.2	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

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Fax : 908 789 8922

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-26	SDG No.:	Q2176
Lab Sample ID:	Q2176-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	85.2
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024901.D	2	06/04/25 09:10	06/10/25 19:51	PB168234

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	370	U	370	770	ug/Kg
108-95-2	Phenol	51.9	U	51.9	400	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	57.0	U	57.0	400	ug/Kg
95-57-8	2-Chlorophenol	57.3	U	57.3	400	ug/Kg
95-48-7	2-Methylphenol	70.2	U	70.2	400	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	88.0	U	88.0	400	ug/Kg
98-86-2	Acetophenone	69.2	U	69.2	400	ug/Kg
65794-96-9	3+4-Methylphenols	96.4	U	96.4	770	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	110	U	110	190	ug/Kg
67-72-1	Hexachloroethane	41.3	U	41.3	400	ug/Kg
98-95-3	Nitrobenzene	42.9	U	42.9	400	ug/Kg
78-59-1	Isophorone	77.0	U	77.0	400	ug/Kg
88-75-5	2-Nitrophenol	140	U	140	400	ug/Kg
105-67-9	2,4-Dimethylphenol	150	U	150	400	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	72.3	U	72.3	400	ug/Kg
120-83-2	2,4-Dichlorophenol	66.4	U	66.4	400	ug/Kg
91-20-3	Naphthalene	53.3	U	53.3	400	ug/Kg
106-47-8	4-Chloroaniline	83.1	U	83.1	400	ug/Kg
87-68-3	Hexachlorobutadiene	59.4	U	59.4	400	ug/Kg
105-60-2	Caprolactam	120	U	120	770	ug/Kg
59-50-7	4-Chloro-3-methylphenol	67.3	U	67.3	400	ug/Kg
91-57-6	2-Methylnaphthalene	60.1	U	60.1	400	ug/Kg
77-47-4	Hexachlorocyclopentadiene	270	U	270	770	ug/Kg
88-06-2	2,4,6-Trichlorophenol	46.5	U	46.5	400	ug/Kg
95-95-4	2,4,5-Trichlorophenol	68.3	U	68.3	400	ug/Kg
92-52-4	1,1-Biphenyl	51.2	U	51.2	400	ug/Kg
91-58-7	2-Chloronaphthalene	52.8	U	52.8	400	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	400	ug/Kg
131-11-3	Dimethylphthalate	63.6	U	63.6	400	ug/Kg

Raw Data: **BP024901.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-26	SDG No.:	Q2176
Lab Sample ID:	Q2176-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	85.2
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024901.D	2	06/04/25 09:10	06/10/25 19:51	PB168234

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	67.8	U	67.8	400	ug/Kg
606-20-2	2,6-Dinitrotoluene	78.8	U	78.8	400	ug/Kg
99-09-2	3-Nitroaniline	110	U	110	400	ug/Kg
83-32-9	Acenaphthene	50.0	U	50.0	400	ug/Kg
51-28-5	2,4-Dinitrophenol	540	U	540	770	ug/Kg
100-02-7	4-Nitrophenol	250	U	250	770	ug/Kg
132-64-9	Dibenzofuran	53.3	U	53.3	400	ug/Kg
121-14-2	2,4-Dinitrotoluene	120	U	120	400	ug/Kg
84-66-2	Diethylphthalate	66.4	U	66.4	400	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	62.7	U	62.7	400	ug/Kg
86-73-7	Fluorene	59.4	U	59.4	400	ug/Kg
100-01-6	4-Nitroaniline	150	U	150	400	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	240	U	240	770	ug/Kg
86-30-6	n-Nitrosodiphenylamine	77.2	U	77.2	400	ug/Kg
101-55-3	4-Bromophenyl-phenylether	65.2	U	65.2	400	ug/Kg
118-74-1	Hexachlorobenzene	59.4	U	59.4	400	ug/Kg
1912-24-9	Atrazine	79.8	U	79.8	400	ug/Kg
87-86-5	Pentachlorophenol	120	U	120	770	ug/Kg
85-01-8	Phenanthrene	800		49.0	400	ug/Kg
120-12-7	Anthracene	200	J	78.1	400	ug/Kg
86-74-8	Carbazole	73.2	U	73.2	400	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	400	ug/Kg
206-44-0	Fluoranthene	1500		70.4	400	ug/Kg
129-00-0	Pyrene	1300		84.5	400	ug/Kg
85-68-7	Butylbenzylphthalate	170	U	170	400	ug/Kg
91-94-1	3,3-Dichlorobenzidine	86.1	UQ	86.1	770	ug/Kg
56-55-3	Benzo(a)anthracene	570		54.0	400	ug/Kg
218-01-9	Chrysene	630		46.7	400	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	140	U	140	400	ug/Kg
117-84-0	Di-n-octyl phthalate	200	U	200	770	ug/Kg
205-99-2	Benzo(b)fluoranthene	670		44.6	400	ug/Kg

Raw Data: **BP024901.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-26	SDG No.:	Q2176
Lab Sample ID:	Q2176-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	85.2
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024901.D	2	06/04/25 09:10	06/10/25 19:51	PB168234

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	280	J	52.6	400	ug/Kg
50-32-8	Benzo(a)pyrene	480		69.2	400	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	260	J	68.3	400	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	64.3	U	64.3	400	ug/Kg
191-24-2	Benzo(g,h,i)perylene	320	J	60.3	400	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	60.1	U	60.1	400	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	400	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	64.3	U	64.3	400	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	99.4		18 - 112	66%	SPK: 150
13127-88-3	Phenol-d6	97.9		15 - 107	65%	SPK: 150
4165-60-0	Nitrobenzene-d5	58.3		18 - 107	58%	SPK: 100
321-60-8	2-Fluorobiphenyl	63.1		20 - 109	63%	SPK: 100
118-79-6	2,4,6-Tribromophenol	97.0		10 - 116	65%	SPK: 150
1718-51-0	Terphenyl-d14	66.0		10 - 105	66%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	331000	7.608			
1146-65-2	Naphthalene-d8	1350000	10.378			
15067-26-2	Acenaphthene-d10	852000	14.254			
1517-22-2	Phenanthrene-d10	1570000	17.06			
1719-03-5	Chrysene-d12	1530000	21.501			
1520-96-3	Perylene-d12	1800000	24.766			
TENTATIVE IDENTIFIED COMPOUNDS						
000057-55-6	Propylene Glycol	5100	J		3.43	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	240	AB		4.77	ug/Kg
000119-61-9	Benzophenone	470	J		15.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	390	J		18.0	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	280	J		18.2	ug/Kg

Raw Data: **BP024901.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-26	SDG No.:	Q2176
Lab Sample ID:	Q2176-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	85.2
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024901.D	2	06/04/25 09:10	06/10/25 19:51	PB168234

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

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

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

Raw Data: **BP024909.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-28	SDG No.:	Q2176
Lab Sample ID:	Q2176-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	90.5
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024909.D	1	06/04/25 09:10	06/11/25 12:59	PB168234

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	170	U	170	360	ug/Kg
108-95-2	Phenol	24.4	U	24.4	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	26.8	U	26.8	190	ug/Kg
95-57-8	2-Chlorophenol	26.9	U	26.9	190	ug/Kg
95-48-7	2-Methylphenol	33.0	U	33.0	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	41.4	U	41.4	190	ug/Kg
98-86-2	Acetophenone	32.5	U	32.5	190	ug/Kg
65794-96-9	3+4-Methylphenols	45.3	U	45.3	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	52.3	U	52.3	88.3	ug/Kg
67-72-1	Hexachloroethane	19.4	U	19.4	190	ug/Kg
98-95-3	Nitrobenzene	20.2	U	20.2	190	ug/Kg
78-59-1	Isophorone	36.2	U	36.2	190	ug/Kg
88-75-5	2-Nitrophenol	64.2	U	64.2	190	ug/Kg
105-67-9	2,4-Dimethylphenol	71.5	U	71.5	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	34.0	U	34.0	190	ug/Kg
120-83-2	2,4-Dichlorophenol	31.2	U	31.2	190	ug/Kg
91-20-3	Naphthalene	25.0	U	25.0	190	ug/Kg
106-47-8	4-Chloroaniline	39.1	U	39.1	190	ug/Kg
87-68-3	Hexachlorobutadiene	27.9	U	27.9	190	ug/Kg
105-60-2	Caprolactam	57.5	U	57.5	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	31.7	U	31.7	190	ug/Kg
91-57-6	2-Methylnaphthalene	28.2	U	28.2	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	130	U	130	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	21.8	U	21.8	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	32.1	U	32.1	190	ug/Kg
92-52-4	1,1-Biphenyl	24.0	U	24.0	190	ug/Kg
91-58-7	2-Chloronaphthalene	24.8	U	24.8	190	ug/Kg
88-74-4	2-Nitroaniline	53.1	U	53.1	190	ug/Kg
131-11-3	Dimethylphthalate	29.9	U	29.9	190	ug/Kg

Raw Data: **BP024909.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-28	SDG No.:	Q2176
Lab Sample ID:	Q2176-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	90.5
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024909.D	1	06/04/25 09:10	06/11/25 12:59	PB168234

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	31.9	U	31.9	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	37.1	U	37.1	190	ug/Kg
99-09-2	3-Nitroaniline	50.7	U	50.7	190	ug/Kg
83-32-9	Acenaphthene	23.5	U	23.5	190	ug/Kg
51-28-5	2,4-Dinitrophenol	250	U	250	360	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	360	ug/Kg
132-64-9	Dibenzofuran	25.0	U	25.0	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	55.3	U	55.3	190	ug/Kg
84-66-2	Diethylphthalate	31.2	U	31.2	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	29.5	U	29.5	190	ug/Kg
86-73-7	Fluorene	27.9	U	27.9	190	ug/Kg
100-01-6	4-Nitroaniline	70.8	U	70.8	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	110	U	110	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	36.3	U	36.3	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	30.7	U	30.7	190	ug/Kg
118-74-1	Hexachlorobenzene	27.9	U	27.9	190	ug/Kg
1912-24-9	Atrazine	37.5	U	37.5	190	ug/Kg
87-86-5	Pentachlorophenol	56.6	U	56.6	360	ug/Kg
85-01-8	Phenanthrene	23.1	U	23.1	190	ug/Kg
120-12-7	Anthracene	36.7	U	36.7	190	ug/Kg
86-74-8	Carbazole	34.4	U	34.4	190	ug/Kg
84-74-2	Di-n-butylphthalate	52.8	U	52.8	190	ug/Kg
206-44-0	Fluoranthene	120	J	33.1	190	ug/Kg
129-00-0	Pyrene	87.4	J	39.7	190	ug/Kg
85-68-7	Butylbenzylphthalate	78.8	U	78.8	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	40.5	UQ	40.5	360	ug/Kg
56-55-3	Benzo(a)anthracene	25.4	U	25.4	190	ug/Kg
218-01-9	Chrysene	22.0	U	22.0	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	65.3	U	65.3	190	ug/Kg
117-84-0	Di-n-octyl phthalate	95.8	U	95.8	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	21.0	U	21.0	190	ug/Kg

Raw Data: **BP024909.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-28	SDG No.:	Q2176
Lab Sample ID:	Q2176-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	90.5
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024909.D	1	06/04/25 09:10	06/11/25 12:59	PB168234

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	24.7	U	24.7	190	ug/Kg
50-32-8	Benzo(a)pyrene	32.5	U	32.5	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	32.1	U	32.1	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	30.2	U	30.2	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	28.4	U	28.4	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	28.2	U	28.2	190	ug/Kg
123-91-1	1,4-Dioxane	49.9	U	49.9	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	30.2	U	30.2	190	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	94.5		18 - 112	63%	SPK: 150
13127-88-3	Phenol-d6	93.3		15 - 107	62%	SPK: 150
4165-60-0	Nitrobenzene-d5	54.8		18 - 107	55%	SPK: 100
321-60-8	2-Fluorobiphenyl	55.6		20 - 109	56%	SPK: 100
118-79-6	2,4,6-Tribromophenol	109		10 - 116	73%	SPK: 150
1718-51-0	Terphenyl-d14	55.7		10 - 105	56%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	233000	7.613			
1146-65-2	Naphthalene-d8	929000	10.384			
15067-26-2	Acenaphthene-d10	605000	14.254			
1517-22-2	Phenanthrene-d10	1280000	17.054			
1719-03-5	Chrysene-d12	1660000	21.483			
1520-96-3	Perylene-d12	1990000	24.748			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	220	AB		4.77	ug/Kg
000119-61-9	Benzophenone	450	J		15.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	370	J		18.0	ug/Kg
000057-11-4	Octadecanoic acid	96.0	J		19.3	ug/Kg
074685-33-9	3-Eicosene, (E)-	190	J		21.2	ug/Kg

Raw Data: **BP024909.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-28	SDG No.:	Q2176
Lab Sample ID:	Q2176-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	90.5
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024909.D	1	06/04/25 09:10	06/11/25 12:59	PB168234

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

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

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

Raw Data: **BP024897.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-27	SDG No.:	Q2176
Lab Sample ID:	Q2176-06	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.1
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024897.D	1	06/04/25 09:10	06/10/25 17:08	PB168234

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	190	U	190	400	ug/Kg
108-95-2	Phenol	26.5	U	26.5	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	29.2	U	29.2	200	ug/Kg
95-57-8	2-Chlorophenol	29.3	U	29.3	200	ug/Kg
95-48-7	2-Methylphenol	35.9	U	35.9	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	45.0	U	45.0	200	ug/Kg
98-86-2	Acetophenone	35.4	U	35.4	200	ug/Kg
65794-96-9	3+4-Methylphenols	49.3	U	49.3	400	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	56.9	U	56.9	96.0	ug/Kg
67-72-1	Hexachloroethane	21.1	U	21.1	200	ug/Kg
98-95-3	Nitrobenzene	22.0	U	22.0	200	ug/Kg
78-59-1	Isophorone	39.4	U	39.4	200	ug/Kg
88-75-5	2-Nitrophenol	69.9	U	69.9	200	ug/Kg
105-67-9	2,4-Dimethylphenol	77.8	U	77.8	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	37.0	U	37.0	200	ug/Kg
120-83-2	2,4-Dichlorophenol	34.0	U	34.0	200	ug/Kg
91-20-3	Naphthalene	27.3	U	27.3	200	ug/Kg
106-47-8	4-Chloroaniline	42.5	U	42.5	200	ug/Kg
87-68-3	Hexachlorobutadiene	30.4	U	30.4	200	ug/Kg
105-60-2	Caprolactam	62.5	U	62.5	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	34.5	U	34.5	200	ug/Kg
91-57-6	2-Methylnaphthalene	30.7	U	30.7	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	140	U	140	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	23.8	U	23.8	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	34.9	U	34.9	200	ug/Kg
92-52-4	1,1-Biphenyl	26.2	U	26.2	200	ug/Kg
91-58-7	2-Chloronaphthalene	27.0	U	27.0	200	ug/Kg
88-74-4	2-Nitroaniline	57.7	U	57.7	200	ug/Kg
131-11-3	Dimethylphthalate	32.5	U	32.5	200	ug/Kg

Raw Data: **BP024897.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-27	SDG No.:	Q2176
Lab Sample ID:	Q2176-06	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.1
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024897.D	1	06/04/25 09:10	06/10/25 17:08	PB168234

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	34.7	U	34.7	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	40.3	U	40.3	200	ug/Kg
99-09-2	3-Nitroaniline	55.2	U	55.2	200	ug/Kg
83-32-9	Acenaphthene	25.6	U	25.6	200	ug/Kg
51-28-5	2,4-Dinitrophenol	270	U	270	400	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	400	ug/Kg
132-64-9	Dibenzofuran	27.3	U	27.3	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	60.1	U	60.1	200	ug/Kg
84-66-2	Diethylphthalate	34.0	U	34.0	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	32.1	U	32.1	200	ug/Kg
86-73-7	Fluorene	30.4	U	30.4	200	ug/Kg
100-01-6	4-Nitroaniline	77.1	U	77.1	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	400	ug/Kg
86-30-6	n-Nitrosodiphenylamine	39.5	U	39.5	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	33.4	U	33.4	200	ug/Kg
118-74-1	Hexachlorobenzene	30.4	U	30.4	200	ug/Kg
1912-24-9	Atrazine	40.8	U	40.8	200	ug/Kg
87-86-5	Pentachlorophenol	61.6	U	61.6	400	ug/Kg
85-01-8	Phenanthrene	25.1	U	25.1	200	ug/Kg
120-12-7	Anthracene	40.0	U	40.0	200	ug/Kg
86-74-8	Carbazole	37.5	U	37.5	200	ug/Kg
84-74-2	Di-n-butylphthalate	57.5	U	57.5	200	ug/Kg
206-44-0	Fluoranthene	36.0	U	36.0	200	ug/Kg
129-00-0	Pyrene	43.2	U	43.2	200	ug/Kg
85-68-7	Butylbenzylphthalate	85.7	U	85.7	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	44.1	UQ	44.1	400	ug/Kg
56-55-3	Benzo(a)anthracene	27.6	U	27.6	200	ug/Kg
218-01-9	Chrysene	23.9	U	23.9	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	71.1	U	71.1	200	ug/Kg
117-84-0	Di-n-octyl phthalate	100	U	100	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	110	J	22.8	200	ug/Kg

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-27	SDG No.:	Q2176
Lab Sample ID:	Q2176-06	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.1
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024897.D	1	06/04/25 09:10	06/10/25 17:08	PB168234

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	26.9	U	26.9	200	ug/Kg
50-32-8	Benzo(a)pyrene	98.6	J	35.4	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	34.9	U	34.9	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	32.9	U	32.9	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	110	J	30.9	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	30.7	U	30.7	200	ug/Kg
123-91-1	1,4-Dioxane	54.3	U	54.3	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	32.9	U	32.9	200	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	122		18 - 112	82%	SPK: 150
13127-88-3	Phenol-d6	120		15 - 107	80%	SPK: 150
4165-60-0	Nitrobenzene-d5	68.1		18 - 107	68%	SPK: 100
321-60-8	2-Fluorobiphenyl	71.5		20 - 109	72%	SPK: 100
118-79-6	2,4,6-Tribromophenol	125		10 - 116	83%	SPK: 150
1718-51-0	Terphenyl-d14	73.2		10 - 105	73%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	231000	7.608			
1146-65-2	Naphthalene-d8	960000	10.378			
15067-26-2	Acenaphthene-d10	612000	14.254			
1517-22-2	Phenanthrene-d10	1160000	17.06			
1719-03-5	Chrysene-d12	1200000	21.489			
1520-96-3	Perylene-d12	1460000	24.736			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	300	AB		4.77	ug/Kg
000119-61-9	Benzophenone	530	J		15.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	270	J		18.0	ug/Kg
000057-11-4	Octadecanoic acid	160	J		19.3	ug/Kg
	unknown20.201	99.2	J		20.2	ug/Kg
1000351-84-1	Tetratriacontyl heptafluorobutyrat	82.4	J		20.6	ug/Kg
1000309-38-1	Oxalic acid, isobutyl hexadecyl es	120	J		21.2	ug/Kg

Raw Data: **BP024897.D**

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-27	SDG No.:	Q2176
Lab Sample ID:	Q2176-06	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.1
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024897.D	1	06/04/25 09:10	06/10/25 17:08	PB168234

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

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

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

Raw Data: **BF142650.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-31	SDG No.:	Q2176
Lab Sample ID:	Q2176-07	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.8
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142650.D	1	06/04/25 09:10	06/06/25 17:01	PB168234

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	180	U	180	380	ug/Kg
108-95-2	Phenol	25.4	U	25.4	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	28.0	U	28.0	200	ug/Kg
95-57-8	2-Chlorophenol	28.1	U	28.1	200	ug/Kg
95-48-7	2-Methylphenol	34.4	U	34.4	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	43.1	U	43.1	200	ug/Kg
98-86-2	Acetophenone	33.9	U	33.9	200	ug/Kg
65794-96-9	3+4-Methylphenols	47.3	U	47.3	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	54.5	U	54.5	92.0	ug/Kg
67-72-1	Hexachloroethane	20.2	U	20.2	200	ug/Kg
98-95-3	Nitrobenzene	21.1	U	21.1	200	ug/Kg
78-59-1	Isophorone	37.7	U	37.7	200	ug/Kg
88-75-5	2-Nitrophenol	67.0	U	67.0	200	ug/Kg
105-67-9	2,4-Dimethylphenol	74.6	U	74.6	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	35.4	U	35.4	200	ug/Kg
120-83-2	2,4-Dichlorophenol	32.6	U	32.6	200	ug/Kg
91-20-3	Naphthalene	26.1	U	26.1	200	ug/Kg
106-47-8	4-Chloroaniline	40.7	U	40.7	200	ug/Kg
87-68-3	Hexachlorobutadiene	29.1	U	29.1	200	ug/Kg
105-60-2	Caprolactam	59.9	U	59.9	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	33.0	U	33.0	200	ug/Kg
91-57-6	2-Methylnaphthalene	29.5	U	29.5	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	130	U	130	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	22.8	U	22.8	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	33.5	U	33.5	200	ug/Kg
92-52-4	1,1-Biphenyl	25.1	U	25.1	200	ug/Kg
91-58-7	2-Chloronaphthalene	25.9	U	25.9	200	ug/Kg
88-74-4	2-Nitroaniline	55.3	U	55.3	200	ug/Kg
131-11-3	Dimethylphthalate	31.2	U	31.2	200	ug/Kg

Raw Data: **BF142650.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-31	SDG No.:	Q2176
Lab Sample ID:	Q2176-07	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.8
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142650.D	1	06/04/25 09:10	06/06/25 17:01	PB168234

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	33.3	U	33.3	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	38.7	U	38.7	200	ug/Kg
99-09-2	3-Nitroaniline	52.9	U	52.9	200	ug/Kg
83-32-9	Acenaphthene	24.5	U	24.5	200	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	380	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	380	ug/Kg
132-64-9	Dibenzofuran	26.1	U	26.1	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	57.6	U	57.6	200	ug/Kg
84-66-2	Diethylphthalate	32.6	U	32.6	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	30.7	U	30.7	200	ug/Kg
86-73-7	Fluorene	29.1	U	29.1	200	ug/Kg
100-01-6	4-Nitroaniline	73.9	U	73.9	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	37.9	U	37.9	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	32.0	U	32.0	200	ug/Kg
118-74-1	Hexachlorobenzene	29.1	U	29.1	200	ug/Kg
1912-24-9	Atrazine	39.1	U	39.1	200	ug/Kg
87-86-5	Pentachlorophenol	59.0	U	59.0	380	ug/Kg
85-01-8	Phenanthrene	99.5	J	24.0	200	ug/Kg
120-12-7	Anthracene	38.3	U	38.3	200	ug/Kg
86-74-8	Carbazole	35.9	U	35.9	200	ug/Kg
84-74-2	Di-n-butylphthalate	55.1	U	55.1	200	ug/Kg
206-44-0	Fluoranthene	97.4	J	34.5	200	ug/Kg
129-00-0	Pyrene	41.4	U	41.4	200	ug/Kg
85-68-7	Butylbenzylphthalate	82.1	U	82.1	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	42.2	UQ	42.2	380	ug/Kg
56-55-3	Benzo(a)anthracene	26.5	U	26.5	200	ug/Kg
218-01-9	Chrysene	22.9	U	22.9	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	68.1	U	68.1	200	ug/Kg
117-84-0	Di-n-octyl phthalate	99.9	U	99.9	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	21.9	U	21.9	200	ug/Kg

Raw Data: **BF142650.D**

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-31	SDG No.:	Q2176
Lab Sample ID:	Q2176-07	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.8
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142650.D	1	06/04/25 09:10	06/06/25 17:01	PB168234

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	25.8	U	25.8	200	ug/Kg
50-32-8	Benzo(a)pyrene	33.9	U	33.9	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	33.5	U	33.5	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	31.5	U	31.5	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	29.6	U	29.6	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	29.5	U	29.5	200	ug/Kg
123-91-1	1,4-Dioxane	52.0	U	52.0	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	31.5	U	31.5	200	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	91.0		18 - 112	61%	SPK: 150
13127-88-3	Phenol-d6	93.1		15 - 107	62%	SPK: 150
4165-60-0	Nitrobenzene-d5	56.8		18 - 107	57%	SPK: 100
321-60-8	2-Fluorobiphenyl	53.6		20 - 109	54%	SPK: 100
118-79-6	2,4,6-Tribromophenol	91.7		10 - 116	61%	SPK: 150
1718-51-0	Terphenyl-d14	49.2		10 - 105	49%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	129000	6.892			
1146-65-2	Naphthalene-d8	489000	8.175			
15067-26-2	Acenaphthene-d10	264000	9.933			
1517-22-2	Phenanthrene-d10	414000	11.422			
1719-03-5	Chrysene-d12	237000	14.063			
1520-96-3	Perylene-d12	279000	15.563			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	300	AB		5.11	ug/Kg
000119-61-9	Benzophenone	490	J		10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	200	J		11.9	ug/Kg
053800-02-5	Trifluoroacetic acid,n-tridecyl es	100	J		12.5	ug/Kg
000886-66-8	Benzene, 1,1-(1,3-butadiyne-1,4-diyl)	120	J		12.9	ug/Kg
959010-23-2	Trifluoroacetic acid, pentadecyl e	110	J		13.2	ug/Kg
959085-66-6	Heptadecyl heptafluorobutyrate	210	J		13.9	ug/Kg

Raw Data: **BF142650.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-31	SDG No.:	Q2176
Lab Sample ID:	Q2176-07	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.8
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142650.D	1	06/04/25 09:10	06/06/25 17:01	PB168234

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000112-88-9	1-Octadecene	95.5	J		14.5	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: **BP024894.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/30/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-65	SDG No.:	Q2176
Lab Sample ID:	Q2176-08	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.3
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024894.D	1	06/04/25 09:10	06/10/25 15:05	PB168234

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	180	U	180	380	ug/Kg
108-95-2	Phenol	25.3	U	25.3	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	27.8	U	27.8	190	ug/Kg
95-57-8	2-Chlorophenol	27.9	U	27.9	190	ug/Kg
95-48-7	2-Methylphenol	34.2	U	34.2	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	42.9	U	42.9	190	ug/Kg
98-86-2	Acetophenone	33.7	U	33.7	190	ug/Kg
65794-96-9	3+4-Methylphenols	47.0	U	47.0	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	54.2	U	54.2	91.5	ug/Kg
67-72-1	Hexachloroethane	20.1	U	20.1	190	ug/Kg
98-95-3	Nitrobenzene	20.9	U	20.9	190	ug/Kg
78-59-1	Isophorone	37.5	U	37.5	190	ug/Kg
88-75-5	2-Nitrophenol	66.6	U	66.6	190	ug/Kg
105-67-9	2,4-Dimethylphenol	74.1	U	74.1	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	35.2	U	35.2	190	ug/Kg
120-83-2	2,4-Dichlorophenol	32.4	U	32.4	190	ug/Kg
91-20-3	Naphthalene	26.0	U	26.0	190	ug/Kg
106-47-8	4-Chloroaniline	40.5	U	40.5	190	ug/Kg
87-68-3	Hexachlorobutadiene	28.9	U	28.9	190	ug/Kg
105-60-2	Caprolactam	59.6	U	59.6	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	32.8	U	32.8	190	ug/Kg
91-57-6	2-Methylnaphthalene	29.3	U	29.3	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	130	U	130	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	22.6	U	22.6	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	33.3	U	33.3	190	ug/Kg
92-52-4	1,1-Biphenyl	24.9	U	24.9	190	ug/Kg
91-58-7	2-Chloronaphthalene	25.7	U	25.7	190	ug/Kg
88-74-4	2-Nitroaniline	55.0	U	55.0	190	ug/Kg
131-11-3	Dimethylphthalate	31.0	U	31.0	190	ug/Kg

Raw Data: **BP024894.D**

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/30/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-65	SDG No.:	Q2176
Lab Sample ID:	Q2176-08	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.3
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024894.D	1	06/04/25 09:10	06/10/25 15:05	PB168234

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	33.0	U	33.0	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	38.4	U	38.4	190	ug/Kg
99-09-2	3-Nitroaniline	52.6	U	52.6	190	ug/Kg
83-32-9	Acenaphthene	24.4	U	24.4	190	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	380	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	380	ug/Kg
132-64-9	Dibenzofuran	26.0	U	26.0	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	57.3	U	57.3	190	ug/Kg
84-66-2	Diethylphthalate	32.4	U	32.4	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	30.5	U	30.5	190	ug/Kg
86-73-7	Fluorene	28.9	U	28.9	190	ug/Kg
100-01-6	4-Nitroaniline	73.4	U	73.4	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	37.6	U	37.6	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	31.8	U	31.8	190	ug/Kg
118-74-1	Hexachlorobenzene	28.9	U	28.9	190	ug/Kg
1912-24-9	Atrazine	38.9	U	38.9	190	ug/Kg
87-86-5	Pentachlorophenol	58.7	U	58.7	380	ug/Kg
85-01-8	Phenanthrene	23.9	U	23.9	190	ug/Kg
120-12-7	Anthracene	38.1	U	38.1	190	ug/Kg
86-74-8	Carbazole	35.7	U	35.7	190	ug/Kg
84-74-2	Di-n-butylphthalate	54.8	U	54.8	190	ug/Kg
206-44-0	Fluoranthene	34.3	U	34.3	190	ug/Kg
129-00-0	Pyrene	41.2	U	41.2	190	ug/Kg
85-68-7	Butylbenzylphthalate	81.7	U	81.7	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	42.0	UQ	42.0	380	ug/Kg
56-55-3	Benzo(a)anthracene	26.3	U	26.3	190	ug/Kg
218-01-9	Chrysene	22.8	U	22.8	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	67.7	U	67.7	190	ug/Kg
117-84-0	Di-n-octyl phthalate	99.3	U	99.3	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	21.7	U	21.7	190	ug/Kg

Raw Data: **BP024894.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	CDM Smith	Date Collected:	05/30/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-65	SDG No.:	Q2176
Lab Sample ID:	Q2176-08	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.3
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024894.D	1	06/04/25 09:10	06/10/25 15:05	PB168234

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	25.6	U	25.6	190	ug/Kg
50-32-8	Benzo(a)pyrene	33.7	U	33.7	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	33.3	U	33.3	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	31.3	U	31.3	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	29.4	U	29.4	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	29.3	U	29.3	190	ug/Kg
123-91-1	1,4-Dioxane	51.7	U	51.7	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	31.3	U	31.3	190	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	113		18 - 112	75%	SPK: 150
13127-88-3	Phenol-d6	112		15 - 107	75%	SPK: 150
4165-60-0	Nitrobenzene-d5	62.9		18 - 107	63%	SPK: 100
321-60-8	2-Fluorobiphenyl	57.7		20 - 109	58%	SPK: 100
118-79-6	2,4,6-Tribromophenol	119		10 - 116	79%	SPK: 150
1718-51-0	Terphenyl-d14	58.4		10 - 105	58%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	258000	7.608			
1146-65-2	Naphthalene-d8	1090000	10.378			
15067-26-2	Acenaphthene-d10	691000	14.248			
1517-22-2	Phenanthrene-d10	1370000	17.048			
1719-03-5	Chrysene-d12	1380000	21.483			
1520-96-3	Perylene-d12	1590000	24.736			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	270	AB		4.77	ug/Kg
000119-61-9	Benzophenone	380	J		15.6	ug/Kg
082304-66-3	7,9-Di-tert-butyl-1-oxaspiro(4,5)d	76.6	J		17.7	ug/Kg
000057-10-3	n-Hexadecanoic acid	270	J		18.0	ug/Kg
010192-32-2	1-Tetracosene	120	J		21.2	ug/Kg

Raw Data: **BP024894.D**

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/30/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-65	SDG No.:	Q2176
Lab Sample ID:	Q2176-08	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.3
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024894.D	1	06/04/25 09:10	06/10/25 15:05	PB168234

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

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

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

QC SUMMARY

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

Surrogate Summary

SW-846

SDG No.: Q2176

Client: CDM Smith

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	High
PB168234BL	PB168234BL	2-Fluorophenol	150	120	80		18	112
		Phenol-d6	150	119	80		15	107
		Nitrobenzene-d5	100	75.3	75		18	107
		2-Fluorobiphenyl	100	71.9	72		20	109
		2,4,6-Tribromophenol	150	117	78		10	116
		Terphenyl-d14	100	72.1	72		10	105
PB168234BS	PB168234BS	2-Fluorophenol	150	120	80		18	112
		Phenol-d6	150	120	80		15	107
		Nitrobenzene-d5	100	76.0	76		18	107
		2-Fluorobiphenyl	100	74.1	74		20	109
		2,4,6-Tribromophenol	150	123	82		10	116
		Terphenyl-d14	100	80.6	81		10	105
Q2159-01MS	TP05-MHO-WCMS	2-Fluorophenol	150	74.7	50		18	112
		Phenol-d6	150	76.0	51		15	107
		Nitrobenzene-d5	100	47.4	47		18	107
		2-Fluorobiphenyl	100	45.5	46		20	109
		2,4,6-Tribromophenol	150	69.8	47		10	116
		Terphenyl-d14	100	35.2	35		10	105
Q2159-01MSD	TP05-MHO-WCMSD	2-Fluorophenol	150	72.4	48		18	112
		Phenol-d6	150	72.8	49		15	107
		Nitrobenzene-d5	100	45.8	46		18	107
		2-Fluorobiphenyl	100	45.1	45		20	109
		2,4,6-Tribromophenol	150	65.3	44		10	116
		Terphenyl-d14	100	32.4	32		10	105
Q2176-01	TP-46	2-Fluorophenol	150	84.2	56		18	112
		Phenol-d6	150	85.5	57		15	107
		Nitrobenzene-d5	100	53.0	53		18	107
		2-Fluorobiphenyl	100	55.7	56		20	109
		2,4,6-Tribromophenol	150	79.6	53		10	116
		Terphenyl-d14	100	45.5	46		10	105
Q2176-02	TP-56	2-Fluorophenol	150	79.8	53		18	112
		Phenol-d6	150	79.4	53		15	107
		Nitrobenzene-d5	100	51.2	51		18	107
		2-Fluorobiphenyl	100	56.7	57		20	109
		2,4,6-Tribromophenol	150	69.5	46		10	116
		Terphenyl-d14	100	37.5	38		10	105
Q2176-03	TP-25	2-Fluorophenol	150	93.4	62		18	112
		Phenol-d6	150	90.1	60		15	107
		Nitrobenzene-d5	100	54.7	55		18	107
		2-Fluorobiphenyl	100	54.0	54		20	109
		2,4,6-Tribromophenol	150	97.0	65		10	116
		Terphenyl-d14	100	48.5	49		10	105
Q2176-04	TP-26	2-Fluorophenol	150	99.4	66		18	112
		Phenol-d6	150	97.9	65		15	107
		Nitrobenzene-d5	100	58.3	58		18	107
		2-Fluorobiphenyl	100	63.1	63		20	109
		2,4,6-Tribromophenol	150	97.0	65		10	116
		Terphenyl-d14	100	66.0	66		10	105
Q2176-05	TP-28	2-Fluorophenol	150	94.5	63		18	112
		Phenol-d6	150	93.3	62		15	107
		Nitrobenzene-d5	100	54.8	55		18	107

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Surrogate Summary

SW-846

SDG No.: Q2176

Client: CDM Smith

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q2176-05	TP-28	2-Fluorobiphenyl	100	55.6	56		20	109
		2,4,6-Tribromophenol	150	109	73		10	116
		Terphenyl-d14	100	55.7	56		10	105
Q2176-06	TP-27	2-Fluorophenol	150	122	82		18	112
		Phenol-d6	150	120	80		15	107
		Nitrobenzene-d5	100	68.1	68		18	107
		2-Fluorobiphenyl	100	71.5	72		20	109
		2,4,6-Tribromophenol	150	125	83		10	116
		Terphenyl-d14	100	73.2	73		10	105
Q2176-07	TP-31	2-Fluorophenol	150	91.0	61		18	112
		Phenol-d6	150	93.1	62		15	107
		Nitrobenzene-d5	100	56.8	57		18	107
		2-Fluorobiphenyl	100	53.6	54		20	109
		2,4,6-Tribromophenol	150	91.7	61		10	116
		Terphenyl-d14	100	49.2	49		10	105
Q2176-08	TP-65	2-Fluorophenol	150	113	75		18	112
		Phenol-d6	150	112	75		15	107
		Nitrobenzene-d5	100	62.9	63		18	107
		2-Fluorobiphenyl	100	57.7	58		20	109
		2,4,6-Tribromophenol	150	119	79		10	116
		Terphenyl-d14	100	58.4	58		10	105

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2176

Client: CDM Smith

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q2159-01MS		**Client Sample ID: TP05-MHO-WCMS**						**DataFile: BF142605.D**			
Benzaldehyde	1200	0	890	ug/Kg	74				10	171	
Phenol	1200	0	1000	ug/Kg	83				51	122	
bis(2-Chloroethyl)ether	1200	0	1100	ug/Kg	92				54	125	
2-Chlorophenol	1200	0	1100	ug/Kg	92				51	121	
2-Methylphenol	1200	0	1000	ug/Kg	83				47	125	
2,2-oxybis(1-Chloropropane)	1200	0	1100	ug/Kg	92				46	119	
Acetophenone	1200	0	1100	ug/Kg	92				55	128	
3+4-Methylphenols	1200	0	1000	ug/Kg	83				49	125	
N-Nitroso-di-n-propylamine	1200	0	990	ug/Kg	83				59	119	
Hexachloroethane	1200	0	1000	ug/Kg	83				51	116	
Nitrobenzene	1200	0	1100	ug/Kg	92				47	124	
Isophorone	1200	0	1100	ug/Kg	92				49	127	
2-Nitrophenol	1200	0	1100	ug/Kg	92				43	131	
2,4-Dimethylphenol	1200	0	1000	ug/Kg	83				63	151	
bis(2-Chloroethoxy)methane	1200	0	1100	ug/Kg	92				51	119	
2,4-Dichlorophenol	1200	0	1100	ug/Kg	92				50	122	
Naphthalene	1200	0	1100	ug/Kg	92				51	121	
4-Chloroaniline	1200	0	290	ug/Kg	24				10	100	
Hexachlorobutadiene	1200	0	1100	ug/Kg	92				44	126	
Caprolactam	1200	0	1100	ug/Kg	92				51	134	
4-Chloro-3-methylphenol	1200	0	1000	ug/Kg	83				57	132	
2-Methylnaphthalene	1200	0	1100	ug/Kg	92				59	123	
Hexachlorocyclopentadiene	2400	0	1900	ug/Kg	79				10	175	
2,4,6-Trichlorophenol	1200	0	1100	ug/Kg	92				33	141	
2,4,5-Trichlorophenol	1200	0	1100	ug/Kg	92				38	135	
1,1-Biphenyl	1200	0	1100	ug/Kg	92				55	131	
2-Chloronaphthalene	1200	0	1100	ug/Kg	92				48	124	
2-Nitroaniline	1200	0	1100	ug/Kg	92				47	134	
Dimethylphthalate	1200	0	1100	ug/Kg	92				54	120	
Acenaphthylene	1200	0	1100	ug/Kg	92				57	125	
2,6-Dinitrotoluene	1200	0	1100	ug/Kg	92				48	127	
3-Nitroaniline	1200	0	510	ug/Kg	43				10	112	
Acenaphthene	1200	0	1200	ug/Kg	100				70	121	
2,4-Dinitrophenol	2400	0	2000	ug/Kg	83				10	155	
4-Nitrophenol	2400	0	2100	ug/Kg	88				10	175	
Dibenzofuran	1200	0	1100	ug/Kg	92				52	114	
2,4-Dinitrotoluene	1200	0	1100	ug/Kg	92				41	140	
Diethylphthalate	1200	0	1100	ug/Kg	92				51	119	
4-Chlorophenyl-phenylether	1200	0	1100	ug/Kg	92				48	122	
Fluorene	1200	0	1100	ug/Kg	92				53	118	
4-Nitroaniline	1200	0	1000	ug/Kg	83				29	140	
4,6-Dinitro-2-methylphenol	1200	0	1100	ug/Kg	92				10	160	
N-Nitrosodiphenylamine	1200	0	1200	ug/Kg	100				73	118	
4-Bromophenyl-phenylether	1200	0	1200	ug/Kg	100				65	121	
Hexachlorobenzene	1200	0	1100	ug/Kg	92				67	118	
Atrazine	1200	0	1300	ug/Kg	108				45	175	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2176

Client: CDM Smith

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Pentachlorophenol	2400	0	2100	ug/Kg	88				13	153	
Phenanthrene	1200	0	1100	ug/Kg	92				52	128	
Anthracene	1200	0	1100	ug/Kg	92				62	124	
Carbazole	1200	0	1100	ug/Kg	92				59	119	
Di-n-butylphthalate	1200	0	1200	ug/Kg	100				55	125	
Fluoranthene	1200	0	1100	ug/Kg	92				44	125	
Pyrene	1200	0	840	ug/Kg	70				37	122	
Butylbenzylphthalate	1200	0	1200	ug/Kg	100				44	135	
3,3-Dichlorobenzidine	1200	0	630	ug/Kg	52				15	112	
Benzo(a)anthracene	1200	0	1100	ug/Kg	92				53	119	
Chrysene	1200	0	1100	ug/Kg	92				57	121	
bis(2-Ethylhexyl)phthalate	1200	0	1300	ug/Kg	108				42	169	
Di-n-octyl phthalate	1200	0	1200	ug/Kg	100				51	156	
Benzo(b)fluoranthene	1200	0	1200	ug/Kg	100				52	117	
Benzo(k)fluoranthene	1200	0	1100	ug/Kg	92				57	134	
Benzo(a)pyrene	1200	0	1100	ug/Kg	92				70	142	
Indeno(1,2,3-cd)pyrene	1200	0	930	ug/Kg	78				40	129	
Dibenz(a,h)anthracene	1200	0	930	ug/Kg	78				43	123	
Benzo(g,h,i)perylene	1200	0	860	ug/Kg	72				24	125	
1,2,4,5-Tetrachlorobenzene	1200	0	1200	ug/Kg	100				52	134	
1,4-Dioxane	1200	0	1000	ug/Kg	83				46	112	
2,3,4,6-Tetrachlorophenol	1200	0	1000	ug/Kg	83				24	146	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2176

Client: CDM Smith

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q2159-01MSD		**Client Sample ID: TP05-MHO-WCMSD**						**DataFile: BF142606.D**			
Benzaldehyde	1200	0	840	ug/Kg	70		6		10	171	20
Phenol	1200	0	990	ug/Kg	83		0		51	122	20
bis(2-Chloroethyl)ether	1200	0	1000	ug/Kg	83		10		54	125	20
2-Chlorophenol	1200	0	1000	ug/Kg	83		10		51	121	20
2-Methylphenol	1200	0	1000	ug/Kg	83		0		47	125	20
2,2-oxybis(1-Chloropropane)	1200	0	1000	ug/Kg	83		10		46	119	20
Acetophenone	1200	0	1000	ug/Kg	83		10		55	128	20
3+4-Methylphenols	1200	0	960	ug/Kg	80		4		49	125	20
N-Nitroso-di-n-propylamine	1200	0	950	ug/Kg	79		5		59	119	20
Hexachloroethane	1200	0	1000	ug/Kg	83		0		51	116	20
Nitrobenzene	1200	0	1100	ug/Kg	92		0		47	124	20
Isophorone	1200	0	1000	ug/Kg	83		10		49	127	20
2-Nitrophenol	1200	0	1100	ug/Kg	92		0		43	131	20
2,4-Dimethylphenol	1200	0	980	ug/Kg	82		1		63	151	20
bis(2-Chloroethoxy)methane	1200	0	1000	ug/Kg	83		10		51	119	20
2,4-Dichlorophenol	1200	0	1000	ug/Kg	83		10		50	122	20
Naphthalene	1200	0	1000	ug/Kg	83		10		51	121	20
4-Chloroaniline	1200	0	240	ug/Kg	20		18		10	100	20
Hexachlorobutadiene	1200	0	1000	ug/Kg	83		10		44	126	20
Caprolactam	1200	0	1100	ug/Kg	92		0		51	134	20
4-Chloro-3-methylphenol	1200	0	970	ug/Kg	81		2		57	132	20
2-Methylnaphthalene	1200	0	1000	ug/Kg	83		10		59	123	20
Hexachlorocyclopentadiene	2400	0	1900	ug/Kg	79		0		10	175	20
2,4,6-Trichlorophenol	1200	0	1100	ug/Kg	92		0		33	141	20
2,4,5-Trichlorophenol	1200	0	1000	ug/Kg	83		10		38	135	20
1,1-Biphenyl	1200	0	1100	ug/Kg	92		0		55	131	20
2-Chloronaphthalene	1200	0	1100	ug/Kg	92		0		48	124	20
2-Nitroaniline	1200	0	1100	ug/Kg	92		0		47	134	20
Dimethylphthalate	1200	0	1100	ug/Kg	92		0		54	120	20
Acenaphthylene	1200	0	1100	ug/Kg	92		0		57	125	20
2,6-Dinitrotoluene	1200	0	1100	ug/Kg	92		0		48	127	20
3-Nitroaniline	1200	0	480	ug/Kg	40		7		10	112	20
Acenaphthene	1200	0	1100	ug/Kg	92		8		70	121	20
2,4-Dinitrophenol	2400	0	1900	ug/Kg	79		5		10	155	20
4-Nitrophenol	2400	0	1900	ug/Kg	79		11		10	175	20
Dibenzofuran	1200	0	1000	ug/Kg	83		10		52	114	20
2,4-Dinitrotoluene	1200	0	1100	ug/Kg	92		0		41	140	20
Diethylphthalate	1200	0	1000	ug/Kg	83		10		51	119	20
4-Chlorophenyl-phenylether	1200	0	1000	ug/Kg	83		10		48	122	20
Fluorene	1200	0	1000	ug/Kg	83		10		53	118	20
4-Nitroaniline	1200	0	940	ug/Kg	78		6		29	140	20
4,6-Dinitro-2-methylphenol	1200	0	1100	ug/Kg	92		0		10	160	20
N-Nitrosodiphenylamine	1200	0	1200	ug/Kg	100		0		73	118	20
4-Bromophenyl-phenylether	1200	0	1200	ug/Kg	100		0		65	121	20
Hexachlorobenzene	1200	0	1100	ug/Kg	92		0		67	118	20
Atrazine	1200	0	1200	ug/Kg	100		8		45	175	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2176

Client: CDM Smith

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Pentachlorophenol	2400	0	2000	ug/Kg	83		6		13	153	20
Phenanthrene	1200	0	1100	ug/Kg	92		0		52	128	20
Anthracene	1200	0	1100	ug/Kg	92		0		62	124	20
Carbazole	1200	0	1100	ug/Kg	92		0		59	119	20
Di-n-butylphthalate	1200	0	1200	ug/Kg	100		0		55	125	20
Fluoranthene	1200	0	1000	ug/Kg	83		10		44	125	20
Pyrene	1200	0	780	ug/Kg	65		7		37	122	20
Butylbenzylphthalate	1200	0	1100	ug/Kg	92		8		44	135	20
3,3-Dichlorobenzidine	1200	0	660	ug/Kg	55		6		15	112	20
Benzo(a)anthracene	1200	0	1100	ug/Kg	92		0		53	119	20
Chrysene	1200	0	1100	ug/Kg	92		0		57	121	20
bis(2-Ethylhexyl)phthalate	1200	0	1200	ug/Kg	100		8		42	169	20
Di-n-octyl phthalate	1200	0	1200	ug/Kg	100		0		51	156	20
Benzo(b)fluoranthene	1200	0	1000	ug/Kg	83		19		52	117	20
Benzo(k)fluoranthene	1200	0	1100	ug/Kg	92		0		57	134	20
Benzo(a)pyrene	1200	0	1100	ug/Kg	92		0		70	142	20
Indeno(1,2,3-cd)pyrene	1200	0	870	ug/Kg	73		7		40	129	20
Dibenz(a,h)anthracene	1200	0	890	ug/Kg	74		5		43	123	20
Benzo(g,h,i)perylene	1200	0	800	ug/Kg	67		7		24	125	20
1,2,4,5-Tetrachlorobenzene	1200	0	1100	ug/Kg	92		8		52	134	20
1,4-Dioxane	1200	0	970	ug/Kg	81		2		46	112	20
2,3,4,6-Tetrachlorophenol	1200	0	980	ug/Kg	82		1		24	146	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2176

Client: CDM Smith

Analytical Method: 8270E **DataFile:** BF142726.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168234BS	Benzaldehyde	1700	1100	ug/Kg	65				10	133	
	Phenol	1700	1400	ug/Kg	82				62	112	
	bis(2-Chloroethyl)ether	1700	1400	ug/Kg	82				60	101	
	2-Chlorophenol	1700	1500	ug/Kg	88				65	112	
	2-Methylphenol	1700	1500	ug/Kg	88				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1400	ug/Kg	82				51	100	
	Acetophenone	1700	1500	ug/Kg	88				66	98	
	3+4-Methylphenols	1700	1500	ug/Kg	88				58	111	
	N-Nitroso-di-n-propylamine	1700	1400	ug/Kg	82				63	95	
	Hexachloroethane	1700	1400	ug/Kg	82				72	108	
	Nitrobenzene	1700	1500	ug/Kg	88				57	101	
	Isophorone	1700	1400	ug/Kg	82				59	99	
	2-Nitrophenol	1700	1500	ug/Kg	88				61	111	
	2,4-Dimethylphenol	1700	1500	ug/Kg	88				46	141	
	bis(2-Chloroethoxy)methane	1700	1500	ug/Kg	88				66	97	
	2,4-Dichlorophenol	1700	1500	ug/Kg	88				62	107	
	Naphthalene	1700	1500	ug/Kg	88				62	100	
	4-Chloroaniline	1700	350	ug/Kg	21				16	100	
	Hexachlorobutadiene	1700	1400	ug/Kg	82				53	98	
	Caprolactam	1700	1700	ug/Kg	100				67	110	
	4-Chloro-3-methylphenol	1700	1500	ug/Kg	88				58	112	
	2-Methylnaphthalene	1700	1500	ug/Kg	88				60	104	
	Hexachlorocyclopentadiene	3300	2900	ug/Kg	88				45	165	
	2,4,6-Trichlorophenol	1700	1600	ug/Kg	94				59	102	
	2,4,5-Trichlorophenol	1700	1500	ug/Kg	88				61	98	
	1,1-Biphenyl	1700	1500	ug/Kg	88				57	103	
	2-Chloronaphthalene	1700	1500	ug/Kg	88				58	99	
	2-Nitroaniline	1700	1500	ug/Kg	88				66	101	
	Dimethylphthalate	1700	1500	ug/Kg	88				61	99	
	Acenaphthylene	1700	1500	ug/Kg	88				63	101	
	2,6-Dinitrotoluene	1700	1500	ug/Kg	88				61	104	
	3-Nitroaniline	1700	750	ug/Kg	44				28	100	
	Acenaphthene	1700	1600	ug/Kg	94				57	104	
	2,4-Dinitrophenol	3300	3600	ug/Kg	109				37	128	
	4-Nitrophenol	3300	3300	ug/Kg	100				48	119	
	Dibenzofuran	1700	1500	ug/Kg	88				63	99	
	2,4-Dinitrotoluene	1700	1600	ug/Kg	94				60	106	
	Diethylphthalate	1700	1500	ug/Kg	88				60	101	
	4-Chlorophenyl-phenylether	1700	1500	ug/Kg	88				58	98	
	Fluorene	1700	1500	ug/Kg	88				61	101	
	4-Nitroaniline	1700	1500	ug/Kg	88				64	103	
	4,6-Dinitro-2-methylphenol	1700	1700	ug/Kg	100				76	113	
	N-Nitrosodiphenylamine	1700	1500	ug/Kg	88				71	99	
	4-Bromophenyl-phenylether	1700	1500	ug/Kg	88				66	102	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2176

Client: CDM Smith

Analytical Method: 8270E **DataFile:** BF142726.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168234BS	Hexachlorobenzene	1700	1500	ug/Kg	88				64	98	
	Atrazine	1700	1700	ug/Kg	100				47	152	
	Pentachlorophenol	3300	3200	ug/Kg	97				67	105	
	Phenanthrene	1700	1500	ug/Kg	88				59	103	
	Anthracene	1700	1500	ug/Kg	88				61	105	
	Carbazole	1700	1500	ug/Kg	88				61	99	
	Di-n-butylphthalate	1700	1600	ug/Kg	94				58	104	
	Fluoranthene	1700	1500	ug/Kg	88				57	107	
	Pyrene	1700	1600	ug/Kg	94				59	103	
	Butylbenzylphthalate	1700	1700	ug/Kg	100				55	103	
	3,3-Dichlorobenzidine	1700	650	ug/Kg	38		*		42	91	
	Benzo(a)anthracene	1700	1500	ug/Kg	88				60	102	
	Chrysene	1700	1500	ug/Kg	88				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1500	ug/Kg	88				54	135	
	Di-n-octyl phthalate	1700	1500	ug/Kg	88				52	137	
	Benzo(b)fluoranthene	1700	1700	ug/Kg	100				62	109	
	Benzo(k)fluoranthene	1700	1500	ug/Kg	88				62	109	
	Benzo(a)pyrene	1700	1600	ug/Kg	94				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1600	ug/Kg	94				63	101	
	Dibenz(a,h)anthracene	1700	1600	ug/Kg	94				61	112	
	Benzo(g,h,i)perylene	1700	1500	ug/Kg	88				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1500	ug/Kg	88				53	101	
	1,4-Dioxane	1700	1200	ug/Kg	71				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1500	ug/Kg	88				59	108	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168234BL

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2176 SAS No.: Q2176 SDG NO.: Q2176

Lab File ID: BF142603.D Lab Sample ID: PB168234BL

Instrument ID: BNA_F Date Extracted: 06/04/2025

Matrix: (soil/water) SOIL Date Analyzed: 06/04/2025

Level: (low/med) LOW Time Analyzed: 13:05

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
TP05-MHO-WCMS	Q2159-01MS	BF142605.D	06/04/2025
TP05-MHO-WCMSD	Q2159-01MSD	BF142606.D	06/04/2025
TP-31	Q2176-07	BF142650.D	06/06/2025
TP-46	Q2176-01	BF142661.D	06/06/2025
PB168234BS	PB168234BS	BF142726.D	06/11/2025
TP-56	Q2176-02	BF142757.D	06/12/2025
TP-65	Q2176-08	BP024894.D	06/10/2025
TP-27	Q2176-06	BP024897.D	06/10/2025
TP-26	Q2176-04	BP024901.D	06/10/2025
TP-25	Q2176-03	BP024908.D	06/11/2025
TP-28	Q2176-05	BP024909.D	06/11/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM SAS No.: Q2176 SDG NO.: Q2176

Lab File ID: BF142465.D DFTPP Injection Date: 05/20/2025

Instrument ID: BNA_F DFTPP Injection Time: 11:13

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	36.8
68	Less than 2.0% of mass 69	0.5 (1.9) 1
69	Mass 69 relative abundance	33.1
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	44.9
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	29.9
365	Greater than 1% of mass 198	4.2
441	Present, but less than mass 443	19.9
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19 (19) 2

1-Value is % mass 69 2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF142467.D	05/20/2025	12:10
SSTDICC005	SSTDICC005	BF142468.D	05/20/2025	12:38
SSTDICC010	SSTDICC010	BF142469.D	05/20/2025	13:07
SSTDICC020	SSTDICC020	BF142470.D	05/20/2025	13:36
SSTDICCC040	SSTDICCC040	BF142471.D	05/20/2025	14:05
SSTDICC050	SSTDICC050	BF142472.D	05/20/2025	14:34
SSTDICC060	SSTDICC060	BF142473.D	05/20/2025	15:03
SSTDICC080	SSTDICC080	BF142474.D	05/20/2025	15:31

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM SAS No.: Q2176 SDG NO.: Q2176

Lab File ID: BF142601.D DFTPP Injection Date: 06/04/2025

Instrument ID: BNA_F DFTPP Injection Time: 11:59

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	36.7
68	Less than 2.0% of mass 69	0.5 (1.8) 1
69	Mass 69 relative abundance	31.8
70	Less than 2.0% of mass 69	0.2 (0.7) 1
127	10.0 - 80.0% of mass 198	44.2
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	28.6
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	19.5
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.9 (18.9) 2

1-Value is % mass 69 2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF142602.D	06/04/2025	12:27
PB168234BL	PB168234BL	BF142603.D	06/04/2025	13:05
TP05-MHO-WCMS	Q2159-01MS	BF142605.D	06/04/2025	14:08
TP05-MHO-WCMSD	Q2159-01MSD	BF142606.D	06/04/2025	14:38

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM SAS No.: Q2176 SDG NO.: Q2176

Lab File ID: BF142639.D DFTPP Injection Date: 06/06/2025

Instrument ID: BNA_F DFTPP Injection Time: 11:01

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	37.0
68	Less than 2.0% of mass 69	0.5 (1.8) 1
69	Mass 69 relative abundance	32.3
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	45.2
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	28.0
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	17.0
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.9 (18.9) 2

1-Value is % mass 69 2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF142640.D	06/06/2025	11:36
TP-31	Q2176-07	BF142650.D	06/06/2025	17:01
TP-46	Q2176-01	BF142661.D	06/06/2025	22:31

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM SAS No.: Q2176 SDG NO.: Q2176

Lab File ID: BF142710.D DFTPP Injection Date: 06/10/2025

Instrument ID: BNA_F DFTPP Injection Time: 15:42

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	36.0
68	Less than 2.0% of mass 69	0.5 (1.7) 1
69	Mass 69 relative abundance	33.2
70	Less than 2.0% of mass 69	0.1 (0.2) 1
127	10.0 - 80.0% of mass 198	45.7
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	28.7
365	Greater than 1% of mass 198	3.9
441	Present, but less than mass 443	18.0
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19 (19) 2

1-Value is % mass 69 2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF142712.D	06/10/2025	16:54
SSTDICC005	SSTDICC005	BF142713.D	06/10/2025	17:24
SSTDICC010	SSTDICC010	BF142714.D	06/10/2025	17:53
SSTDICC020	SSTDICC020	BF142715.D	06/10/2025	18:22
SSTDICCC040	SSTDICCC040	BF142716.D	06/10/2025	18:52
SSTDICC050	SSTDICC050	BF142717.D	06/10/2025	19:21
SSTDICC060	SSTDICC060	BF142718.D	06/10/2025	19:50
SSTDICC080	SSTDICC080	BF142719.D	06/10/2025	20:19

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM SAS No.: Q2176 SDG NO.: Q2176

Lab File ID: BF142722.D DFTPP Injection Date: 06/11/2025

Instrument ID: BNA_F DFTPP Injection Time: 08:56

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	37.2
68	Less than 2.0% of mass 69	0.6 (1.9) 1
69	Mass 69 relative abundance	34.1
70	Less than 2.0% of mass 69	0.1 (0.4) 1
127	10.0 - 80.0% of mass 198	47.9
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	27.9
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	17.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.6 (18.6) 2

1-Value is % mass 69 2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF142723.D	06/11/2025	09:24
PB168234BS	PB168234BS	BF142726.D	06/11/2025	10:51

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM SAS No.: Q2176 SDG NO.: Q2176

Lab File ID: BF142747.D DFTPP Injection Date: 06/12/2025

Instrument ID: BNA_F DFTPP Injection Time: 09:21

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	35.5
68	Less than 2.0% of mass 69	0.5 (1.8) 1
69	Mass 69 relative abundance	34.0
70	Less than 2.0% of mass 69	0.1 (0.2) 1
127	10.0 - 80.0% of mass 198	48.0
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	28.1
365	Greater than 1% of mass 198	4.0
441	Present, but less than mass 443	17.8
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.5 (19.5) 2

1-Value is % mass 69 2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF142748.D	06/12/2025	09:50
TP-56	Q2176-02	BF142757.D	06/12/2025	14:58

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM SAS No.: Q2176 SDG NO.: Q2176

Lab File ID: BP024859.D DFTPP Injection Date: 06/06/2025

Instrument ID: BNA_P DFTPP Injection Time: 09:49

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	32.2
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	36.9
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	47.9
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	31.2
365	Greater than 1% of mass 198	4.6
441	Present, but less than mass 443	13.1
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	16.1 (19.2) 2

1-Value is % mass 69 2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BP024860.D	06/06/2025	10:30
SSTDICC005	SSTDICC005	BP024861.D	06/06/2025	11:11
SSTDICC010	SSTDICC010	BP024862.D	06/06/2025	11:52
SSTDICC020	SSTDICC020	BP024863.D	06/06/2025	12:33
SSTDICCC040	SSTDICCC040	BP024864.D	06/06/2025	13:14
SSTDICC050	SSTDICC050	BP024865.D	06/06/2025	13:56
SSTDICC060	SSTDICC060	BP024866.D	06/06/2025	14:37
SSTDICC080	SSTDICC080	BP024867.D	06/06/2025	15:18

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM SAS No.: Q2176 SDG NO.: Q2176

Lab File ID: BP024887.D DFTPP Injection Date: 06/10/2025

Instrument ID: BNA_P DFTPP Injection Time: 10:12

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	30.5
68	Less than 2.0% of mass 69	0.6 (1.8) 1
69	Mass 69 relative abundance	35
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	46.2
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	30.9
365	Greater than 1% of mass 198	4.1
441	Present, but less than mass 443	12
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	15.3 (19.4) 2

1-Value is % mass 69 2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BP024888.D	06/10/2025	10:53
TP-65	Q2176-08	BP024894.D	06/10/2025	15:05
TP-27	Q2176-06	BP024897.D	06/10/2025	17:08
TP-26	Q2176-04	BP024901.D	06/10/2025	19:51

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM SAS No.: Q2176 SDG NO.: Q2176

Lab File ID: BP024904.D DFTPP Injection Date: 06/11/2025

Instrument ID: BNA_P DFTPP Injection Time: 09:29

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	29.9
68	Less than 2.0% of mass 69	0.6 (1.8) 1
69	Mass 69 relative abundance	34.6
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	45.8
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	30.8
365	Greater than 1% of mass 198	4.4
441	Present, but less than mass 443	13.2
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	16.1 (19.1) 2

1-Value is % mass 69 2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BP024905.D	06/11/2025	10:09
TP-25	Q2176-03	BP024908.D	06/11/2025	12:18
TP-28	Q2176-05	BP024909.D	06/11/2025	12:59

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2176 SAS No.: Q2176 SDG NO.: Q2176

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/04/2025

Lab File ID: BF142602.D Time Analyzed: 12:27

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	118699	6.898	454762	8.18	238732	9.94
	UPPER LIMIT	237398	7.398	909524	8.68	477464	10.439
	LOWER LIMIT	59349.5	6.398	227381	7.68	119366	9.439
	EPA SAMPLE NO.						
01	PB168234BL	131273	6.89	500088	8.18	273312	9.93
02	TP05-MHO-WCMS	119687	6.90	441391	8.18	218918	9.94
03	TP05-MHO-WCMSD	117119	6.90	429653	8.18	207287	9.94

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2176 SAS No.: Q2176 SDG NO.: Q2176

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/04/2025

Lab File ID: BF142602.D Time Analyzed: 12:27

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	393948	11.427	204352	14.068	242845	15.562
	UPPER LIMIT	787896	11.927	408704	14.568	485690	16.062
	LOWER LIMIT	196974	10.927	102176	13.568	121423	15.062
	EPA SAMPLE NO.						
01	PB168234BL	477318	11.42	281764	14.06	248996	15.56
02	TP05-MHO-WCMS	322457	11.43	216030	14.07	272895	15.56
03	TP05-MHO-WCMSD	289513	11.42	207868	14.07	274922	15.56

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

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

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* Values outside of QC limits.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2176 SAS No.: Q2176 SDG NO.: Q2176

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

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

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	126582	6.893	487381	8.18	254808	9.94
	UPPER LIMIT	253164	7.393	974762	8.681	509616	10.439
	LOWER LIMIT	63291	6.393	243691	7.681	127404	9.439
	EPA SAMPLE NO.						
01	TP-31	128783	6.89	488985	8.18	263890	9.93
02	TP-46	124234	6.89	473472	8.18	251337	9.93

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2176 SAS No.: Q2176 SDG NO.: Q2176

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

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

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	375492	11.428	207998	14.069	270482	15.563
	UPPER LIMIT	750984	11.928	415996	14.569	540964	16.063
	LOWER LIMIT	187746	10.928	103999	13.569	135241	15.063
	EPA SAMPLE NO.						
01	TP-31	414083	11.42	237224	14.06	279177	15.56
02	TP-46	378800	11.42	233380	14.06	269073	15.56

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

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

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

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2176 SAS No.: Q2176 SDG NO.: Q2176

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

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

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	78219	6.892	306828	8.18	172169	9.94
	UPPER LIMIT	156438	7.392	613656	8.681	344338	10.439
	LOWER LIMIT	39109.5	6.392	153414	7.681	86084.5	9.439
	EPA SAMPLE NO.						
01	PB168234BS	83192	6.89	318279	8.18	176454	9.93

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2176 SAS No.: Q2176 SDG NO.: Q2176

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

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

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	291189	11.427	151467	14.068	144700	15.562
	UPPER LIMIT	582378	11.927	302934	14.568	289400	16.062
	LOWER LIMIT	145595	10.927	75733.5	13.568	72350	15.062
	EPA SAMPLE NO.						
01	PB168234BS	298489	11.43	155305	14.07	159844	15.56

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

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

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

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2176 SAS No.: Q2176 SDG NO.: Q2176

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

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

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	70133	6.892	258971	8.18	130776	9.93
	UPPER LIMIT	140266	7.392	517942	8.675	261552	10.433
	LOWER LIMIT	35066.5	6.392	129486	7.675	65388	9.433
	EPA SAMPLE NO.						
01	TP-56	80751	6.89	294826	8.18	141230	9.93

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2176 SAS No.: Q2176 SDG NO.: Q2176

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

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

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	201441	11.422	120471	14.068	146263	15.562
	UPPER LIMIT	402882	11.922	240942	14.568	292526	16.062
	LOWER LIMIT	100721	10.922	60235.5	13.568	73131.5	15.062
	EPA SAMPLE NO.						
01	TP-56	198627	11.42	163027	14.06	189069	15.56

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

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

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

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2176 SAS No.: Q2176 SDG NO.: Q2176

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

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

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	264162	7.602	1106060	10.37	714331	14.24
	UPPER LIMIT	528324	8.102	2212120	10.872	1428660	14.742
	LOWER LIMIT	132081	7.102	553030	9.872	357166	13.742
	EPA SAMPLE NO.						
01	TP-27	231122	7.61	960347	10.38	611548	14.25
02	TP-65	258411	7.61	1090500	10.38	691206	14.25
03	TP-26	331428	7.61	1353170	10.38	851560	14.25

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2176 SAS No.: Q2176 SDG NO.: Q2176

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

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

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	1406880	17.048	1508870	21.466	1759120	24.707
	UPPER LIMIT	2813760	17.548	3017740	21.966	3518240	25.207
	LOWER LIMIT	703440	16.548	754435	20.966	879560	24.207
	EPA SAMPLE NO.						
01	TP-27	1164370	17.06	1196930	21.49	1458420	24.74
02	TP-65	1373080	17.05	1382030	21.48	1592940	24.74
03	TP-26	1568910	17.06	1528630	21.50	1800540	24.77

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

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

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

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2176 SAS No.: Q2176 SDG NO.: Q2176

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

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

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	246136	7.607	989564	10.38	627529	14.25
	UPPER LIMIT	492272	8.107	1979130	10.878	1255060	14.754
	LOWER LIMIT	123068	7.107	494782	9.878	313765	13.754
	EPA SAMPLE NO.						
01	TP-25	205856	7.61	780618	10.38	477183	14.25
02	TP-28	233414	7.61	929314	10.38	605225	14.25

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2176 SAS No.: Q2176 SDG NO.: Q2176

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

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

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	1260450	17.06	1315010	21.501	1616000	24.765
	UPPER LIMIT	2520900	17.56	2630020	22.001	3232000	25.265
	LOWER LIMIT	630225	16.56	657505	21.001	808000	24.265
	EPA SAMPLE NO.						
01	TP-25	971702	17.07	1285000	21.50	1716480	24.77
02	TP-28	1276560	17.05	1658470	21.48	1985950	24.75

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

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

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

QC SAMPLE DATA

Raw Data: **BF142603.D**

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168234BL	SDG No.:	Q2176
Lab Sample ID:	PB168234BL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142603.D	1	06/04/25 09:10	06/04/25 13:05	PB168234

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

Raw Data: **BF142603.D**

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168234BL	SDG No.:	Q2176
Lab Sample ID:	PB168234BL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142603.D	1	06/04/25 09:10	06/04/25 13:05	PB168234

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

Raw Data: **BF142603.D**

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168234BL	SDG No.:	Q2176
Lab Sample ID:	PB168234BL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142603.D	1	06/04/25 09:10	06/04/25 13:05	PB168234

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	22.4	U	22.4	170	ug/Kg
50-32-8	Benzo(a)pyrene	29.5	U	29.5	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	29.1	U	29.1	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	27.4	U	27.4	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	25.7	U	25.7	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	25.6	U	25.6	170	ug/Kg
123-91-1	1,4-Dioxane	45.2	U	45.2	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	27.4	U	27.4	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	120		18 - 112	80%	SPK: 150
13127-88-3	Phenol-d6	119		15 - 107	80%	SPK: 150
4165-60-0	Nitrobenzene-d5	75.3		18 - 107	75%	SPK: 100
321-60-8	2-Fluorobiphenyl	71.9		20 - 109	72%	SPK: 100
118-79-6	2,4,6-Tribromophenol	117		10 - 116	78%	SPK: 150
1718-51-0	Terphenyl-d14	72.1		10 - 105	72%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	131000	6.893			
1146-65-2	Naphthalene-d8	500000	8.175			
15067-26-2	Acenaphthene-d10	273000	9.934			
1517-22-2	Phenanthrene-d10	477000	11.422			
1719-03-5	Chrysene-d12	282000	14.063			
1520-96-3	Perylene-d12	249000	15.563			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	330	A		5.13	ug/Kg

Raw Data: **BF142603.D**

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Report of Analysis

Client:	CDM Smith			Date Collected:	
Project:	South River WM Replacement			Date Received:	
Client Sample ID:	PB168234BL			SDG No.:	Q2176
Lab Sample ID:	PB168234BL			Matrix:	SOIL
Analytical Method:	8270E			% Solid:	100
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142603.D	1	06/04/25 09:10	06/04/25 13:05	PB168234

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

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

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

Raw Data: **BF142726.D**

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168234BS	SDG No.:	Q2176
Lab Sample ID:	PB168234BS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142726.D	1	06/04/25 09:10	06/11/25 10:51	PB168234

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1100		160	330	ug/Kg
108-95-2	Phenol	1400		22.1	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1400		24.3	170	ug/Kg
95-57-8	2-Chlorophenol	1500		24.4	170	ug/Kg
95-48-7	2-Methylphenol	1500		29.9	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1400		37.5	170	ug/Kg
98-86-2	Acetophenone	1500		29.5	170	ug/Kg
65794-96-9	3+4-Methylphenols	1500		41.1	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1400		47.4	79.9	ug/Kg
67-72-1	Hexachloroethane	1400		17.6	170	ug/Kg
98-95-3	Nitrobenzene	1500		18.3	170	ug/Kg
78-59-1	Isophorone	1400		32.8	170	ug/Kg
88-75-5	2-Nitrophenol	1500		58.1	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1500		64.7	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1500		30.8	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1500		28.3	170	ug/Kg
91-20-3	Naphthalene	1500		22.7	170	ug/Kg
106-47-8	4-Chloroaniline	350		35.4	170	ug/Kg
87-68-3	Hexachlorobutadiene	1400		25.3	170	ug/Kg
105-60-2	Caprolactam	1700		52.0	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1500		28.7	170	ug/Kg
91-57-6	2-Methylnaphthalene	1500		25.6	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	2900	E	120	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1600		19.8	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1500		29.1	170	ug/Kg
92-52-4	1,1-Biphenyl	1500		21.8	170	ug/Kg
91-58-7	2-Chloronaphthalene	1500		22.5	170	ug/Kg
88-74-4	2-Nitroaniline	1500		48.1	170	ug/Kg
131-11-3	Dimethylphthalate	1500		27.1	170	ug/Kg

Raw Data: **BF142726.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168234BS	SDG No.:	Q2176
Lab Sample ID:	PB168234BS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142726.D	1	06/04/25 09:10	06/11/25 10:51	PB168234

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1500		28.9	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1500		33.6	170	ug/Kg
99-09-2	3-Nitroaniline	750		46.0	170	ug/Kg
83-32-9	Acenaphthene	1600		21.3	170	ug/Kg
51-28-5	2,4-Dinitrophenol	3600	E	230	330	ug/Kg
100-02-7	4-Nitrophenol	3300	E	110	330	ug/Kg
132-64-9	Dibenzofuran	1500		22.7	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1600		50.0	170	ug/Kg
84-66-2	Diethylphthalate	1500		28.3	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1500		26.7	170	ug/Kg
86-73-7	Fluorene	1500		25.3	170	ug/Kg
100-01-6	4-Nitroaniline	1500		64.1	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1700		100	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1500		32.9	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1500		27.8	170	ug/Kg
118-74-1	Hexachlorobenzene	1500		25.3	170	ug/Kg
1912-24-9	Atrazine	1700		34.0	170	ug/Kg
87-86-5	Pentachlorophenol	3200	E	51.2	330	ug/Kg
85-01-8	Phenanthrene	1500		20.9	170	ug/Kg
120-12-7	Anthracene	1500		33.3	170	ug/Kg
86-74-8	Carbazole	1500		31.2	170	ug/Kg
84-74-2	Di-n-butylphthalate	1600		47.9	170	ug/Kg
206-44-0	Fluoranthene	1500		30.0	170	ug/Kg
129-00-0	Pyrene	1600		36.0	170	ug/Kg
85-68-7	Butylbenzylphthalate	1700		71.3	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	650		36.7	330	ug/Kg
56-55-3	Benzo(a)anthracene	1500		23.0	170	ug/Kg
218-01-9	Chrysene	1500		19.9	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1500		59.1	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1500		86.7	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1700		19.0	170	ug/Kg

Raw Data: **BF142726.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168234BS	SDG No.:	Q2176
Lab Sample ID:	PB168234BS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142726.D	1	06/04/25 09:10	06/11/25 10:51	PB168234

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1500		22.4	170	ug/Kg
50-32-8	Benzo(a)pyrene	1600		29.5	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1600		29.1	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1600		27.4	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1500		25.7	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1500		25.6	170	ug/Kg
123-91-1	1,4-Dioxane	1200		45.2	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1500		27.4	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	120		18 - 112	80%	SPK: 150
13127-88-3	Phenol-d6	120		15 - 107	80%	SPK: 150
4165-60-0	Nitrobenzene-d5	76.0		18 - 107	76%	SPK: 100
321-60-8	2-Fluorobiphenyl	74.1		20 - 109	74%	SPK: 100
118-79-6	2,4,6-Tribromophenol	123		10 - 116	82%	SPK: 150
1718-51-0	Terphenyl-d14	80.6		10 - 105	81%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	83200	6.893			
1146-65-2	Naphthalene-d8	318000	8.181			
15067-26-2	Acenaphthene-d10	176000	9.934			
1517-22-2	Phenanthrene-d10	298000	11.428			
1719-03-5	Chrysene-d12	155000	14.069			
1520-96-3	Perylene-d12	160000	15.563			

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

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

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/29/25
Client Sample ID:	TP05-MHO-WCMS	SDG No.:	Q2176
Lab Sample ID:	Q2159-01MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83
Sample Wt/Vol:	50.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142605.D	1	06/04/25 09:10	06/04/25 14:08	PB168234

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	890		110	240	ug/Kg
108-95-2	Phenol	1000		16.0	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1100		17.6	120	ug/Kg
95-57-8	2-Chlorophenol	1100		17.6	120	ug/Kg
95-48-7	2-Methylphenol	1000		21.6	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1100		27.1	120	ug/Kg
98-86-2	Acetophenone	1100		21.3	120	ug/Kg
65794-96-9	3+4-Methylphenols	1000		29.7	240	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	990		34.2	57.8	ug/Kg
67-72-1	Hexachloroethane	1000		12.7	120	ug/Kg
98-95-3	Nitrobenzene	1100		13.2	120	ug/Kg
78-59-1	Isophorone	1100		23.7	120	ug/Kg
88-75-5	2-Nitrophenol	1100		42.0	120	ug/Kg
105-67-9	2,4-Dimethylphenol	1000		46.8	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1100		22.2	120	ug/Kg
120-83-2	2,4-Dichlorophenol	1100		20.4	120	ug/Kg
91-20-3	Naphthalene	1100		16.4	120	ug/Kg
106-47-8	4-Chloroaniline	290		25.6	120	ug/Kg
87-68-3	Hexachlorobutadiene	1100		18.3	120	ug/Kg
105-60-2	Caprolactam	1100		37.6	240	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1000		20.7	120	ug/Kg
91-57-6	2-Methylnaphthalene	1100		18.5	120	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1900	E	83.8	240	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1100		14.3	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1100		21.0	120	ug/Kg
92-52-4	1,1-Biphenyl	1100		15.7	120	ug/Kg
91-58-7	2-Chloronaphthalene	1100		16.3	120	ug/Kg
88-74-4	2-Nitroaniline	1100		34.7	120	ug/Kg
131-11-3	Dimethylphthalate	1100		19.6	120	ug/Kg

Raw Data: **BF142605.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/29/25
Client Sample ID:	TP05-MHO-WCMS	SDG No.:	Q2176
Lab Sample ID:	Q2159-01MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83
Sample Wt/Vol:	50.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142605.D	1	06/04/25 09:10	06/04/25 14:08	PB168234

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1100		20.9	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	1100		24.3	120	ug/Kg
99-09-2	3-Nitroaniline	510		33.2	120	ug/Kg
83-32-9	Acenaphthene	1200		15.4	120	ug/Kg
51-28-5	2,4-Dinitrophenol	2000	E	170	240	ug/Kg
100-02-7	4-Nitrophenol	2100	E	77.3	240	ug/Kg
132-64-9	Dibenzofuran	1100		16.4	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	1100		36.2	120	ug/Kg
84-66-2	Diethylphthalate	1100		20.4	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1100		19.3	120	ug/Kg
86-73-7	Fluorene	1100		18.3	120	ug/Kg
100-01-6	4-Nitroaniline	1000		46.4	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1100		74.4	240	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1200		23.8	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1200		20.1	120	ug/Kg
118-74-1	Hexachlorobenzene	1100		18.3	120	ug/Kg
1912-24-9	Atrazine	1300		24.6	120	ug/Kg
87-86-5	Pentachlorophenol	2100	E	37.1	240	ug/Kg
85-01-8	Phenanthrene	1100		15.1	120	ug/Kg
120-12-7	Anthracene	1100		24.1	120	ug/Kg
86-74-8	Carbazole	1100		22.5	120	ug/Kg
84-74-2	Di-n-butylphthalate	1200		34.6	120	ug/Kg
206-44-0	Fluoranthene	1100		21.7	120	ug/Kg
129-00-0	Pyrene	840		26.0	120	ug/Kg
85-68-7	Butylbenzylphthalate	1200		51.6	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	630		26.5	240	ug/Kg
56-55-3	Benzo(a)anthracene	1100		16.6	120	ug/Kg
218-01-9	Chrysene	1100		14.4	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1300		42.8	120	ug/Kg
117-84-0	Di-n-octyl phthalate	1200		62.7	240	ug/Kg
205-99-2	Benzo(b)fluoranthene	1200		13.7	120	ug/Kg

Raw Data: **BF142605.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/29/25
Client Sample ID:	TP05-MHO-WCMS	SDG No.:	Q2176
Lab Sample ID:	Q2159-01MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83
Sample Wt/Vol:	50.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142605.D	1	06/04/25 09:10	06/04/25 14:08	PB168234

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1100		16.2	120	ug/Kg
50-32-8	Benzo(a)pyrene	1100		21.3	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	930		21.0	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	930		19.8	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	860		18.6	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1200		18.5	120	ug/Kg
123-91-1	1,4-Dioxane	1000		32.6	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1000		19.8	120	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	74.7		18 - 112	50%	SPK: 150
13127-88-3	Phenol-d6	76.0		15 - 107	51%	SPK: 150
4165-60-0	Nitrobenzene-d5	47.4		18 - 107	47%	SPK: 100
321-60-8	2-Fluorobiphenyl	45.5		20 - 109	46%	SPK: 100
118-79-6	2,4,6-Tribromophenol	69.8		10 - 116	47%	SPK: 150
1718-51-0	Terphenyl-d14	35.2		10 - 105	35%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	120000	6.898			
1146-65-2	Naphthalene-d8	441000	8.181			
15067-26-2	Acenaphthene-d10	219000	9.939			
1517-22-2	Phenanthrene-d10	322000	11.428			
1719-03-5	Chrysene-d12	216000	14.069			
1520-96-3	Perylene-d12	273000	15.563			

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

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

Raw Data: **BF142606.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/29/25
Client Sample ID:	TP05-MHO-WCMSD	SDG No.:	Q2176
Lab Sample ID:	Q2159-01MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83
Sample Wt/Vol:	50.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142606.D	1	06/04/25 09:10	06/04/25 14:38	PB168234

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	840		110	240	ug/Kg
108-95-2	Phenol	990		16.0	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1000		17.6	120	ug/Kg
95-57-8	2-Chlorophenol	1000		17.6	120	ug/Kg
95-48-7	2-Methylphenol	1000		21.6	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1000		27.1	120	ug/Kg
98-86-2	Acetophenone	1000		21.3	120	ug/Kg
65794-96-9	3+4-Methylphenols	960		29.7	240	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	950		34.3	57.8	ug/Kg
67-72-1	Hexachloroethane	1000		12.7	120	ug/Kg
98-95-3	Nitrobenzene	1100		13.2	120	ug/Kg
78-59-1	Isophorone	1000		23.7	120	ug/Kg
88-75-5	2-Nitrophenol	1100		42.1	120	ug/Kg
105-67-9	2,4-Dimethylphenol	980		46.8	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1000		22.3	120	ug/Kg
120-83-2	2,4-Dichlorophenol	1000		20.4	120	ug/Kg
91-20-3	Naphthalene	1000		16.4	120	ug/Kg
106-47-8	4-Chloroaniline	240		25.6	120	ug/Kg
87-68-3	Hexachlorobutadiene	1000		18.3	120	ug/Kg
105-60-2	Caprolactam	1100		37.6	240	ug/Kg
59-50-7	4-Chloro-3-methylphenol	970		20.7	120	ug/Kg
91-57-6	2-Methylnaphthalene	1000		18.5	120	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1900		83.8	240	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1100		14.3	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1000		21.0	120	ug/Kg
92-52-4	1,1-Biphenyl	1100		15.8	120	ug/Kg
91-58-7	2-Chloronaphthalene	1100		16.3	120	ug/Kg
88-74-4	2-Nitroaniline	1100		34.8	120	ug/Kg
131-11-3	Dimethylphthalate	1100		19.6	120	ug/Kg

Raw Data: **BF142606.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/29/25
Client Sample ID:	TP05-MHO-WCMSD	SDG No.:	Q2176
Lab Sample ID:	Q2159-01MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83
Sample Wt/Vol:	50.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142606.D	1	06/04/25 09:10	06/04/25 14:38	PB168234

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1100		20.9	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	1100		24.3	120	ug/Kg
99-09-2	3-Nitroaniline	480		33.2	120	ug/Kg
83-32-9	Acenaphthene	1100		15.4	120	ug/Kg
51-28-5	2,4-Dinitrophenol	1900		170	240	ug/Kg
100-02-7	4-Nitrophenol	1900		77.3	240	ug/Kg
132-64-9	Dibenzofuran	1000		16.4	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	1100		36.2	120	ug/Kg
84-66-2	Diethylphthalate	1000		20.4	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1000		19.3	120	ug/Kg
86-73-7	Fluorene	1000		18.3	120	ug/Kg
100-01-6	4-Nitroaniline	940		46.4	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1100		74.4	240	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1200		23.8	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1200		20.1	120	ug/Kg
118-74-1	Hexachlorobenzene	1100		18.3	120	ug/Kg
1912-24-9	Atrazine	1200		24.6	120	ug/Kg
87-86-5	Pentachlorophenol	2000	E	37.1	240	ug/Kg
85-01-8	Phenanthrene	1100		15.1	120	ug/Kg
120-12-7	Anthracene	1100		24.1	120	ug/Kg
86-74-8	Carbazole	1100		22.5	120	ug/Kg
84-74-2	Di-n-butylphthalate	1200		34.6	120	ug/Kg
206-44-0	Fluoranthene	1000		21.7	120	ug/Kg
129-00-0	Pyrene	780		26.0	120	ug/Kg
85-68-7	Butylbenzylphthalate	1100		51.6	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	660		26.5	240	ug/Kg
56-55-3	Benzo(a)anthracene	1100		16.6	120	ug/Kg
218-01-9	Chrysene	1100		14.4	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1200		42.8	120	ug/Kg
117-84-0	Di-n-octyl phthalate	1200		62.7	240	ug/Kg
205-99-2	Benzo(b)fluoranthene	1000		13.7	120	ug/Kg

Raw Data: **BF142606.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/29/25
Client Sample ID:	TP05-MHO-WCMSD	SDG No.:	Q2176
Lab Sample ID:	Q2159-01MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83
Sample Wt/Vol:	50.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142606.D	1	06/04/25 09:10	06/04/25 14:38	PB168234

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1100		16.2	120	ug/Kg
50-32-8	Benzo(a)pyrene	1100		21.3	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	870		21.0	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	890		19.8	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	800		18.6	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1100		18.5	120	ug/Kg
123-91-1	1,4-Dioxane	970		32.7	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	980		19.8	120	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	72.4		18 - 112	48%	SPK: 150
13127-88-3	Phenol-d6	72.8		15 - 107	49%	SPK: 150
4165-60-0	Nitrobenzene-d5	45.8		18 - 107	46%	SPK: 100
321-60-8	2-Fluorobiphenyl	45.1		20 - 109	45%	SPK: 100
118-79-6	2,4,6-Tribromophenol	65.3		10 - 116	44%	SPK: 150
1718-51-0	Terphenyl-d14	32.4		10 - 105	32%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	117000	6.898			
1146-65-2	Naphthalene-d8	430000	8.181			
15067-26-2	Acenaphthene-d10	207000	9.939			
1517-22-2	Phenanthrene-d10	290000	11.421			
1719-03-5	Chrysene-d12	208000	14.068			
1520-96-3	Perylene-d12	275000	15.562			

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

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

CALIBRATION SUMMARY

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF052025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue May 20 16:26:47 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BF142467.D 5 =BF142468.D 10 =BF142469.D 20 =BF142470.D 40 =BF142471.D 50 =BF142472.D 60 =BF142473.D 80 =BF1424
74.D

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

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

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

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

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

(#) = Out of Range

Response Factor Report BNA_F

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

Calibration Files
2.5 =BF142712.D 5.0 =BF142713.D 10 =BF142714.D 20 =BF142715.D 40 =BF142716.D 50 =BF142717.D 60 =BF142718.D 80 =BF1427
19.D

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

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

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

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

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

(#) = Out of Range

Response Factor Report MSBNA_P

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

Calibration Files
2.5 =BP024860.D 5 =BP024861.D 10 =BP024862.D 20 =BP024863.D 40 =BP024864.D 50 =BP024865.D 60 =BP024866.D 80 =BP0248
67.D

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

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

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

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

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

(#) = Out of Range

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2176 SAS No.: Q2176 SDG No.: Q2176

Instrument ID: BNA_F Calibration Date/Time: 06/04/2025 12:27

Lab File ID: BF142602.D Init. Calib. Date(s): 05/20/2025 05/20/2025

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

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.187	1.156		-2.6	
Benzaldehyde	0.859	0.791		-7.9	
Phenol-d6	1.429	1.374		-3.8	
Phenol	1.608	1.544		-4.0	20.0
bis(2-Chloroethyl)ether	1.157	1.116		-3.5	
2-Chlorophenol	1.293	1.243		-3.9	
2-Methylphenol	1.010	0.963		-4.7	
2,2-oxybis(1-Chloropropane)	1.944	1.855		-4.6	
Acetophenone	0.443	0.408		-7.9	
3+4-Methylphenols	1.293	1.188		-8.1	
n-Nitroso-di-n-propylamine	0.886	0.792	0.050	-10.6	
Nitrobenzene-d5	0.367	0.346		-5.7	
Hexachloroethane	0.507	0.474		-6.5	
Nitrobenzene	0.331	0.315		-4.8	
Isophorone	0.613	0.561		-8.5	
2-Nitrophenol	0.177	0.169		-4.5	20.0
2,4-Dimethylphenol	0.312	0.296		-5.1	
bis(2-Chloroethoxy)methane	0.383	0.360		-6.0	
2,4-Dichlorophenol	0.283	0.274		-3.2	20.0
Naphthalene	0.985	0.937		-4.9	
4-Chloroaniline	0.399	0.381		-4.5	
Hexachlorobutadiene	0.192	0.178		-7.3	20.0
Caprolactam	0.080	0.075		-6.3	
4-Chloro-3-methylphenol	0.291	0.269		-7.6	20.0
2-Methylnaphthalene	0.620	0.571		-7.9	
Hexachlorocyclopentadiene	0.387	0.343	0.050	-11.4	
2,4,6-Trichlorophenol	0.387	0.373		-3.6	20.0
2-Fluorobiphenyl	1.490	1.357		-8.9	
2,4,5-Trichlorophenol	0.408	0.387		-5.1	
1,1-Biphenyl	1.552	1.460		-5.9	
2-Chloronaphthalene	1.146	1.090		-4.9	
2-Nitroaniline	0.331	0.319		-3.6	
Dimethylphthalate	1.320	1.228		-7.0	
Acenaphthylene	1.936	1.834		-5.3	
2,6-Dinitrotoluene	0.285	0.272		-4.6	
3-Nitroaniline	0.311	0.305		-1.9	
Acenaphthene	1.182	1.107		-6.3	20.0
2,4-Dinitrophenol	0.147	0.132	0.050	-10.2	
4-Nitrophenol	0.230	0.211	0.050	-8.3	

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2176 SAS No.: Q2176 SDG No.: Q2176

Instrument ID: BNA_F Calibration Date/Time: 06/04/2025 12:27

Lab File ID: BF142602.D Init. Calib. Date(s): 05/20/2025 05/20/2025

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

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.701	1.600		-5.9	
2,4-Dinitrotoluene	0.372	0.358		-3.8	
Diethylphthalate	1.289	1.171		-9.2	
4-Chlorophenyl-phenylether	0.646	0.593		-8.2	
Fluorene	1.314	1.236		-5.9	
4-Nitroaniline	0.282	0.275		-2.5	
4,6-Dinitro-2-methylphenol	0.112	0.111		-0.9	
n-Nitrosodiphenylamine	0.684	0.648		-5.3	20.0
2,4,6-Tribromophenol	0.222	0.201		-9.5	
4-Bromophenyl-phenylether	0.236	0.221		-6.4	
Hexachlorobenzene	0.262	0.247		-5.7	
Atrazine	0.182	0.171		-6.0	
Pentachlorophenol	0.148	0.133		-10.1	20.0
Phenanthrene	1.069	1.000		-6.5	
Anthracene	1.091	1.035		-5.1	
Carbazole	0.933	0.886		-5.0	
Di-n-butylphthalate	1.021	0.914		-10.5	
Fluoranthene	0.999	0.923		-7.6	20.0
Pyrene	1.866	1.749		-6.3	
Terphenyl-d14	1.464	1.299		-11.3	
Butylbenzylphthalate	0.516	0.522		1.2	
3,3-Dichlorobenzidine	0.405	0.435		7.4	
Benzo(a)anthracene	1.336	1.239		-7.3	
Chrysene	1.200	1.139		-5.1	
Bis(2-ethylhexyl)phthalate	0.660	0.755		14.4	
Di-n-octyl phthalate	1.290	1.401		8.6	20.0
Benzo(b)fluoranthene	1.184	1.206		1.9	
Benzo(k)fluoranthene	1.109	0.924		-16.7	
Benzo(a)pyrene	1.116	1.062		-4.8	20.0
Indeno(1,2,3-cd)pyrene	1.501	1.347		-10.3	
Dibenzo(a,h)anthracene	1.218	1.086		-10.8	
Benzo(g,h,i)perylene	1.218	1.074		-11.8	
1,2,4,5-Tetrachlorobenzene	0.574	0.556		-3.1	
1,4-Dioxane	0.475	0.476		0.2	20.0
2,3,4,6-Tetrachlorophenol	0.341	0.321		-5.9	

All other compounds must meet a minimum RRF of 0.010.

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2176 SAS No.: Q2176 SDG No.: Q2176

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

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

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

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

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

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2176 SAS No.: Q2176 SDG No.: Q2176

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

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

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

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

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

All other compounds must meet a minimum RRF of 0.010.

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2176 SAS No.: Q2176 SDG No.: Q2176

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

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

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

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

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

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2176 SAS No.: Q2176 SDG No.: Q2176

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

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

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

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

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

All other compounds must meet a minimum RRF of 0.010.

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2176 SAS No.: Q2176 SDG No.: Q2176

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

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

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

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

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

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2176 SAS No.: Q2176 SDG No.: Q2176

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

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

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

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

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

All other compounds must meet a minimum RRF of 0.010.

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2176 SAS No.: Q2176 SDG No.: Q2176

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

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

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

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

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

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2176 SAS No.: Q2176 SDG No.: Q2176

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

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

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

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

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

All other compounds must meet a minimum RRF of 0.010.

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2176 SAS No.: Q2176 SDG No.: Q2176

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

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

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

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

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

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2176 SAS No.: Q2176 SDG No.: Q2176

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

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

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

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

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

All other compounds must meet a minimum RRF of 0.010.

SAMPLE RAW DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142661.D
Acq On : 06 Jun 2025 22:31
Operator : RC/JU
Sample : Q2176-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-46

Quant Time: Jun 07 00:37:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

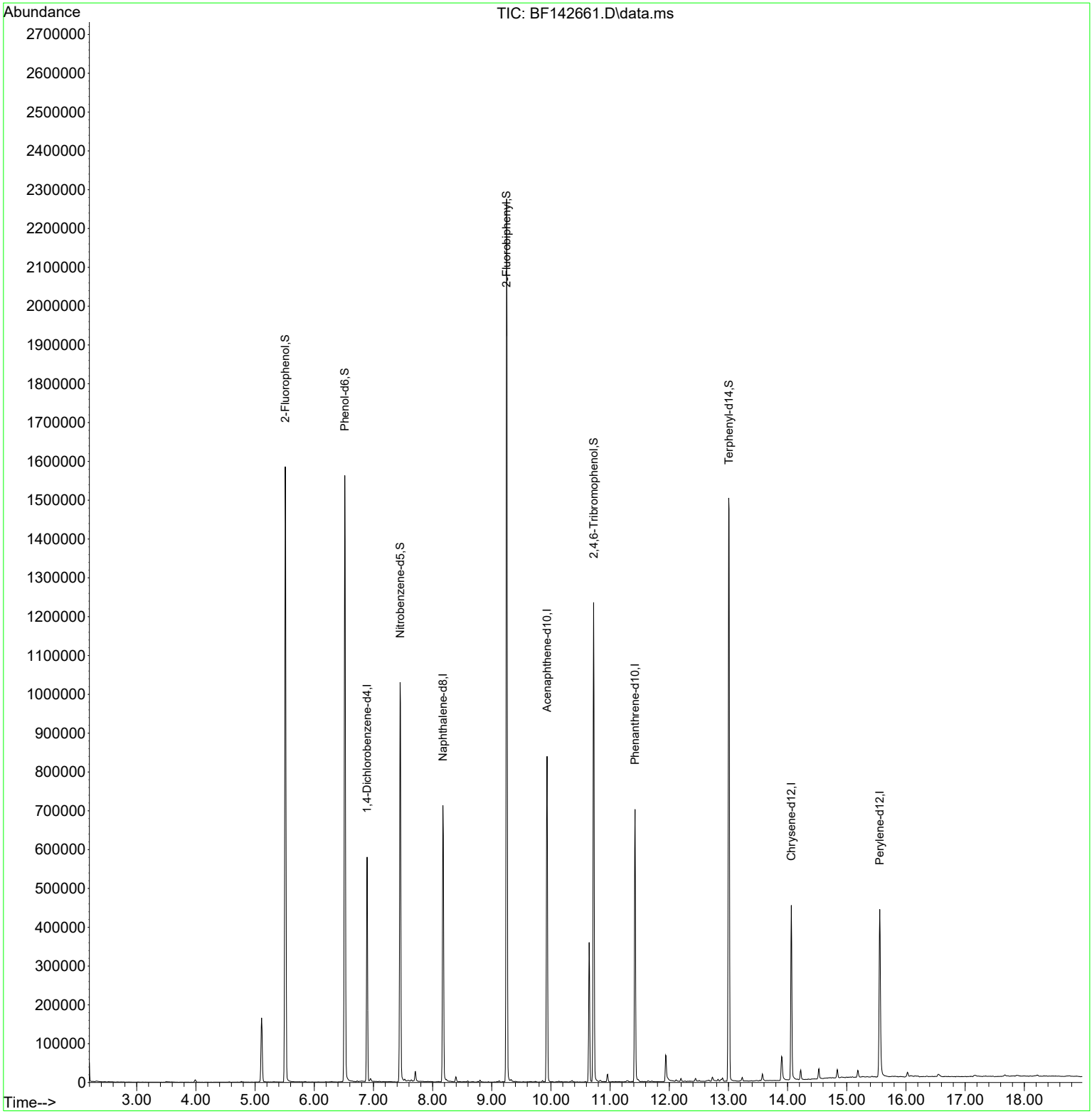
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	124234	20.000	ng	-0.01
21) Naphthalene-d8	8.175	136	473472	20.000	ng	-0.01
39) Acenaphthene-d10	9.934	164	251337	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	378800	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	233380	20.000	ng	-0.01
86) Perylene-d12	15.557	264	269073	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	621093	84.227	ng	0.00
7) Phenol-d6	6.516	99	759087	85.516	ng	-0.02
23) Nitrobenzene-d5	7.451	82	459762	52.950	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	222131	79.630	ng	-0.02
45) 2-Fluorobiphenyl	9.251	172	1043333	55.702	ng	-0.02
79) Terphenyl-d14	13.010	244	777820	45.545	ng	0.00
Target Compounds						Qvalue

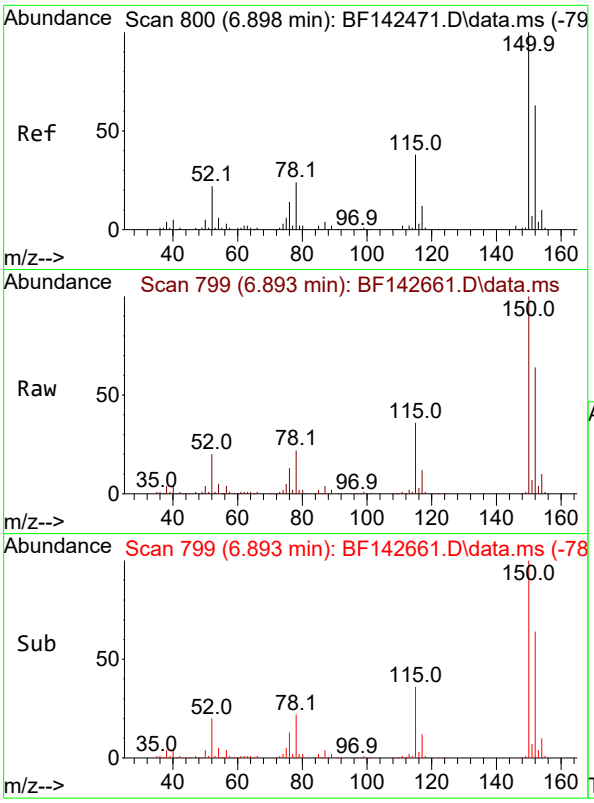
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142661.D
Acq On : 06 Jun 2025 22:31
Operator : RC/JU
Sample : Q2176-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-46

Quant Time: Jun 07 00:37:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration



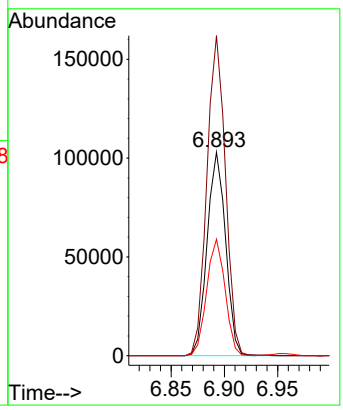


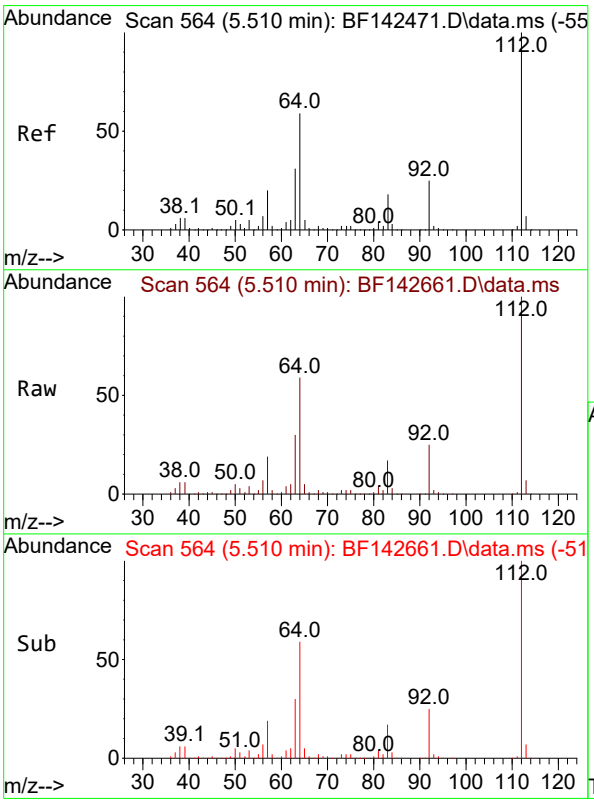
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 7
Delta R.T. -0.011 min
Lab File: BF142661.D
Acq: 06 Jun 2025 22:31

Instrument :
BNA_F
ClientSampleId :
TP-46

Tgt Ion:152 Resp: 124234

Ion	Ratio	Lower	Upper
152	100		
150	157.2	128.2	192.4
115	57.2	48.3	72.5

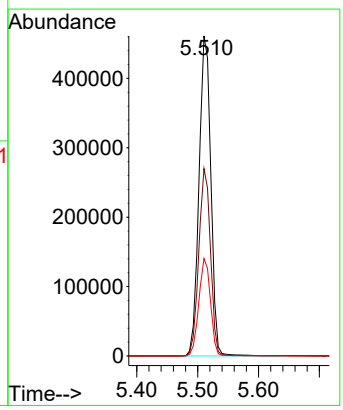


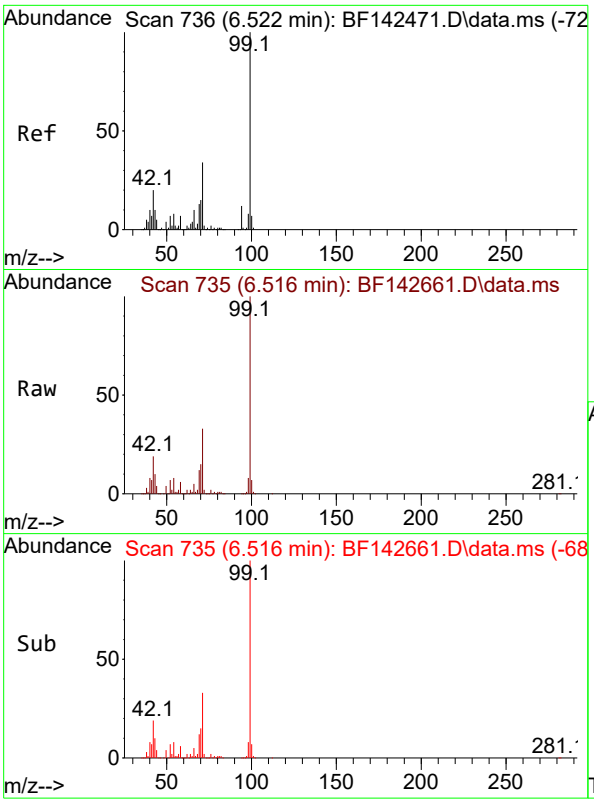


#5
2-Fluorophenol
Concen: 84.227 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.006 min
Lab File: BF142661.D
Acq: 06 Jun 2025 22:31

Tgt Ion:112 Resp: 621093

Ion	Ratio	Lower	Upper
112	100		
64	58.6	47.5	71.3
63	30.5	24.9	37.3



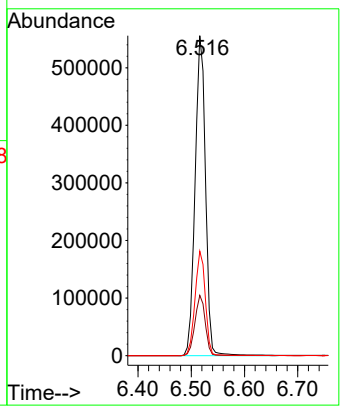


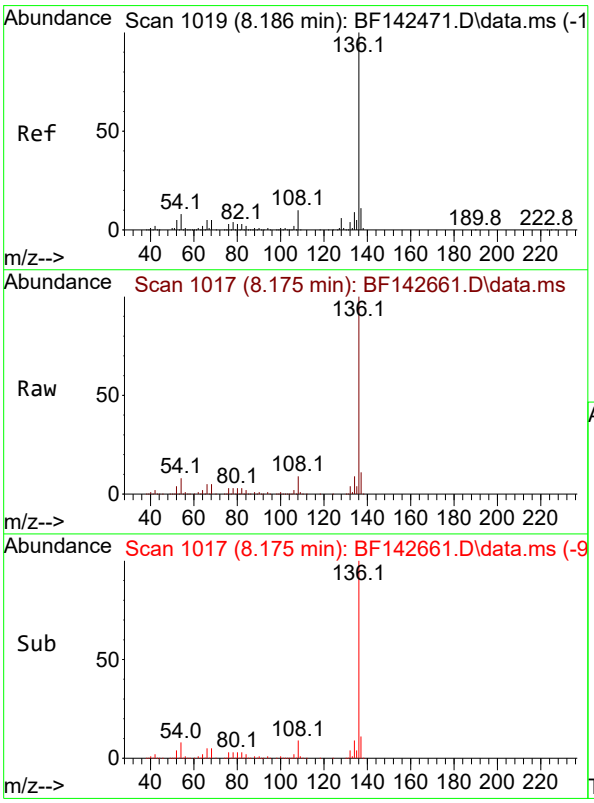
#7
Phenol-d6
Concen: 85.516 ng
RT: 6.516 min Scan# 7
Delta R.T. -0.017 min
Lab File: BF142661.D
Acq: 06 Jun 2025 22:31

Instrument :
BNA_F
ClientSampleId :
TP-46

Tgt Ion: 99 Resp: 759087

Ion	Ratio	Lower	Upper
99	100		
42	18.8	16.2	24.2
71	32.7	27.3	40.9

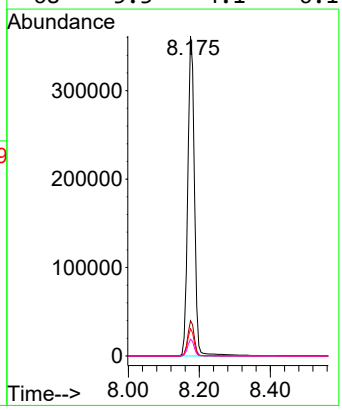


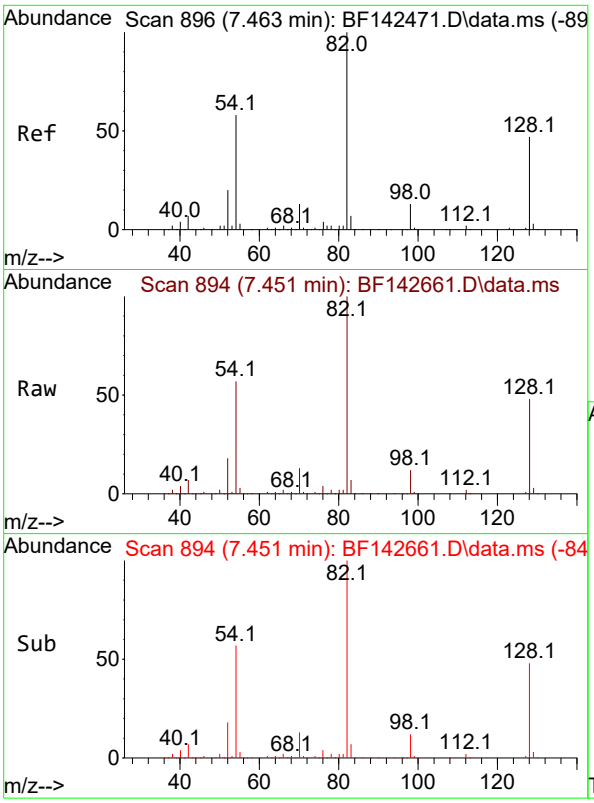


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF142661.D
Acq: 06 Jun 2025 22:31

Tgt Ion:136 Resp: 473472

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	8.5	6.6	10.0
68	5.3	4.1	6.1



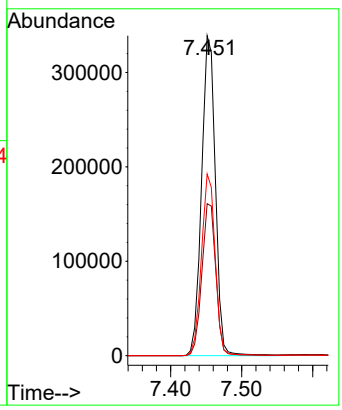


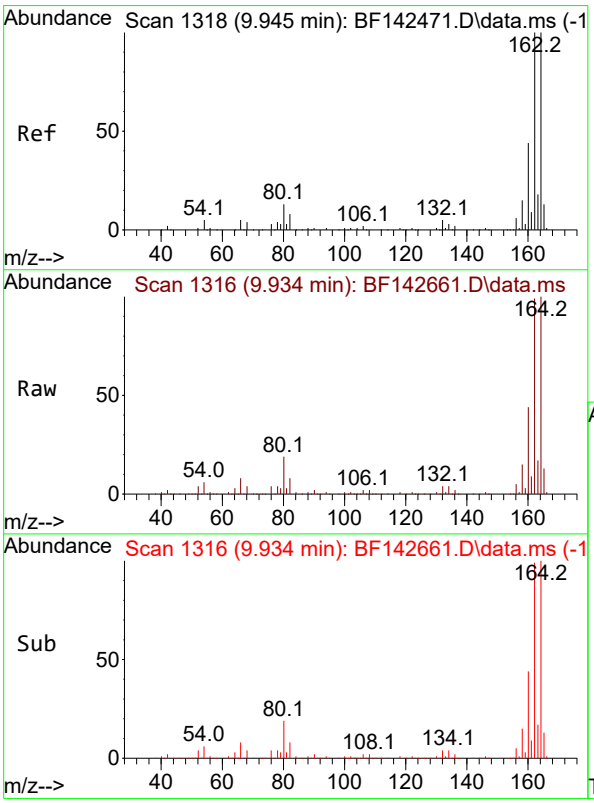
#23
Nitrobenzene-d5
Concen: 52.950 ng
RT: 7.451 min Scan# 8
Delta R.T. -0.023 min
Lab File: BF142661.D
Acq: 06 Jun 2025 22:31

Instrument :
BNA_F
ClientSampleId :
TP-46

Tgt Ion: 82 Resp: 459762

Ion	Ratio	Lower	Upper
82	100		
128	47.5	37.4	56.2
54	56.8	46.6	70.0

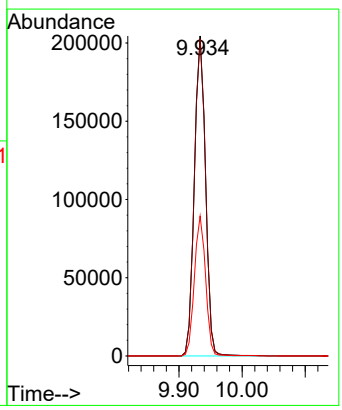


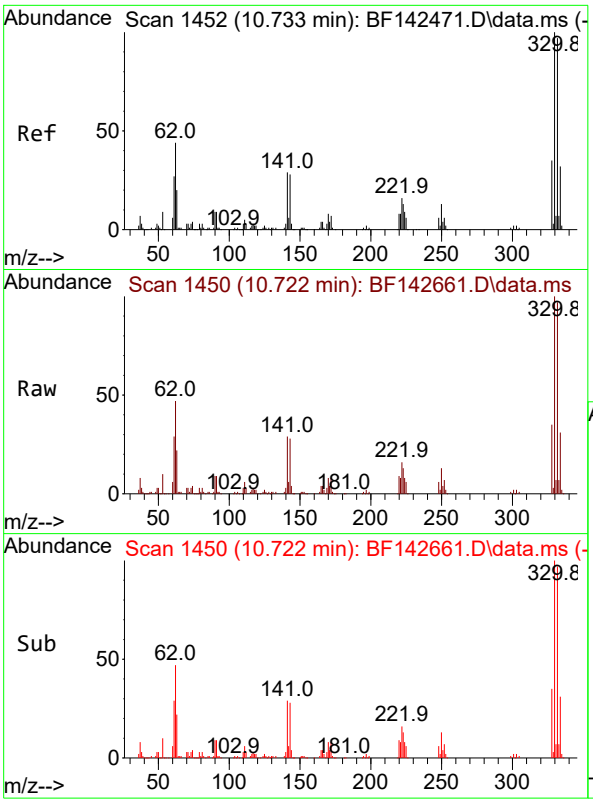


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.934 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142661.D
Acq: 06 Jun 2025 22:31

Tgt Ion:164 Resp: 251337

Ion	Ratio	Lower	Upper
164	100		
162	99.1	80.2	120.4
160	43.7	35.6	53.4



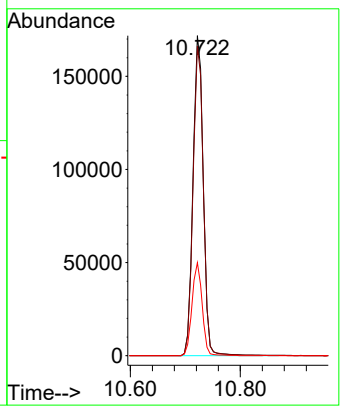


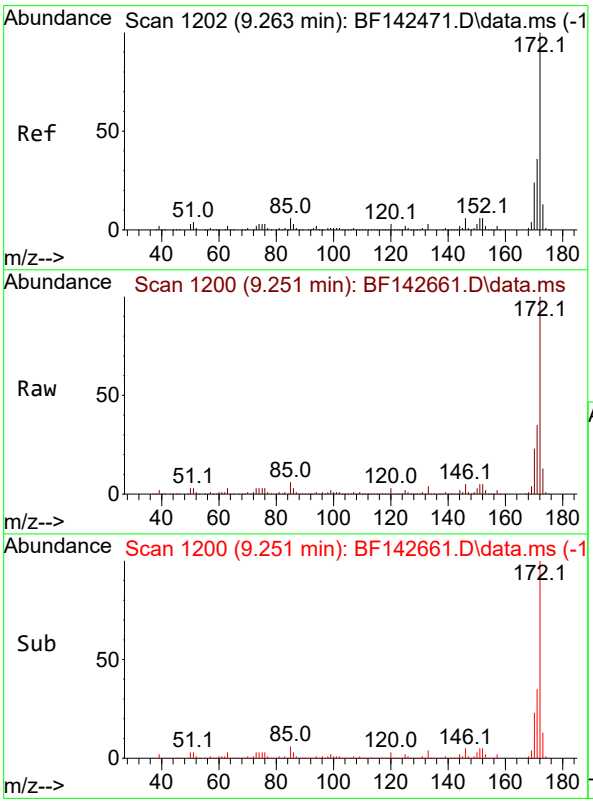
#42
2,4,6-Tribromophenol
Concen: 79.630 ng
RT: 10.722 min Scan# 14
Delta R.T. -0.017 min
Lab File: BF142661.D
Acq: 06 Jun 2025 22:31

Instrument :
BNA_F
ClientSampleId :
TP-46

Tgt Ion:330 Resp: 222131

Ion	Ratio	Lower	Upper
330	100		
332	97.4	77.6	116.4
141	28.8	24.6	36.8

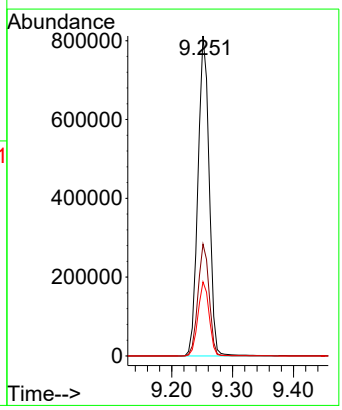


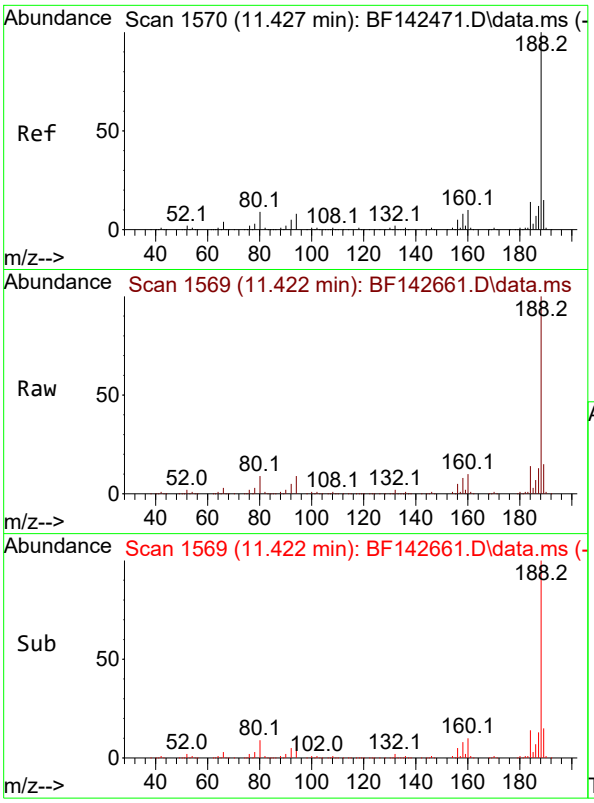


#45
2-Fluorobiphenyl
Concen: 55.702 ng
RT: 9.251 min Scan# 1200
Delta R.T. -0.017 min
Lab File: BF142661.D
Acq: 06 Jun 2025 22:31

Tgt Ion:172 Resp: 1043333

Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.6	42.8
170	23.2	18.9	28.3



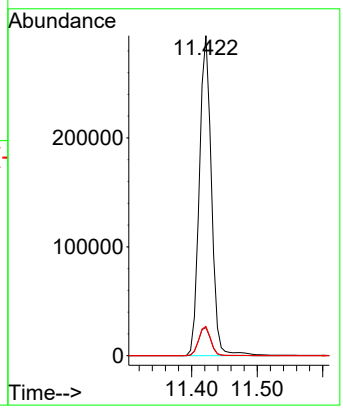


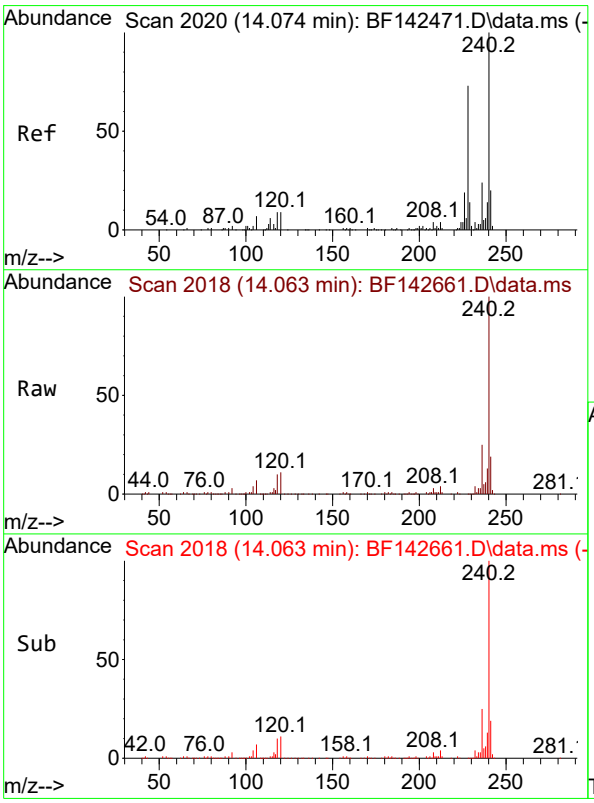
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142661.D
Acq: 06 Jun 2025 22:31

Instrument :
BNA_F
ClientSampleId :
TP-46

Tgt Ion:188 Resp: 378800

Ion	Ratio	Lower	Upper
188	100		
94	8.8	6.6	10.0
80	9.2	7.4	11.0

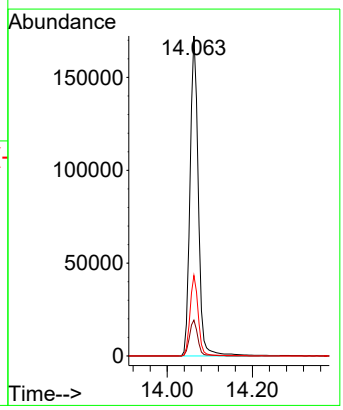


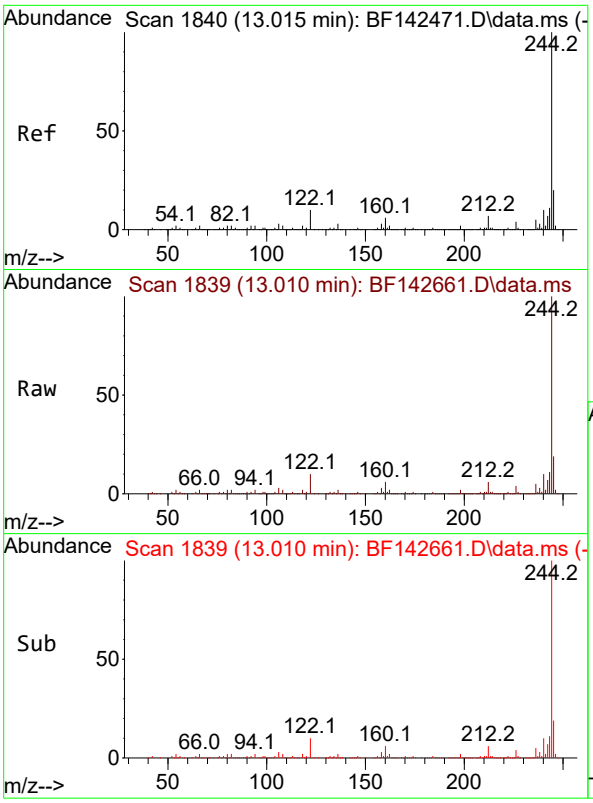


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF142661.D
Acq: 06 Jun 2025 22:31

Tgt Ion:240 Resp: 233380

Ion	Ratio	Lower	Upper
240	100		
120	11.2	7.5	11.3
236	25.2	19.6	29.4



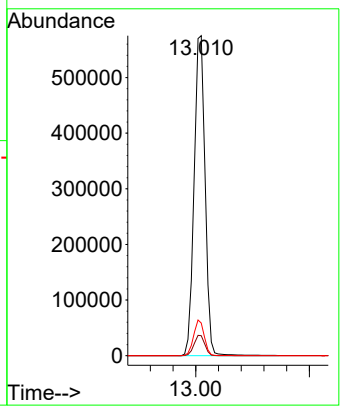


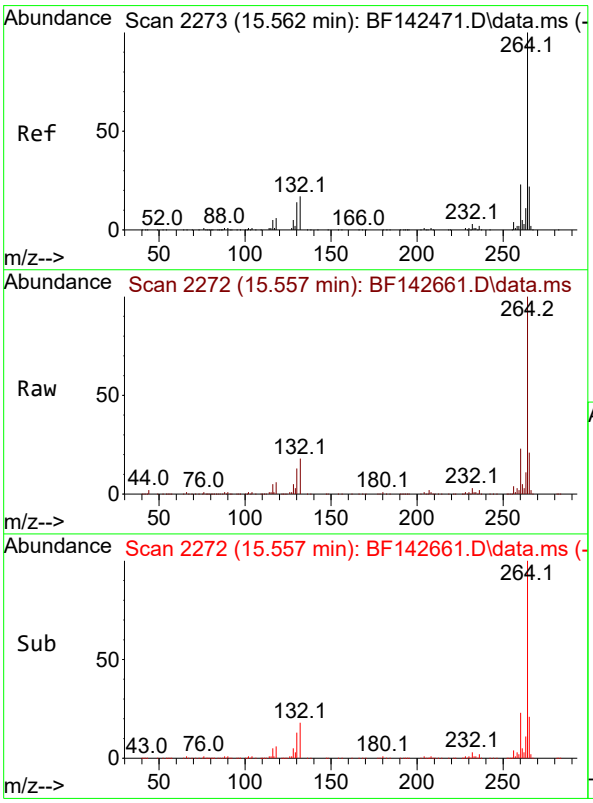
#79
Terphenyl-d14
Concen: 45.545 ng
RT: 13.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142661.D
Acq: 06 Jun 2025 22:31

Instrument :
BNA_F
ClientSampleId :
TP-46

Tgt Ion:244 Resp: 777820

Ion	Ratio	Lower	Upper
244	100		
212	6.2	5.3	7.9
122	10.2	8.2	12.2

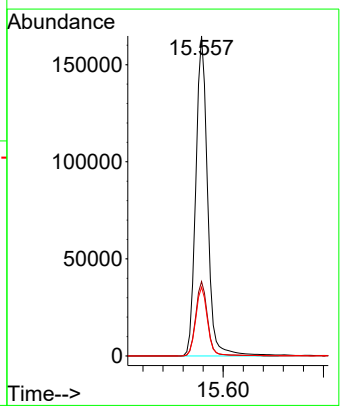




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 2272
Delta R.T. -0.012 min
Lab File: BF142661.D
Acq: 06 Jun 2025 22:31

Tgt Ion:264 Resp: 269073

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.6	28.0
265	21.5	17.7	26.5



Sample Results: **BF142661.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142661.D
Acq On : 06 Jun 2025 22:31
Operator : RC/JU
Sample : Q2176-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-46

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

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

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

Signal : TIC: BF142661.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.110	485	496	509	rBV	165531	246975	8.59%	1.373%
2	5.510	558	564	584	rBV	1585297	2114813	73.52%	11.760%
3	6.516	729	735	755	rBV	1561010	2142113	74.47%	11.912%
4	6.893	794	799	804	rBV	577928	699517	24.32%	3.890%
5	7.451	888	894	904	rBV	1029227	1394663	48.48%	7.755%
6	7.710	933	938	950	rVB	25651	38723	1.35%	0.215%
7	8.175	1012	1017	1025	rBV	712225	908382	31.58%	5.051%
8	9.251	1194	1200	1205	rBV	2274921	2876662	100.00%	15.997%
9	9.934	1311	1316	1327	rVB	838628	1028683	35.76%	5.720%
10	10.645	1432	1437	1444	rBV	359961	440099	15.30%	2.447%
11	10.722	1445	1450	1464	rVB	1234599	1580957	54.96%	8.791%
12	11.422	1564	1569	1577	rBV	701615	891916	31.01%	4.960%
13	11.939	1651	1657	1671	rBV2	68411	120005	4.17%	0.667%
14	13.004	1833	1838	1844	rBV	1502233	2004201	69.67%	11.145%
15	13.898	1985	1990	2003	rBV	61756	108856	3.78%	0.605%
16	14.063	2010	2018	2033	rBV	449973	602024	20.93%	3.348%
17	14.222	2040	2045	2052	rBV	24955	33362	1.16%	0.186%
18	14.527	2092	2097	2106	rBV	25726	37717	1.31%	0.210%
19	15.557	2266	2272	2286	rBV	431175	713266	24.79%	3.966%

Sum of corrected areas: 17982934

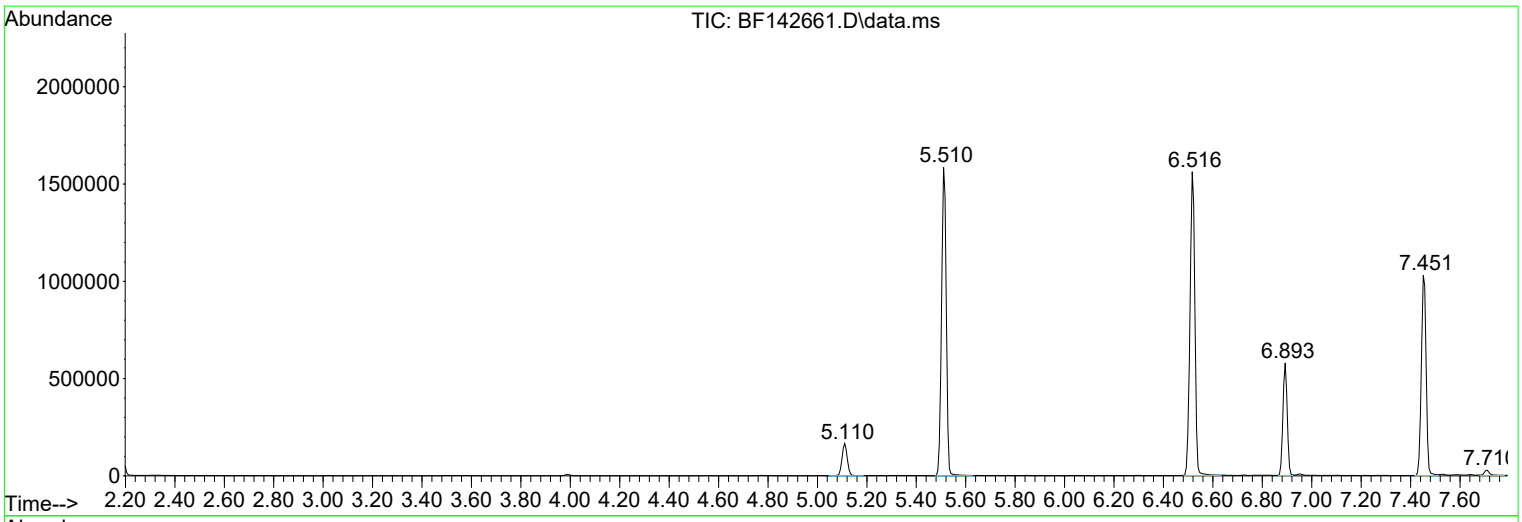
Sample Results: **BF142661.D**

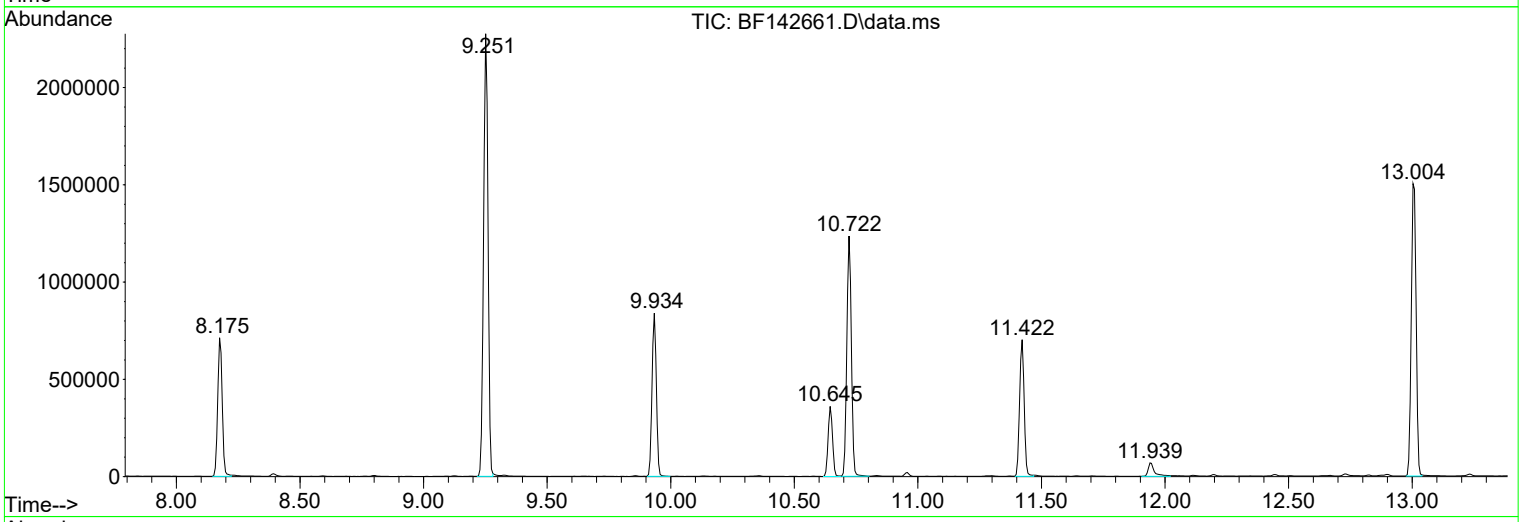
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142661.D
Acq On : 06 Jun 2025 22:31
Operator : RC/JU
Sample : Q2176-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

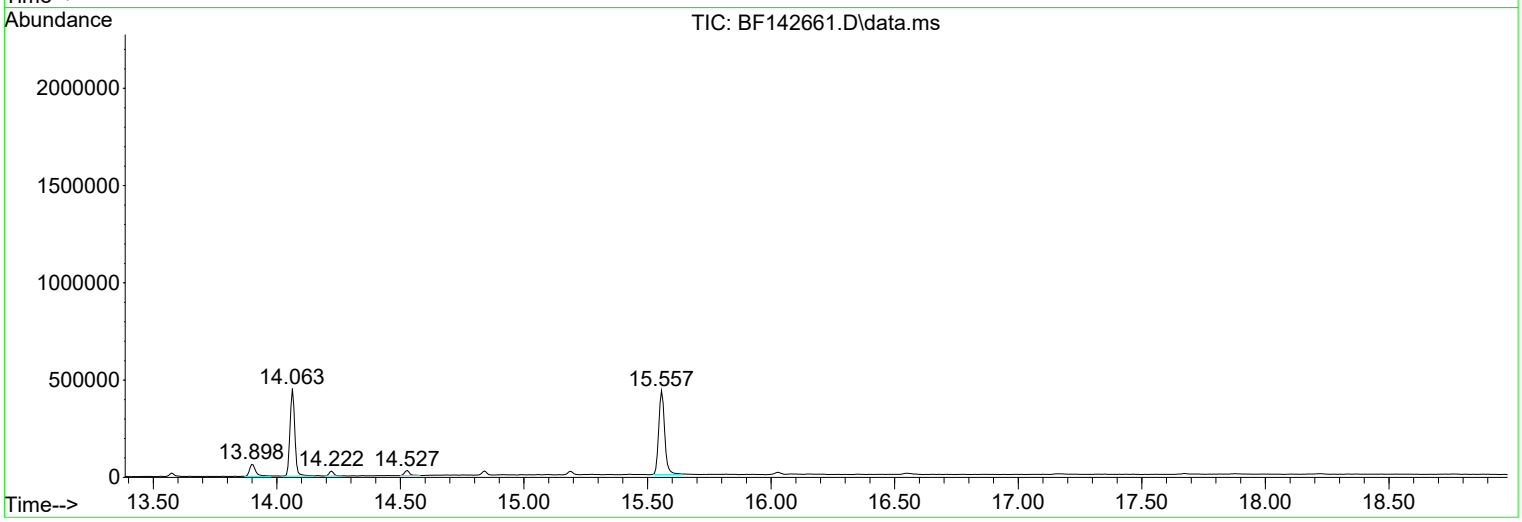
Instrument :
BNA_F
ClientSampleId :
TP-46

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

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







Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142661.D
Acq On : 06 Jun 2025 22:31
Operator : RC/JU
Sample : Q2176-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-46

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

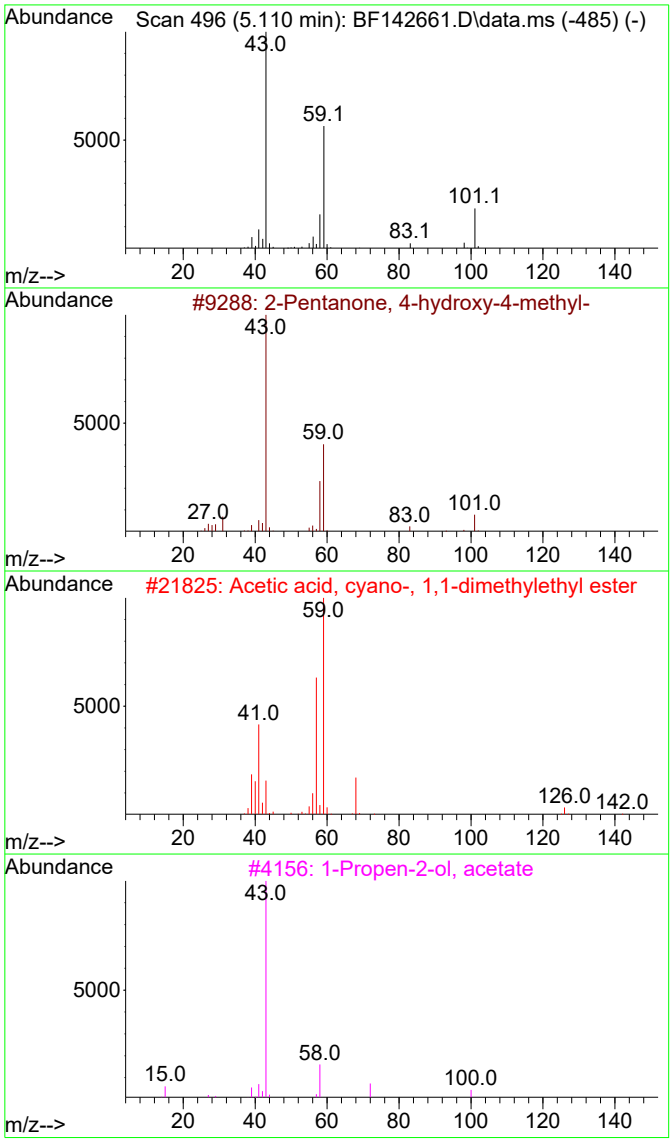
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

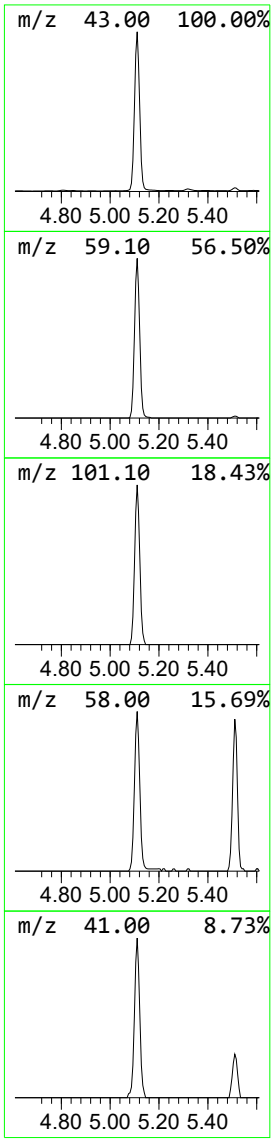
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.110	7.06 ng	246975	1,4-Dichlorobenzene-d4	6.893

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	45
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12
4	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	9
5	Ethanol, pentamethyl-	116	C7H16O	000594-83-2	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142661.D
Acq On : 06 Jun 2025 22:31
Operator : RC/JU
Sample : Q2176-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-46

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

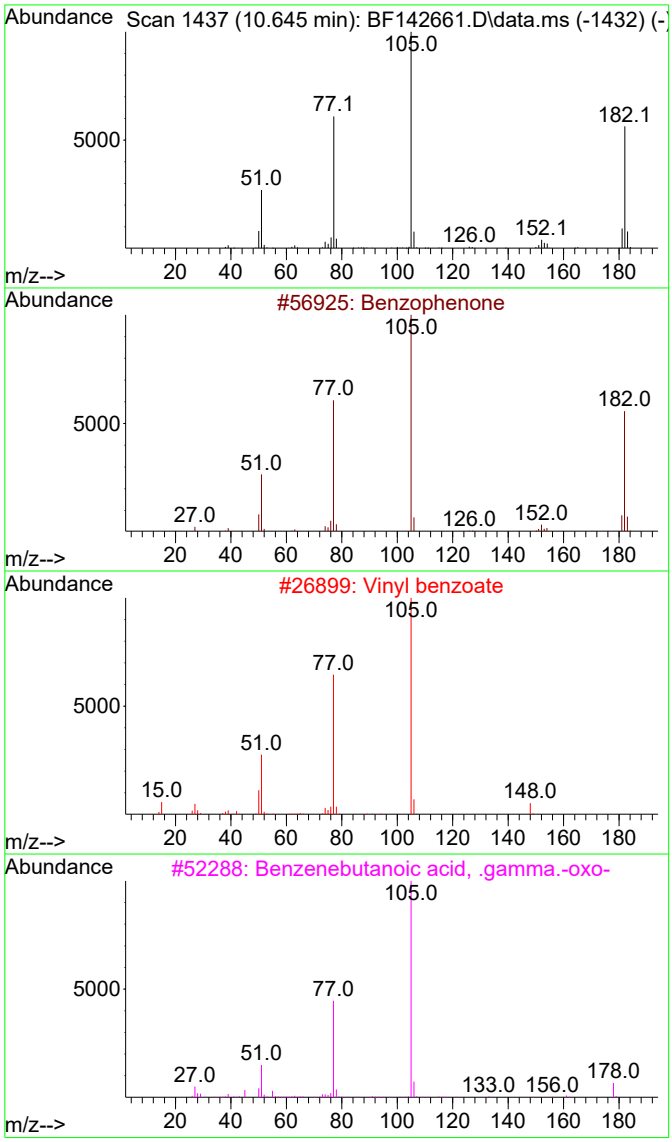
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

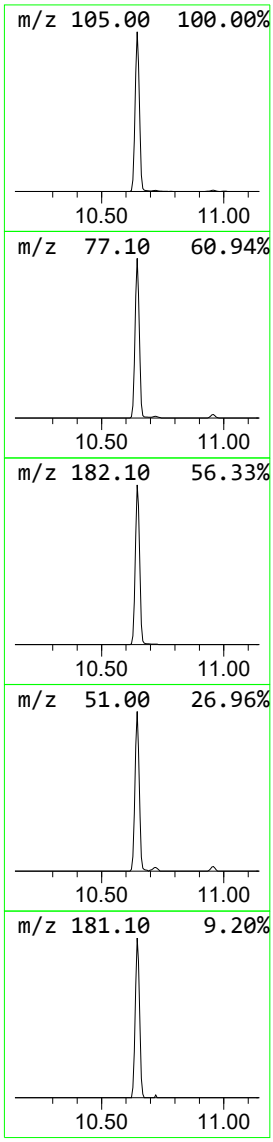
****

Peak Number 2 Benzophenone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.645	8.56 ng	440099	Acenaphthene-d10	9.934

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Vinyl benzoate	148	C9H8O2	000769-78-8	47
3	Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	47
4	N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	47
5	Ethanone, 2-bromo-1,2-diphenyl-	274	C14H11BrO	001484-50-0	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142661.D
Acq On : 06 Jun 2025 22:31
Operator : RC/JU
Sample : Q2176-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-46

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

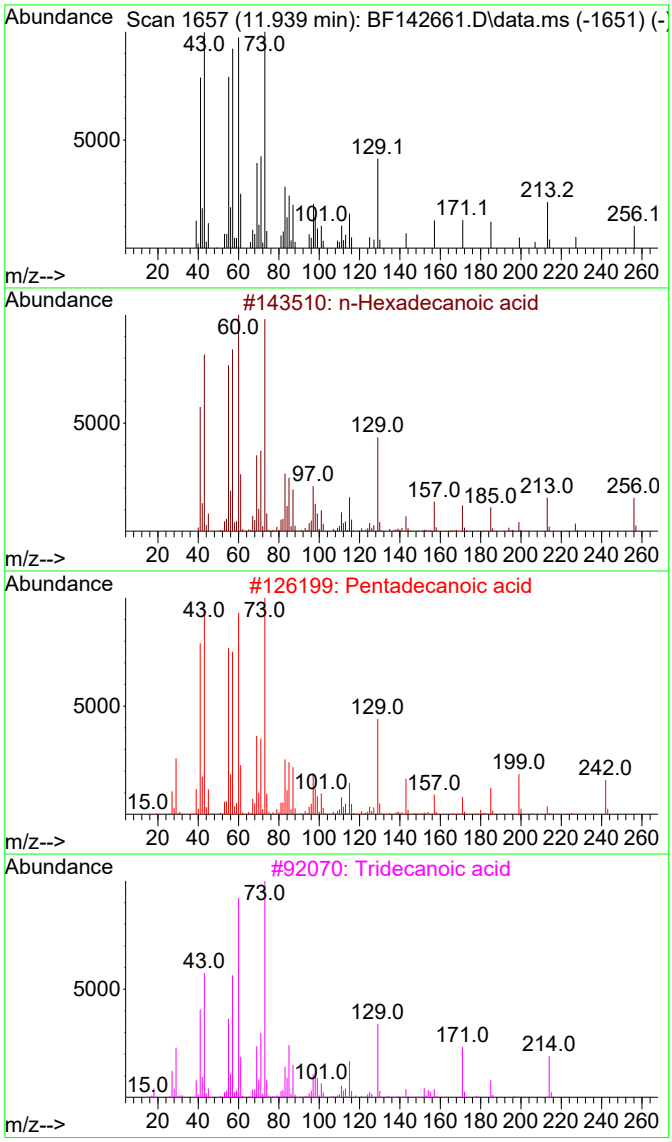
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

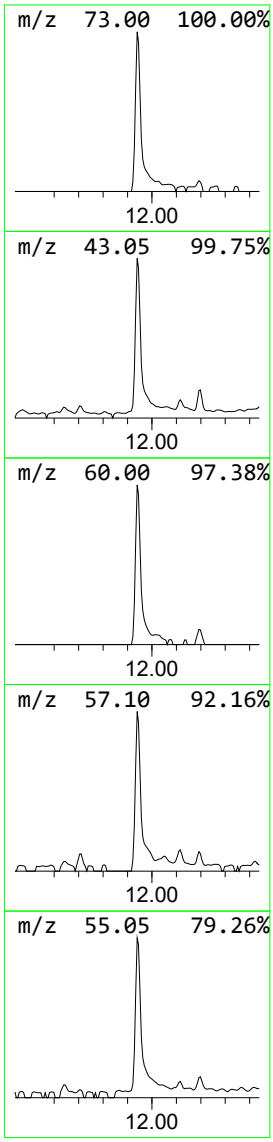
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.939	2.69 ng	120005	Phenanthrene-d10	11.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
3	Tridecanoic acid	214	C13H26O2	000638-53-9	81
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	80
5	n-Decanoic acid	172	C10H20O2	000334-48-5	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142661.D
Acq On : 06 Jun 2025 22:31
Operator : RC/JU
Sample : Q2176-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-46

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

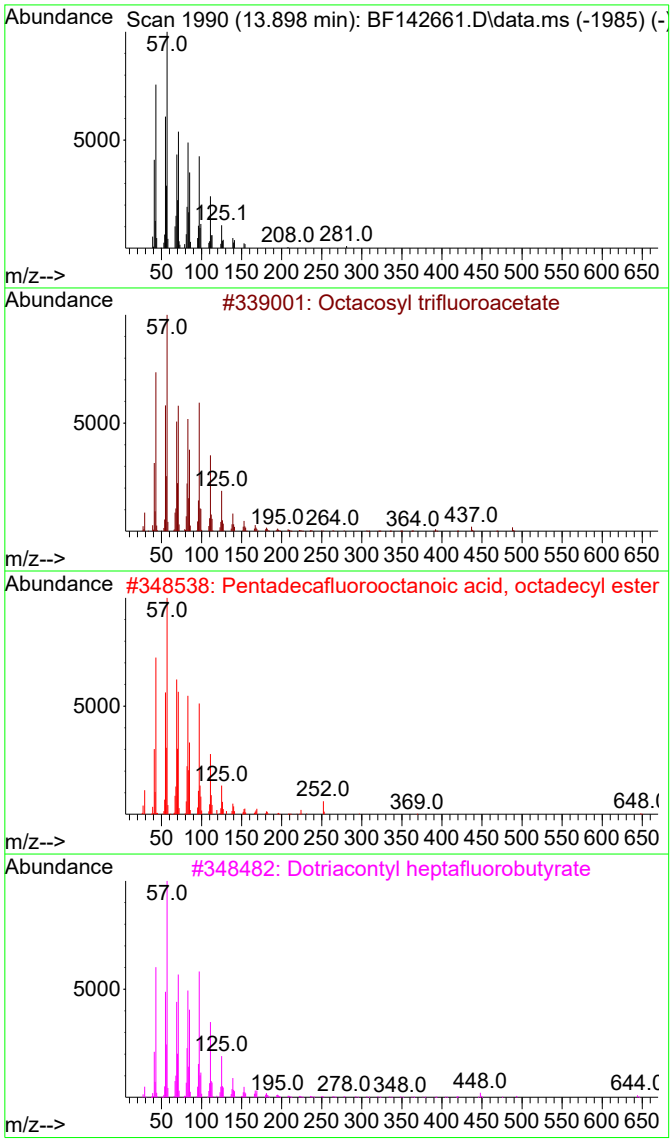
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

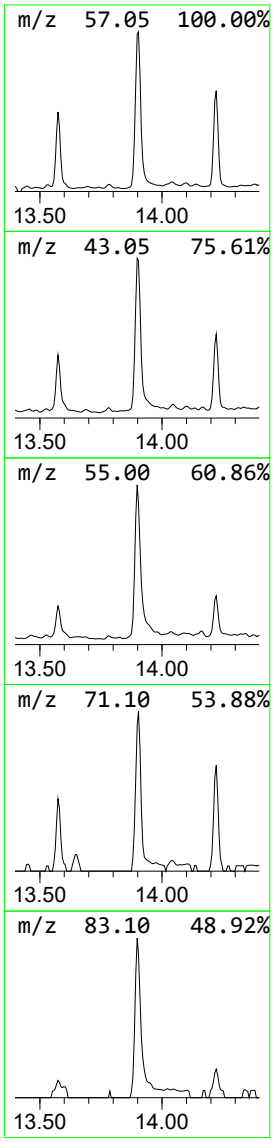
****

Peak Number 4 Octacosyl trifluoroacetate Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.898	3.62 ng	108856	Chrysene-d12	14.063

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosyl trifluoroacetate	506	C30H57F3O2	1000351-74-9	91
2	Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	91
3	Dotriacontyl heptafluorobutyrate	662	C36H65F7O2	1000351-84-2	91
4	Hexacosyl heptafluorobutyrate	578	C30H53F7O2	1000351-83-3	91
5	Tricosyl pentafluoropropionate	486	C26H47F5O2	1000351-81-0	91





Sample Results: **BF142661.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142661.D
Acq On : 06 Jun 2025 22:31
Operator : RC/JU
Sample : Q2176-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-46

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

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-...	5.110	7.1	ng	246975	1	6.893	699517	20.0
Benzophenone	10.645	8.6	ng	440099	3	9.934	1028680	20.0
n-Hexadecanoic ...	11.939	2.7	ng	120005	4	11.422	891916	20.0
Octacosyl trifl...	13.898	3.6	ng	108856	5	14.063	602024	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061225\
Data File : BF142757.D
Acq On : 12 Jun 2025 14:58
Operator : RC/JU
Sample : Q2176-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-56

Quant Time: Jun 12 15:23:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 11 05:56:09 2025
Response via : Initial Calibration

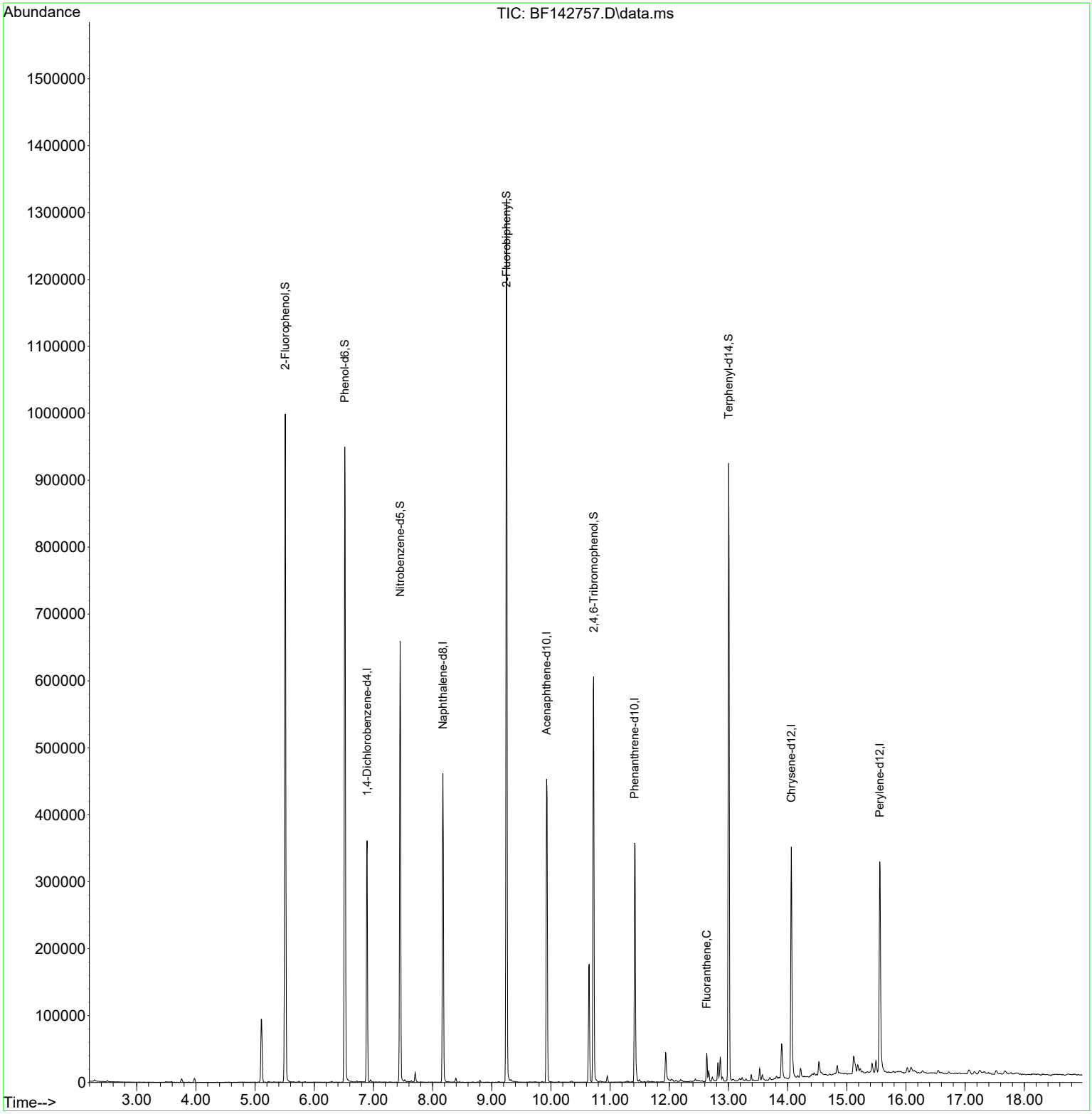
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	80751	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	294826	20.000	ng	0.00
39) Acenaphthene-d10	9.927	164	141230	20.000	ng	-0.01
64) Phenanthrene-d10	11.416	188	198627	20.000	ng	0.00
76) Chrysene-d12	14.063	240	163027	20.000	ng	0.00
86) Perylene-d12	15.557	264	189069	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	378394	79.808	ng	0.00
7) Phenol-d6	6.516	99	443079	79.408	ng	0.00
23) Nitrobenzene-d5	7.451	82	275911	51.217	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	107640	69.541	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	602258	56.655	ng	0.00
79) Terphenyl-d14	13.004	244	445566	37.537	ng	0.00
Target Compounds						Qvalue
75) Fluoranthene	12.633	202	25268	2.497	ng	99

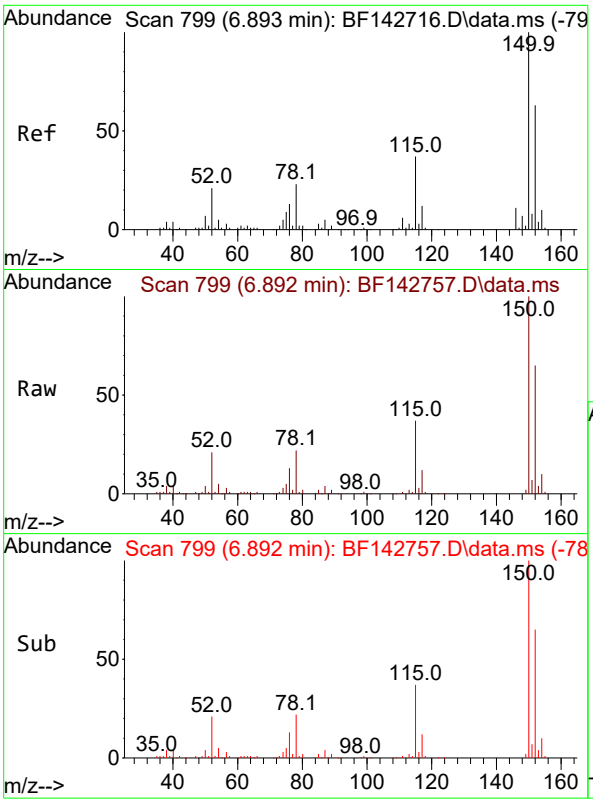
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061225\
Data File : BF142757.D
Acq On : 12 Jun 2025 14:58
Operator : RC/JU
Sample : Q2176-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-56

Quant Time: Jun 12 15:23:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 11 05:56:09 2025
Response via : Initial Calibration



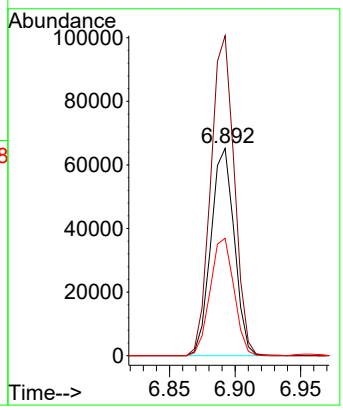


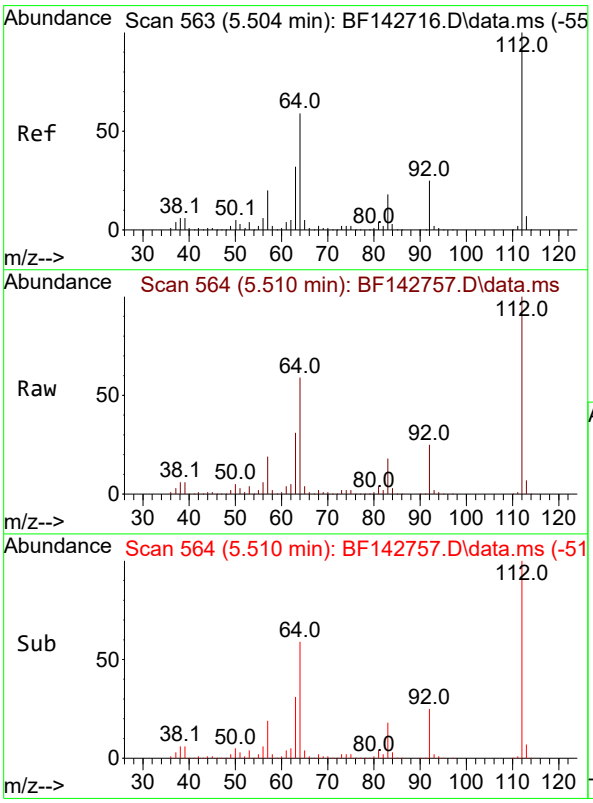
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 7
Delta R.T. -0.001 min
Lab File: BF142757.D
Acq: 12 Jun 2025 14:58

Instrument :
BNA_F
ClientSampleId :
TP-56

Tgt Ion:152 Resp: 80751

Ion	Ratio	Lower	Upper
152	100		
150	154.3	126.9	190.3
115	56.6	47.0	70.6

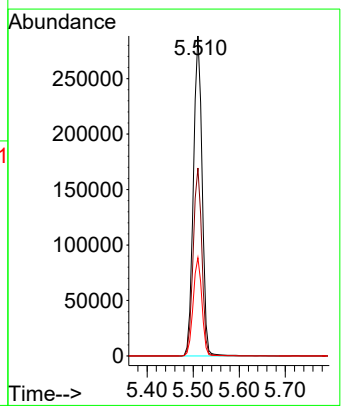


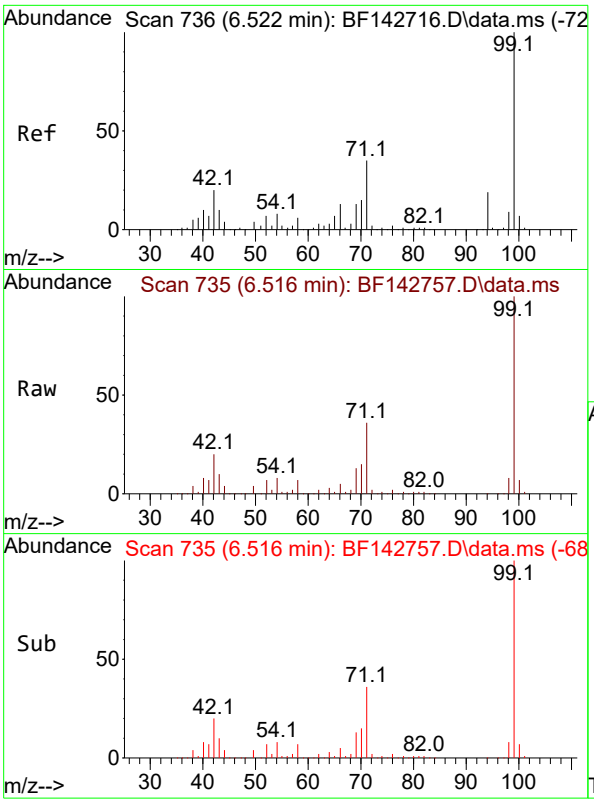


#5
2-Fluorophenol
Concen: 79.808 ng
RT: 5.510 min Scan# 564
Delta R.T. 0.006 min
Lab File: BF142757.D
Acq: 12 Jun 2025 14:58

Tgt Ion:112 Resp: 378394

Ion	Ratio	Lower	Upper
112	100		
64	58.7	47.4	71.2
63	30.7	25.4	38.0



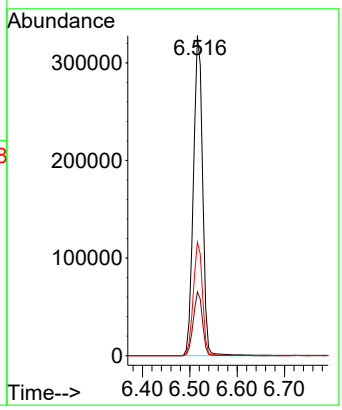


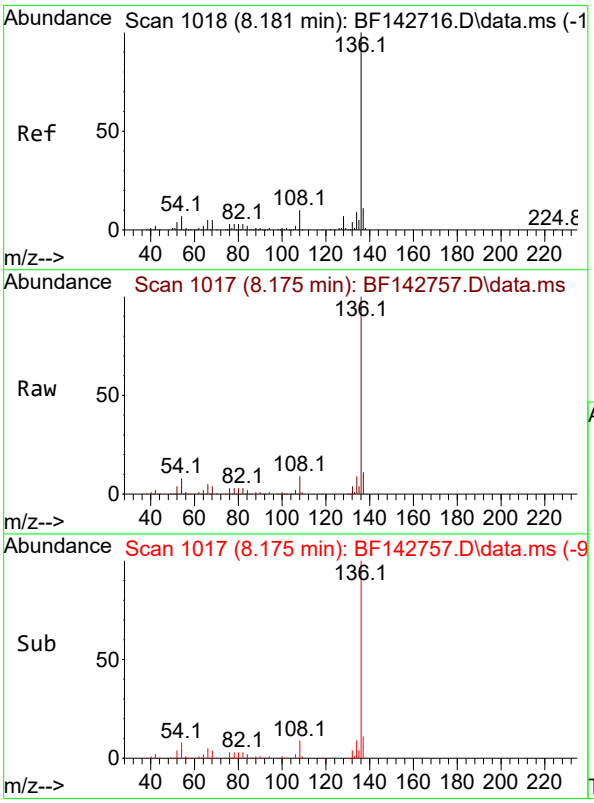
#7
Phenol-d6
Concen: 79.408 ng
RT: 6.516 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142757.D
Acq: 12 Jun 2025 14:58

Instrument :
BNA_F
ClientSampleId :
TP-56

Tgt Ion: 99 Resp: 443079

Ion	Ratio	Lower	Upper
99	100		
42	20.0	15.9	23.9
71	35.5	28.0	42.0

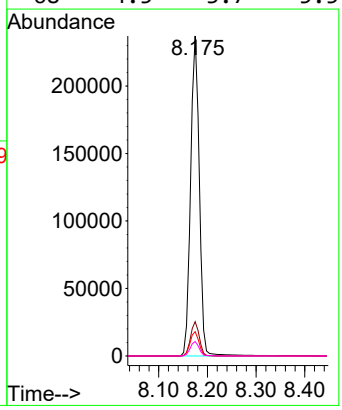


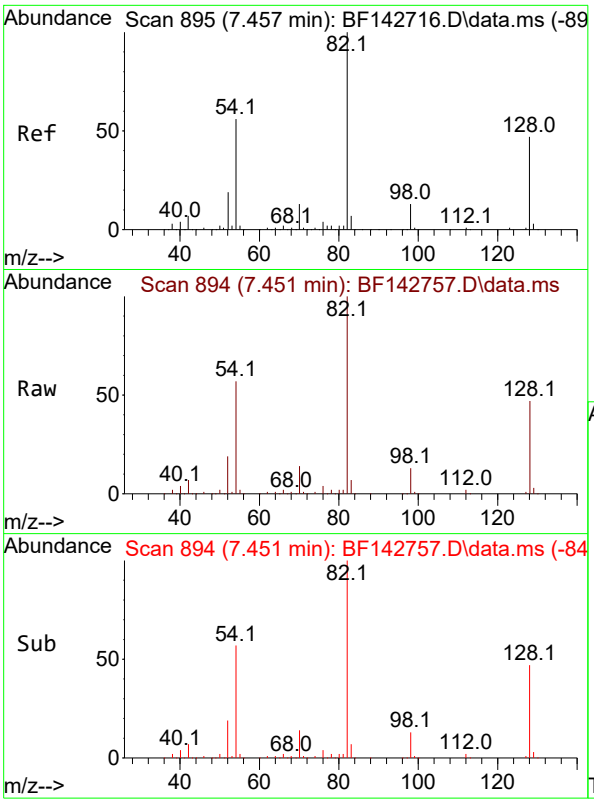


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF142757.D
Acq: 12 Jun 2025 14:58

Tgt Ion:136 Resp: 294826

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.7	13.1
54	7.6	5.9	8.9
68	4.5	3.7	5.5



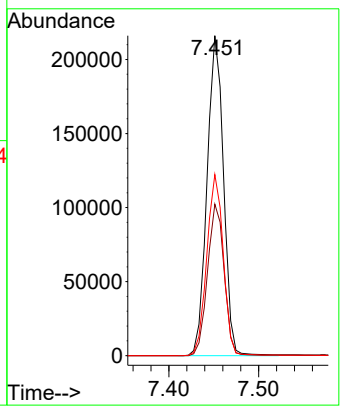


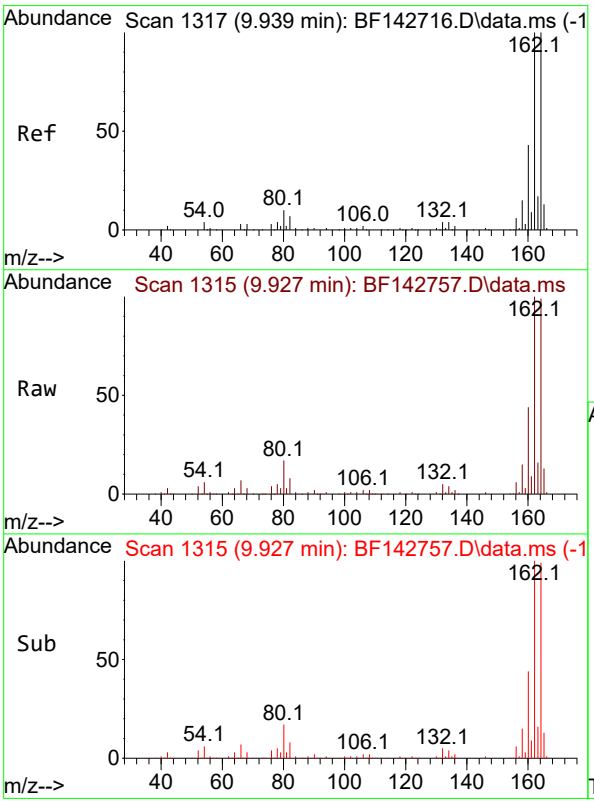
#23
Nitrobenzene-d5
Concen: 51.217 ng
RT: 7.451 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142757.D
Acq: 12 Jun 2025 14:58

Instrument :
BNA_F
ClientSampleId :
TP-56

Tgt Ion: 82 Resp: 275911

Ion	Ratio	Lower	Upper
82	100		
128	47.4	37.8	56.8
54	56.6	44.9	67.3

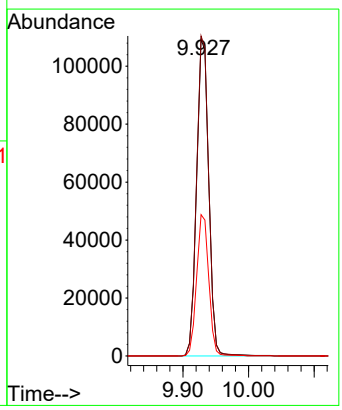


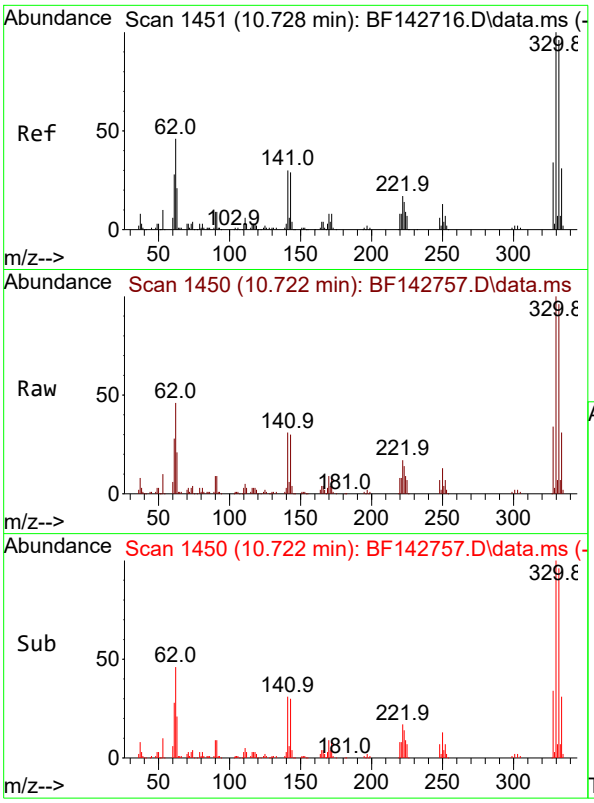


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.927 min Scan# 1315
Delta R.T. -0.012 min
Lab File: BF142757.D
Acq: 12 Jun 2025 14:58

Tgt Ion:164 Resp: 141230

Ion	Ratio	Lower	Upper
164	100		
162	101.1	79.9	119.9
160	44.7	34.8	52.2



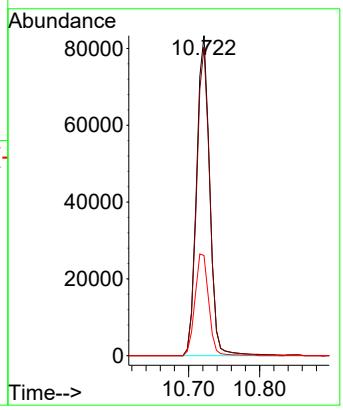


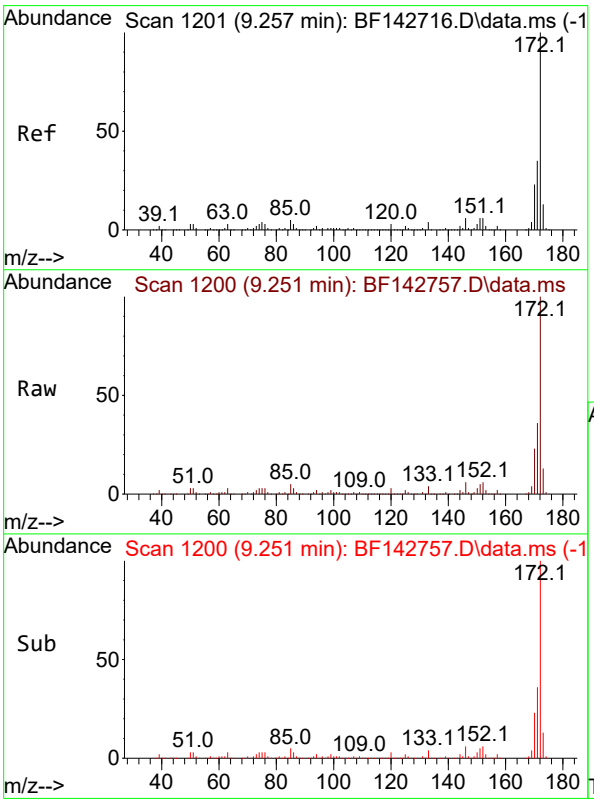
#42
2,4,6-Tribromophenol
Concen: 69.541 ng
RT: 10.722 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142757.D
Acq: 12 Jun 2025 14:58

Instrument :
BNA_F
ClientSampleId :
TP-56

Tgt Ion:330 Resp: 107640

Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.0	115.6
141	33.2	25.4	38.0

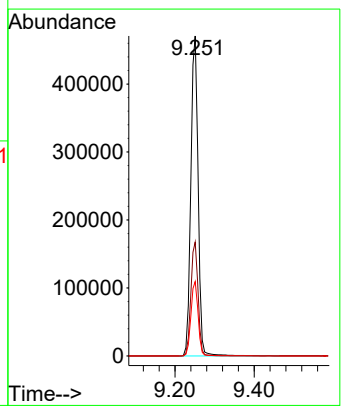


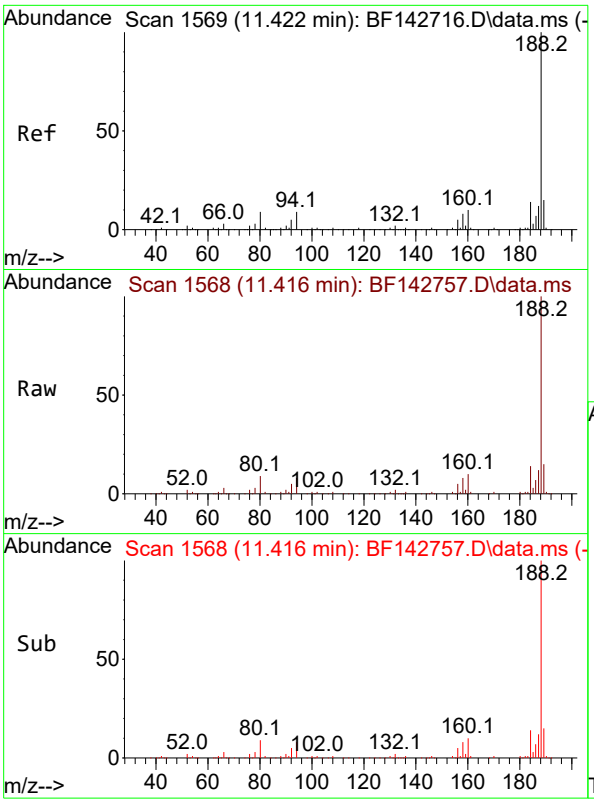


#45
2-Fluorobiphenyl
Concen: 56.655 ng
RT: 9.251 min Scan# 1200
Delta R.T. -0.006 min
Lab File: BF142757.D
Acq: 12 Jun 2025 14:58

Tgt Ion:172 Resp: 602258

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.1	42.1
170	23.3	18.6	27.8



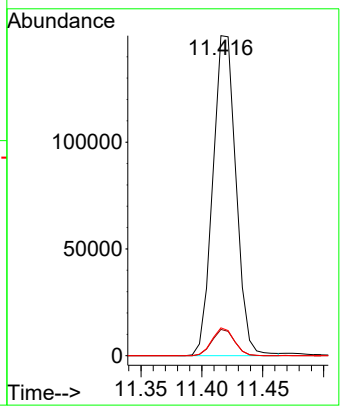


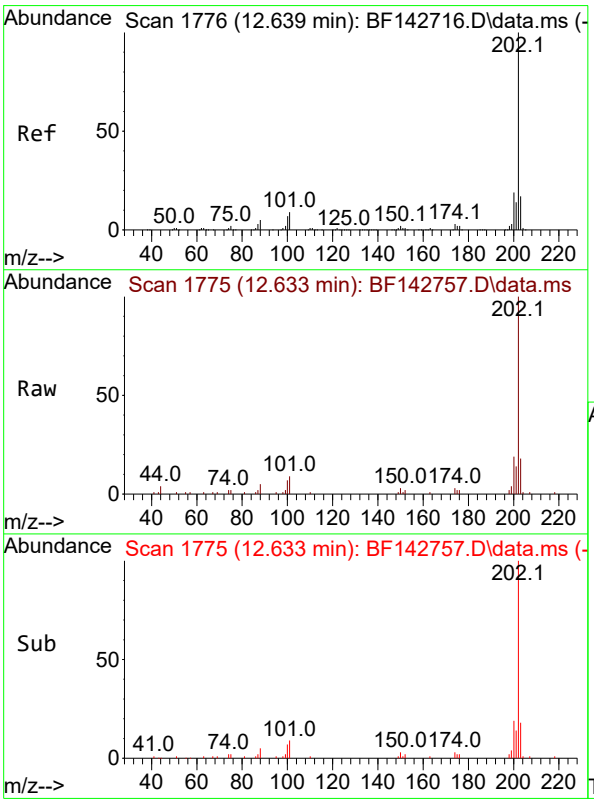
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142757.D
Acq: 12 Jun 2025 14:58

Instrument :
BNA_F
ClientSampleId :
TP-56

Tgt Ion:188 Resp: 198627

Ion	Ratio	Lower	Upper
188	100		
94	8.2	6.8	10.2
80	8.7	7.1	10.7

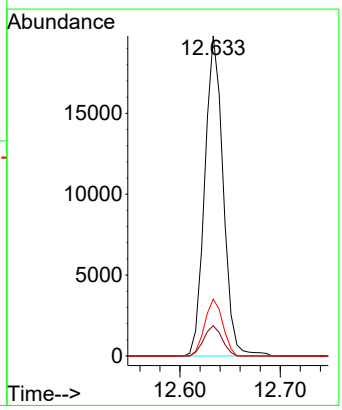


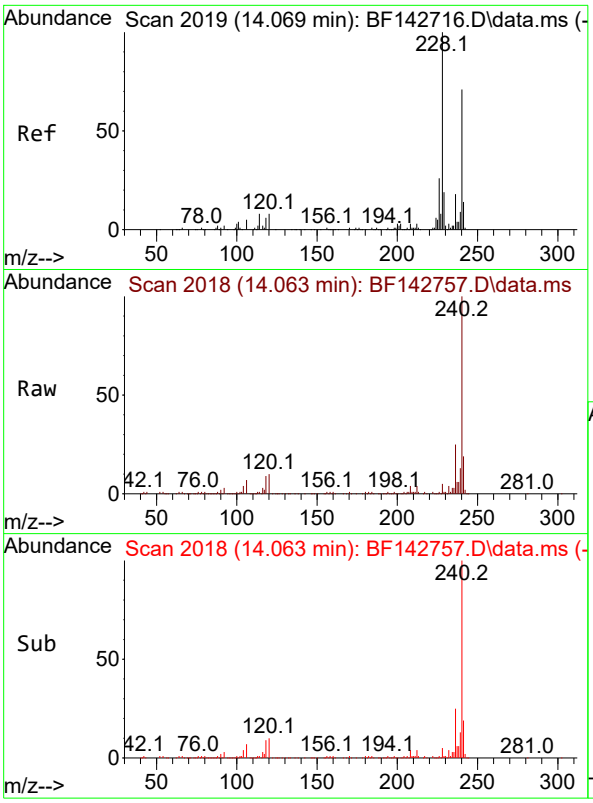


#75
Fluoranthene
Concen: 2.497 ng
RT: 12.633 min Scan# 1775
Delta R.T. -0.006 min
Lab File: BF142757.D
Acq: 12 Jun 2025 14:58

Tgt Ion:202 Resp: 25268

Ion	Ratio	Lower	Upper
202	100		
101	9.5	0.0	29.5
203	17.8	0.0	37.0



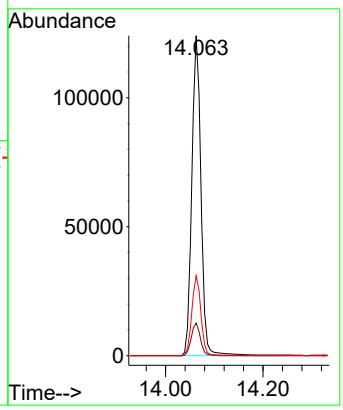


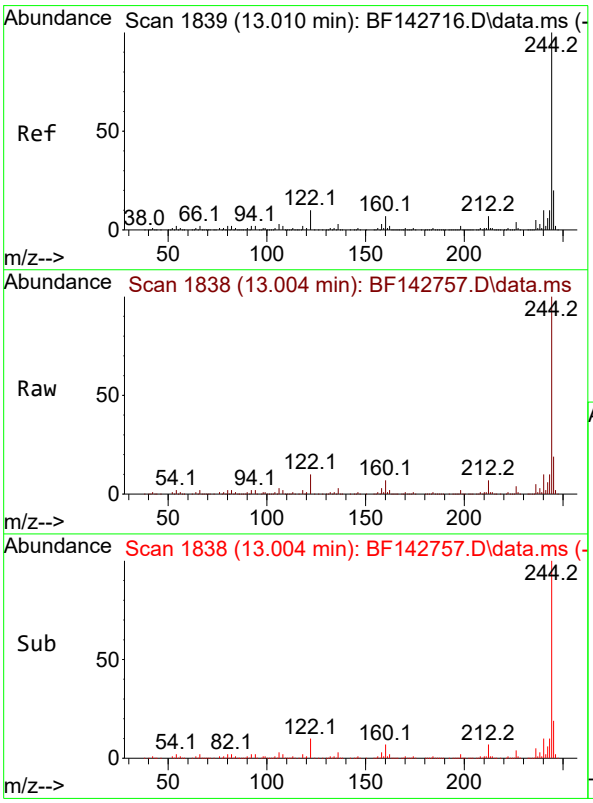
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142757.D
Acq: 12 Jun 2025 14:58

Instrument :
BNA_F
ClientSampleId :
TP-56

Tgt Ion:240 Resp: 163027

Ion	Ratio	Lower	Upper
240	100		
120	10.2	8.5	12.7
236	25.0	20.1	30.1

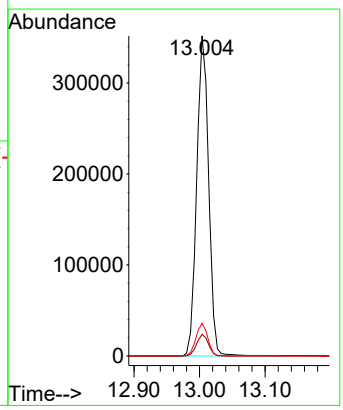


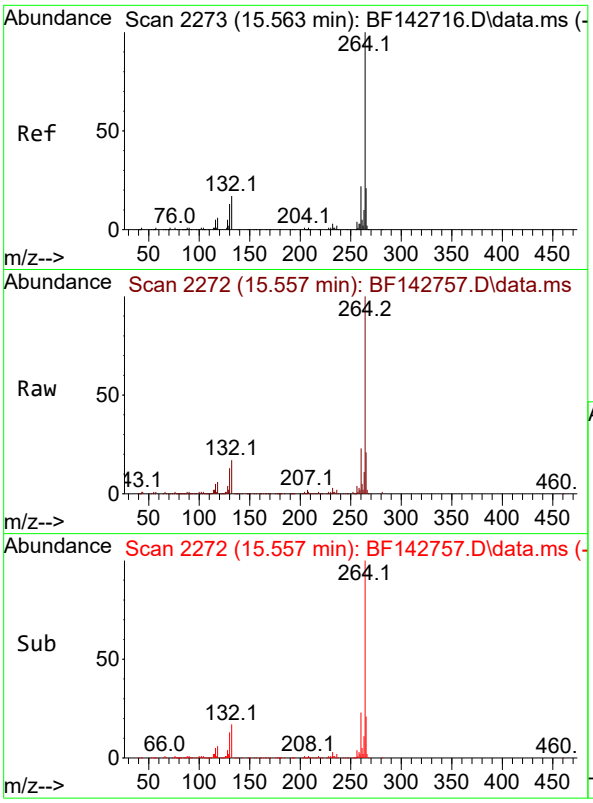


#79
Terphenyl-d14
Concen: 37.537 ng
RT: 13.004 min Scan# 1838
Delta R.T. -0.006 min
Lab File: BF142757.D
Acq: 12 Jun 2025 14:58

Tgt Ion:244 Resp: 445566

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	10.2	8.3	12.5



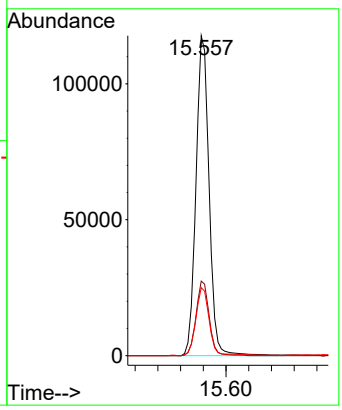


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142757.D
Acq: 12 Jun 2025 14:58

Instrument :
BNA_F
ClientSampleId :
TP-56

Tgt Ion:264 Resp: 189069

Ion	Ratio	Lower	Upper
264	100		
260	23.3	17.8	26.6
265	21.3	16.6	25.0



Sample Results: **BF142757.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061225\
Data File : BF142757.D
Acq On : 12 Jun 2025 14:58
Operator : RC/JU
Sample : Q2176-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-56

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-BF061125.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142757.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.104	487	495	505	rVB	94153	142448	8.51%	1.289%
2	5.510	554	564	569	rBV	998719	1301436	77.79%	11.780%
3	6.516	729	735	750	rBV	949171	1286456	76.90%	11.645%
4	6.892	794	799	804	rBV	360498	450531	26.93%	4.078%
5	7.451	888	894	899	rBV	658961	837970	50.09%	7.585%
6	7.704	933	937	950	rVB	14314	20289	1.21%	0.184%
7	8.175	1012	1017	1033	rBV	461229	569758	34.06%	5.157%
8	9.251	1194	1200	1210	rBV	1319968	1672914	100.00%	15.143%
9	9.927	1310	1315	1328	rBV	452887	577728	34.53%	5.229%
10	10.645	1432	1437	1444	rBV	176527	225220	13.46%	2.039%
11	10.722	1444	1450	1465	rVB	605284	803223	48.01%	7.271%
12	11.416	1563	1568	1576	rBV	357203	487325	29.13%	4.411%
13	11.939	1650	1657	1670	rBV3	44253	78719	4.71%	0.713%
14	12.633	1770	1775	1778	rBV	42814	53333	3.19%	0.483%
15	12.668	1778	1781	1785	rVB	15151	18351	1.10%	0.166%
16	12.821	1803	1807	1810	rBV	26904	32548	1.95%	0.295%
17	12.863	1810	1814	1818	rVB	32858	43104	2.58%	0.390%
18	13.004	1833	1838	1843	rBV	922437	1149826	68.73%	10.408%
19	13.527	1922	1927	1931	rBV	17234	20804	1.24%	0.188%
20	13.898	1985	1990	1999	rVB2	50971	79777	4.77%	0.722%
21	14.063	2010	2018	2032	rBV	346019	502028	30.01%	4.544%
22	14.221	2041	2045	2051	rBV	13156	19195	1.15%	0.174%
23	14.527	2093	2097	2104	rBV3	19636	36923	2.21%	0.334%
24	15.115	2192	2197	2205	rBV	25865	62036	3.71%	0.562%
25	15.427	2246	2250	2256	rVB	13518	21090	1.26%	0.191%
26	15.492	2257	2261	2266	rVV	17064	26165	1.56%	0.237%
27	15.557	2266	2272	2287	rVV	313997	528502	31.59%	4.784%

Sum of corrected areas: 11047699

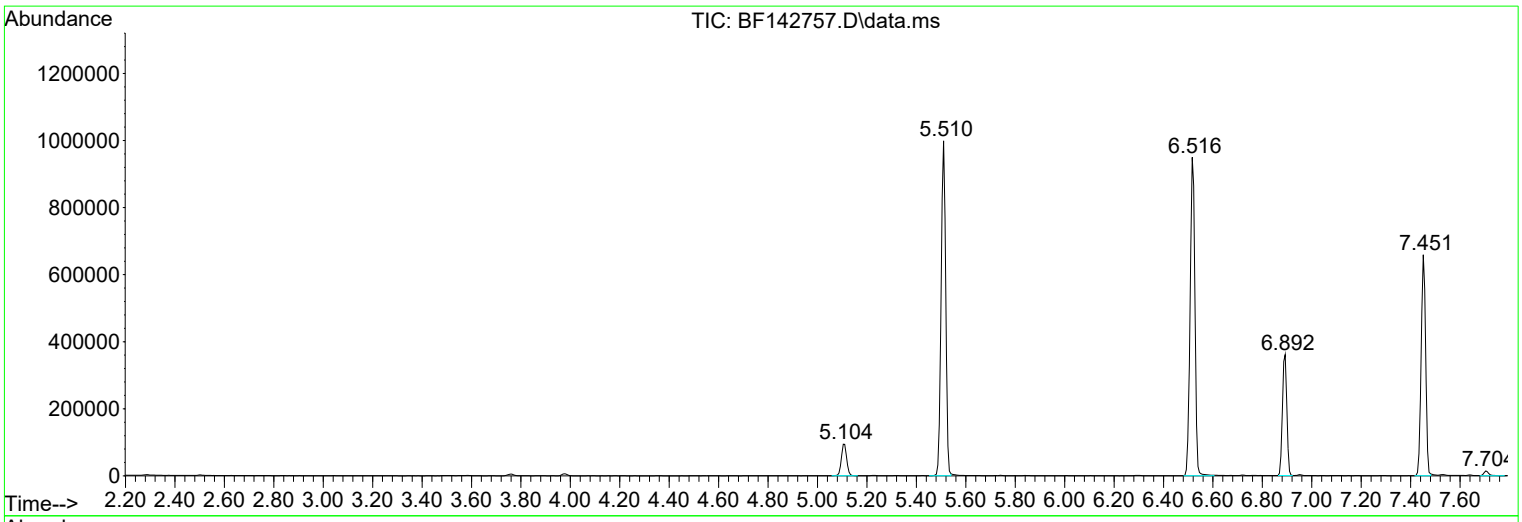
Sample Results: **BF142757.D**

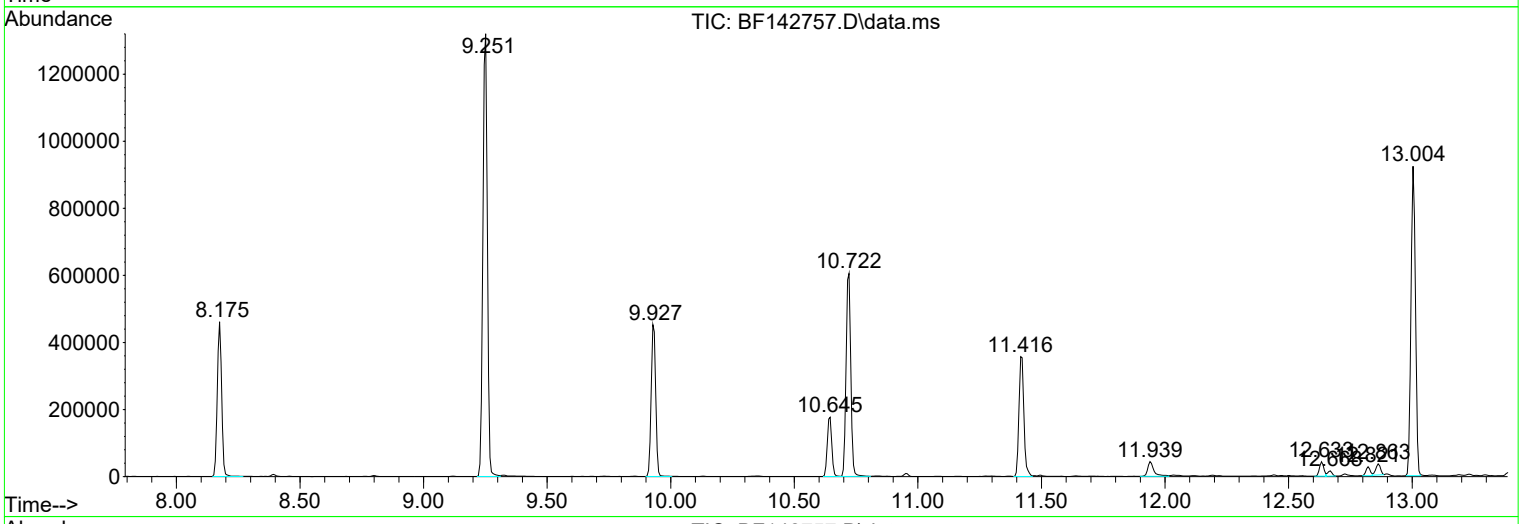
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061225\
Data File : BF142757.D
Acq On : 12 Jun 2025 14:58
Operator : RC/JU
Sample : Q2176-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

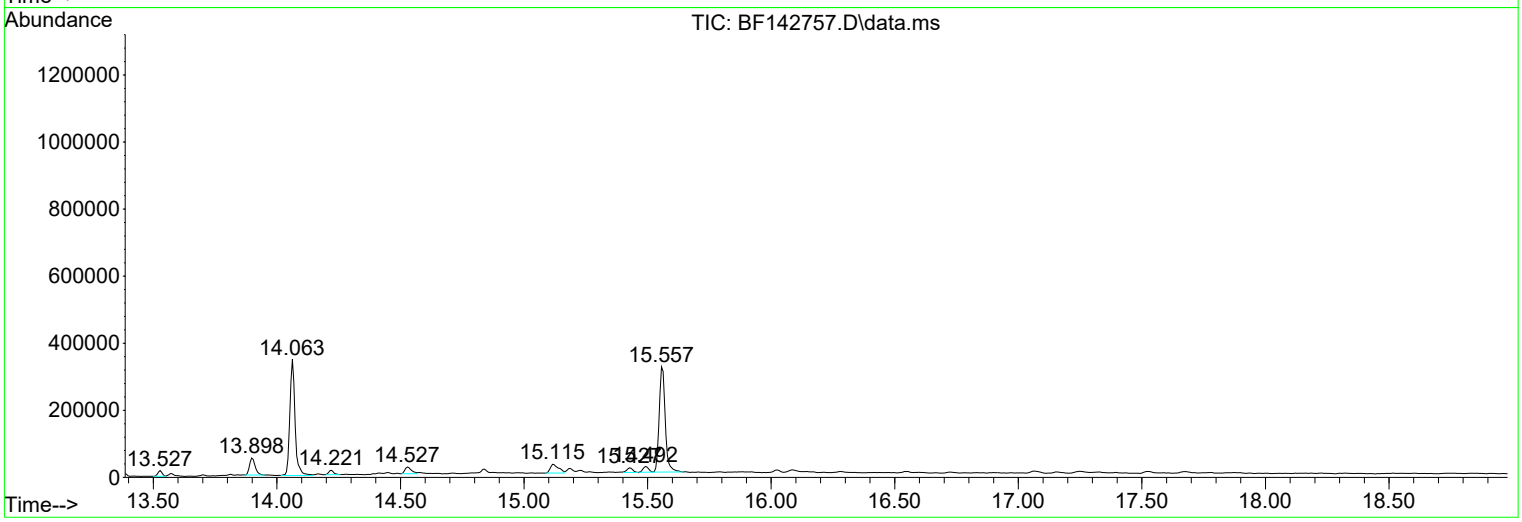
Instrument :
BNA_F
ClientSampleId :
TP-56

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.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\BF061225\
Data File : BF142757.D
Acq On : 12 Jun 2025 14:58
Operator : RC/JU
Sample : Q2176-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-56

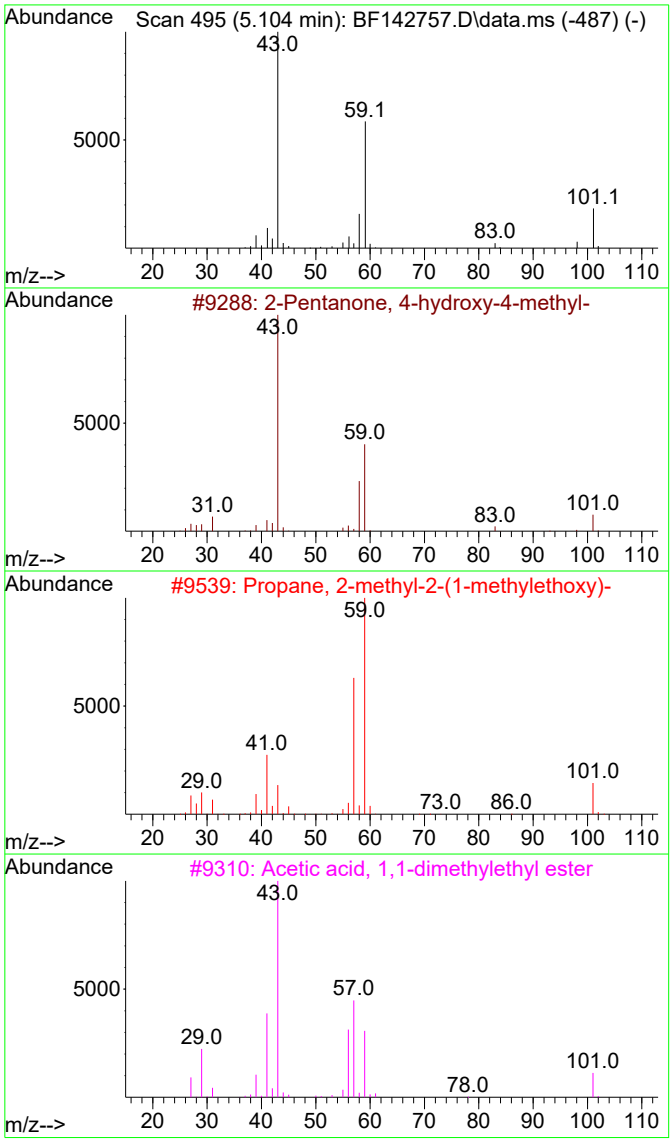
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

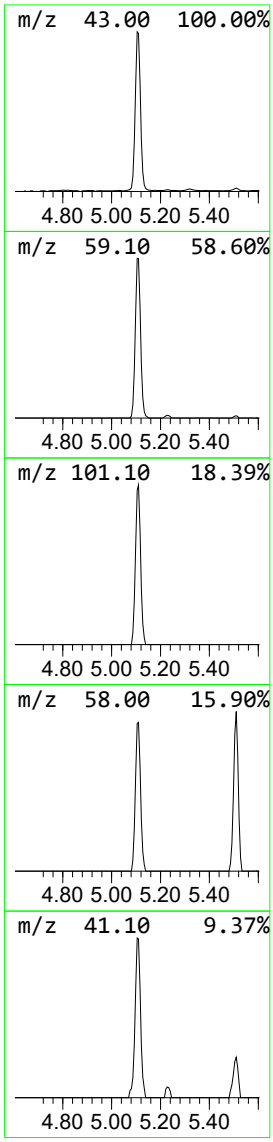
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.104	6.32 ng	142448	1,4-Dichlorobenzene-d4	6.892

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	45
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	33
3	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	28
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
5	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12





Sample Results: **BF142757.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061225\
Data File : BF142757.D
Acq On : 12 Jun 2025 14:58
Operator : RC/JU
Sample : Q2176-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-56

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

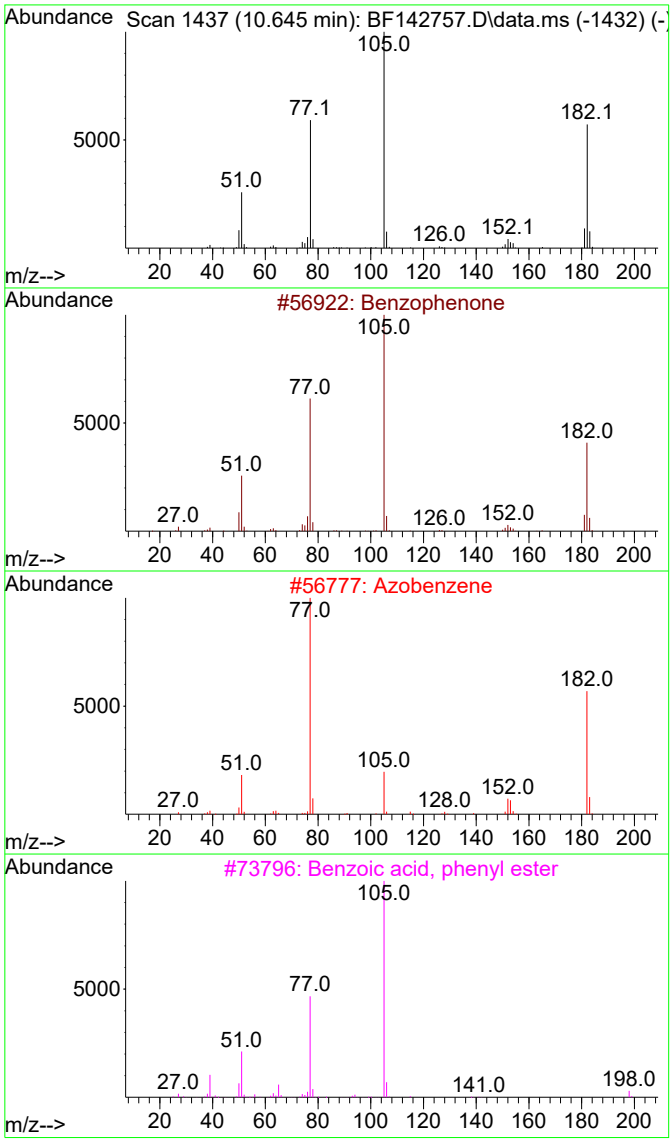
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

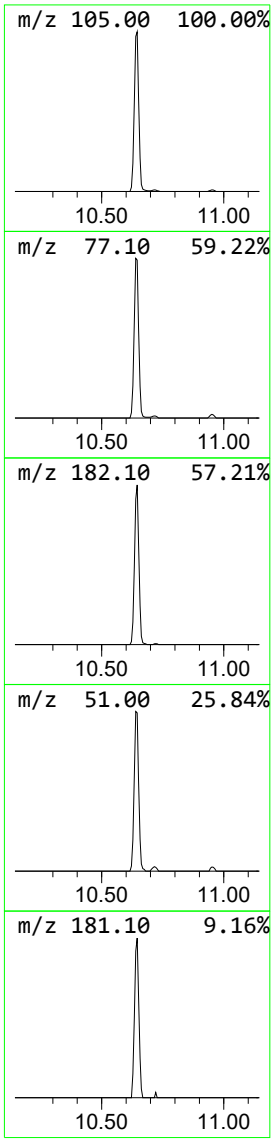
****

Peak Number 2 Benzophenone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.645	7.80 ng	225220	Acenaphthene-d10	9.927

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	97
2	Azobenzene	182	C12H10N2	000103-33-3	59
3	Benzoic acid, phenyl ester	198	C13H10O2	000093-99-2	47
4	Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	47
5	2-(2-Oxo-2-phenyl-ethyl)-malonon...	184	C11H8N2O	1000296-76-9	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061225\
Data File : BF142757.D
Acq On : 12 Jun 2025 14:58
Operator : RC/JU
Sample : Q2176-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-56

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

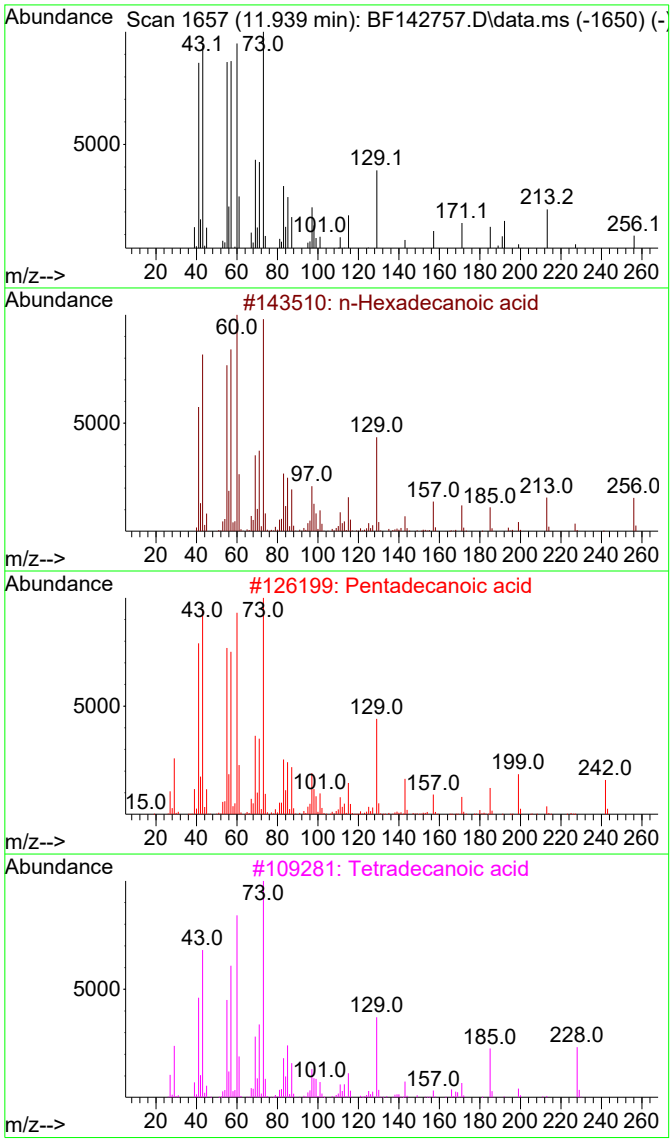
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

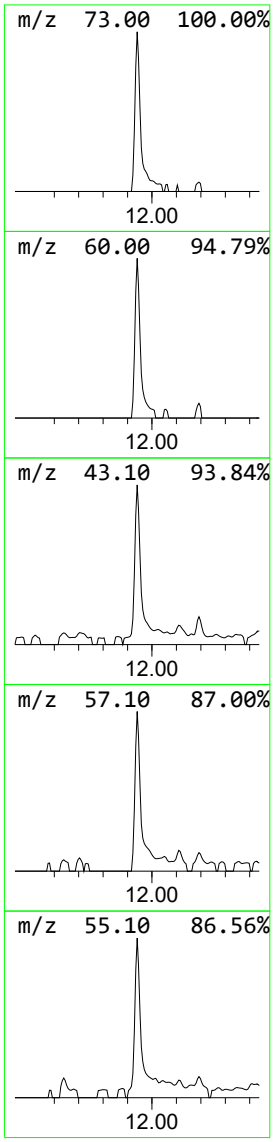
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.939	3.23 ng	78719	Phenanthrene-d10	11.416

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	87
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	72
4	Tridecanoic acid	214	C13H26O2	000638-53-9	58
5	n-Decanoic acid	172	C10H20O2	000334-48-5	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061225\
Data File : BF142757.D
Acq On : 12 Jun 2025 14:58
Operator : RC/JU
Sample : Q2176-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-56

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

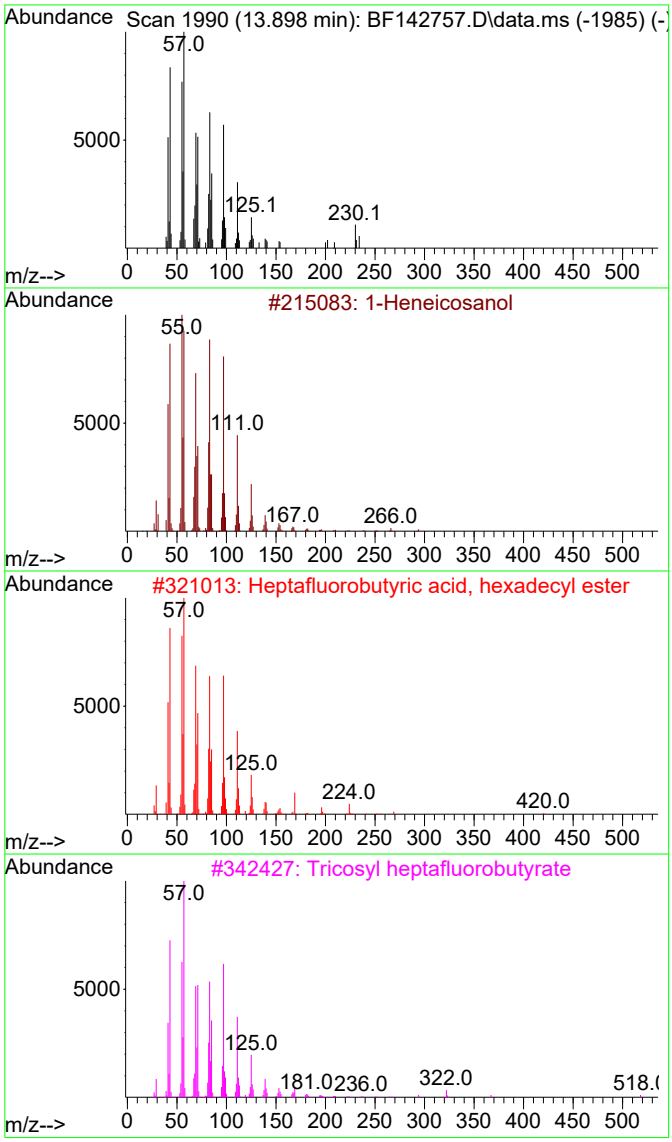
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

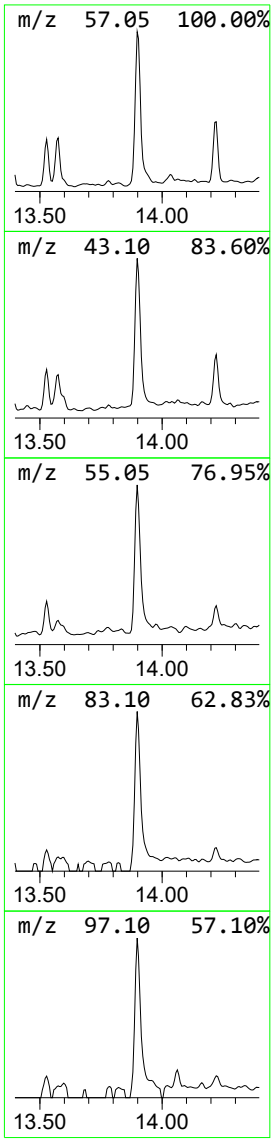
****

Peak Number 4 1-Heneicosanol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.898	3.18 ng	79777	Chrysene-d12	14.063

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heneicosanol	312	C21H44O	015594-90-8	93
2	Heptafluorobutyric acid, hexadec...	438	C20H33F7O2	006385-15-5	87
3	Tricosyl heptafluorobutyrate	536	C27H47F7O2	1000351-83-4	87
4	Pentafluoropropionic acid, hexad...	388	C19H33F5O2	006222-07-7	87
5	Nonadecyl pentafluoropropionate	430	C22H39F5O2	1000351-88-8	87





Sample Results: **BF142757.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061225\
Data File : BF142757.D
Acq On : 12 Jun 2025 14:58
Operator : RC/JU
Sample : Q2176-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-56

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-...	5.104	6.3	ng	142448	1	6.892	450531	20.0
Benzophenone	10.645	7.8	ng	225220	3	9.927	577728	20.0
n-Hexadecanoic ...	11.939	3.2	ng	78719	4	11.416	487325	20.0
1-Heneicosanol	13.898	3.2	ng	79777	5	14.063	502028	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061125\
Data File : BP024908.D
Acq On : 11 Jun 2025 12:18
Operator : RC/JU
Sample : Q2176-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-25

Quant Time: Jun 11 12:45:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration

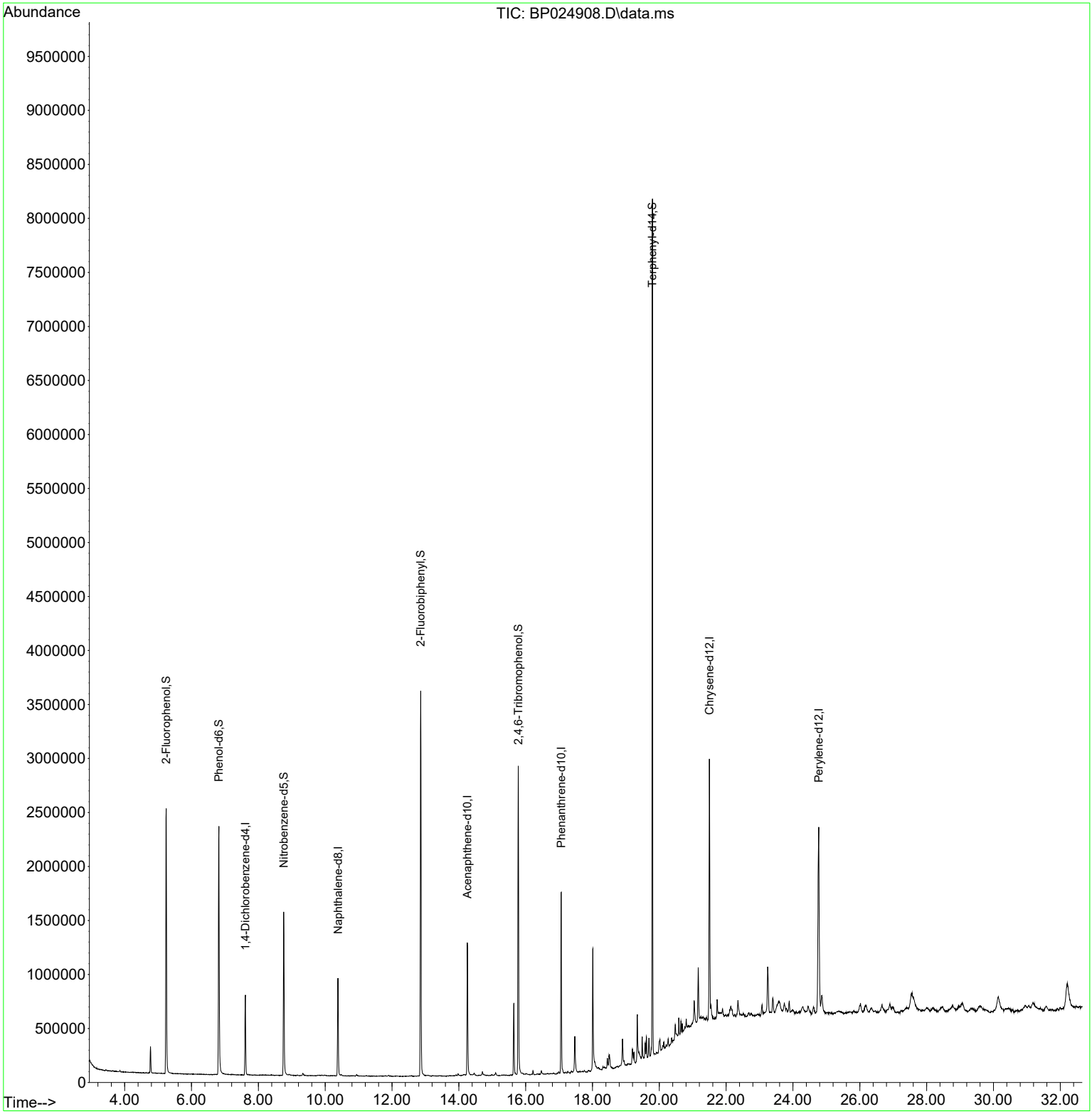
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.613	152	205856	20.000	ng	0.00
21) Naphthalene-d8	10.384	136	780618	20.000	ng	0.00
39) Acenaphthene-d10	14.254	164	477183	20.000	ng	0.00
64) Phenanthrene-d10	17.066	188	971702	20.000	ng	0.00
76) Chrysene-d12	21.501	240	1285001	20.000	ng	0.02
86) Perylene-d12	24.771	264	1716480	20.000	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.243	112	1152186	93.426	ng	0.00
7) Phenol-d6	6.819	99	1470782	90.136	ng	0.00
23) Nitrobenzene-d5	8.760	82	879362	54.740	ng	0.00
42) 2,4,6-Tribromophenol	15.783	330	639862	96.988	ng	0.00
45) 2-Fluorobiphenyl	12.860	172	1913889	54.030	ng	0.00
79) Terphenyl-d14	19.795	244	3478646	48.518	ng	0.00
Target Compounds						Qvalue

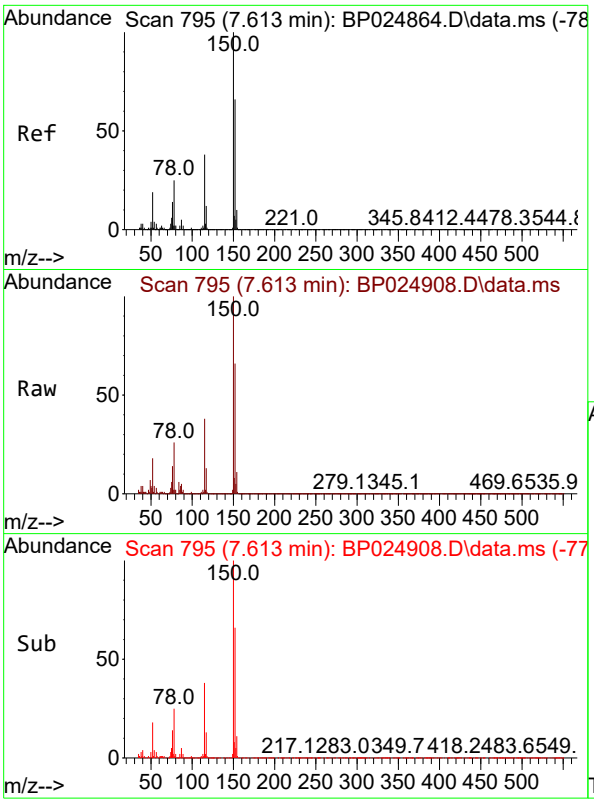
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061125\
Data File : BP024908.D
Acq On : 11 Jun 2025 12:18
Operator : RC/JU
Sample : Q2176-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-25

Quant Time: Jun 11 12:45:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration



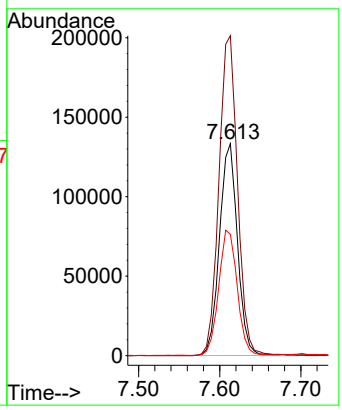


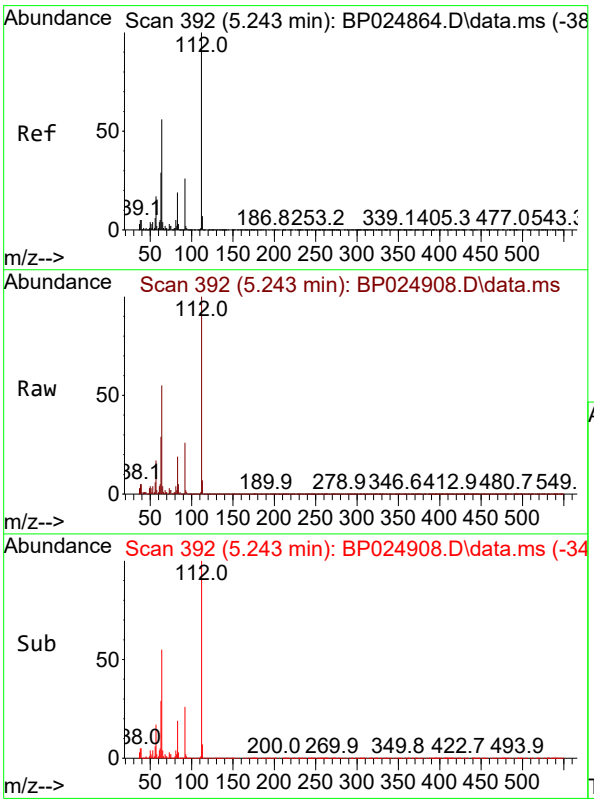
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.613 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024908.D
Acq: 11 Jun 2025 12:18

Instrument :
BNA_P
ClientSampleId :
TP-25

Tgt Ion:152 Resp: 205856

Ion	Ratio	Lower	Upper
152	100		
150	151.0	122.1	183.1
115	57.3	46.4	69.6

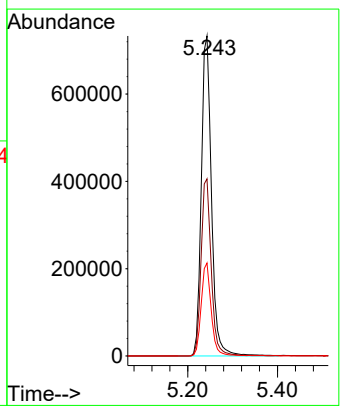


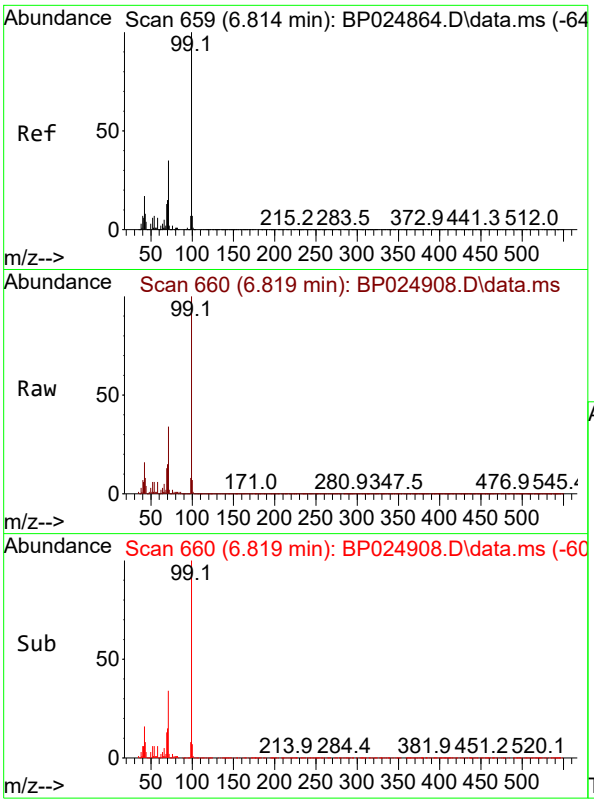


#5
2-Fluorophenol
Concen: 93.426 ng
RT: 5.243 min Scan# 392
Delta R.T. -0.000 min
Lab File: BP024908.D
Acq: 11 Jun 2025 12:18

Tgt Ion:112 Resp: 1152186

Ion	Ratio	Lower	Upper
112	100		
64	55.3	44.7	67.1
63	29.0	23.5	35.3



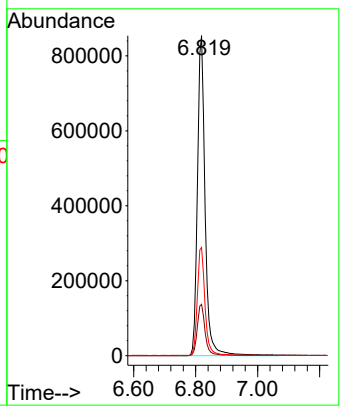


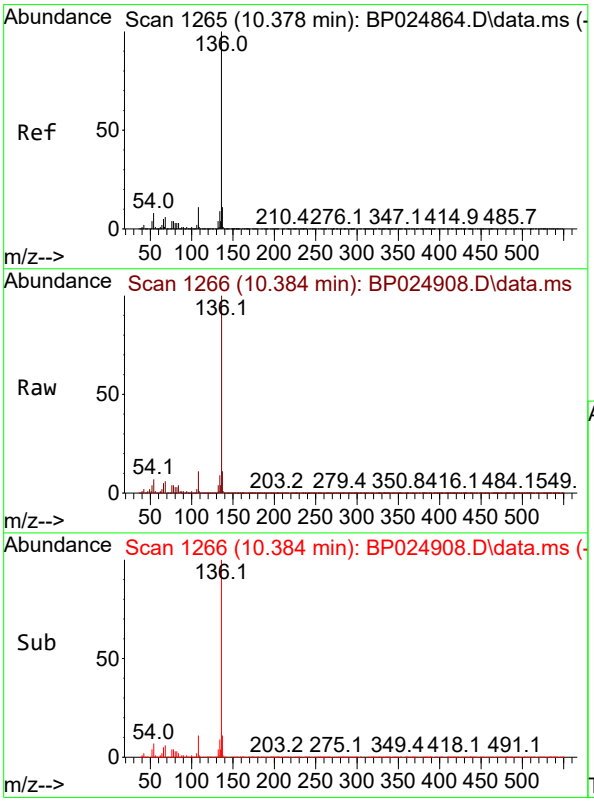
#7
Phenol-d6
Concen: 90.136 ng
RT: 6.819 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP024908.D
Acq: 11 Jun 2025 12:18

Instrument :
BNA_P
ClientSampleId :
TP-25

Tgt Ion: 99 Resp: 1470782

Ion	Ratio	Lower	Upper
99	100		
42	16.0	13.4	20.2
71	33.8	27.6	41.4

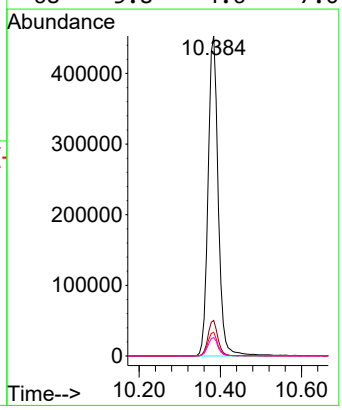


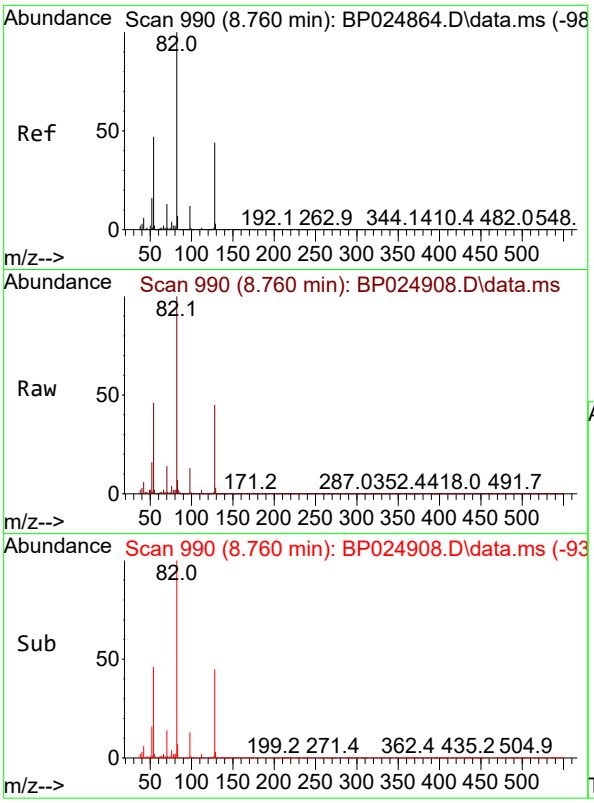


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.384 min Scan# 1266
Delta R.T. 0.006 min
Lab File: BP024908.D
Acq: 11 Jun 2025 12:18

Tgt Ion:136 Resp: 780618

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	7.4	6.1	9.1
68	5.8	4.6	7.0



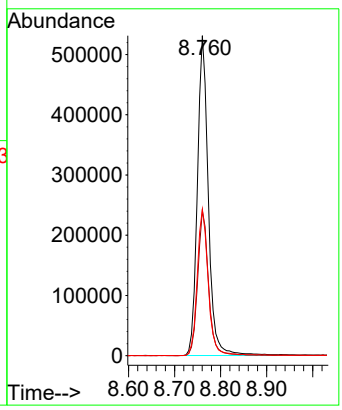


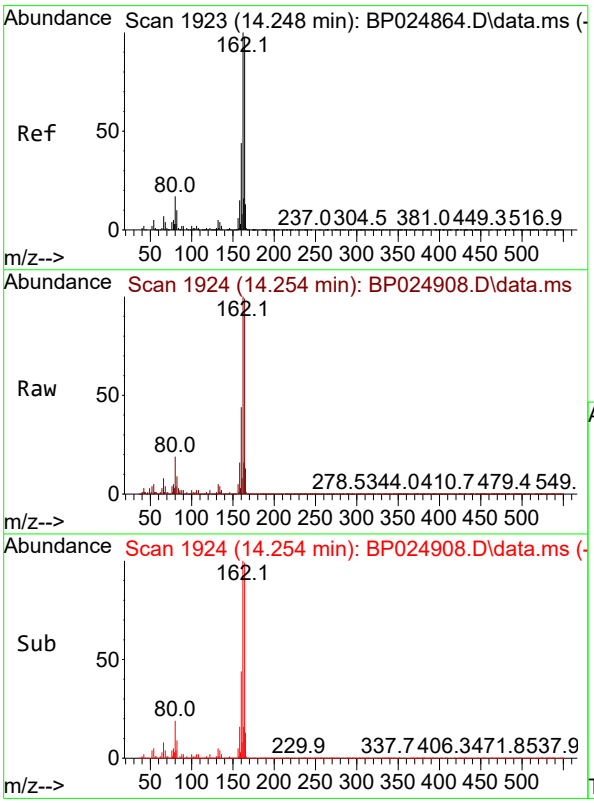
#23
Nitrobenzene-d5
Concen: 54.740 ng
RT: 8.760 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP024908.D
Acq: 11 Jun 2025 12:18

Instrument :
BNA_P
ClientSampleId :
TP-25

Tgt Ion: 82 Resp: 879362

Ion	Ratio	Lower	Upper
82	100		
128	45.4	35.3	52.9
54	45.8	37.4	56.0

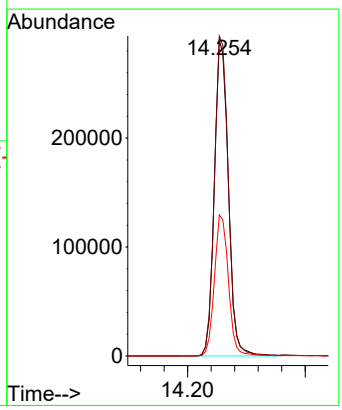


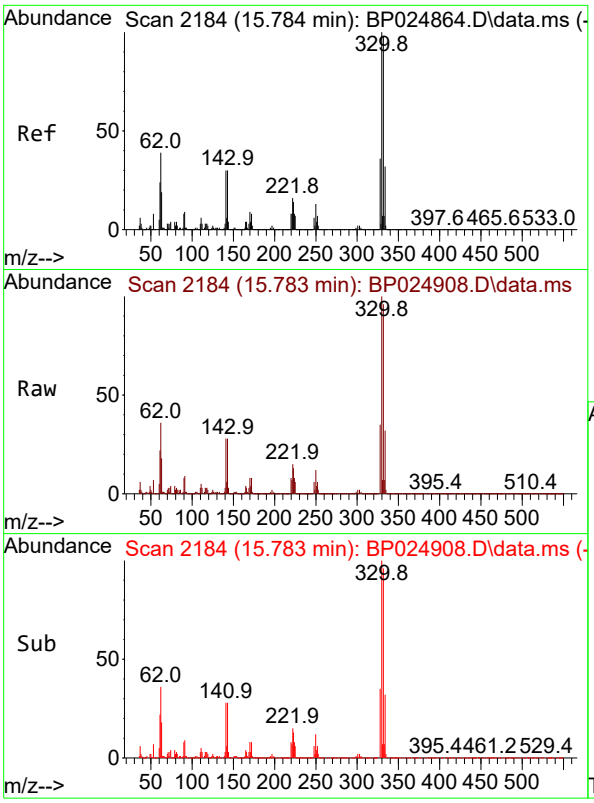


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.254 min Scan# 1924
Delta R.T. 0.006 min
Lab File: BP024908.D
Acq: 11 Jun 2025 12:18

Tgt Ion:164 Resp: 477183

Ion	Ratio	Lower	Upper
164	100		
162	101.2	81.6	122.4
160	44.7	36.2	54.2



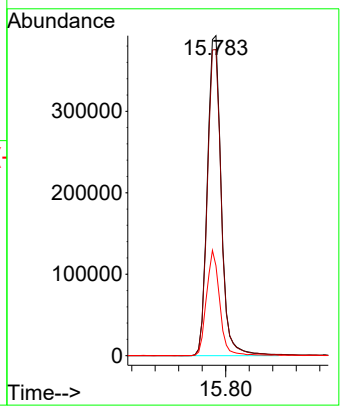


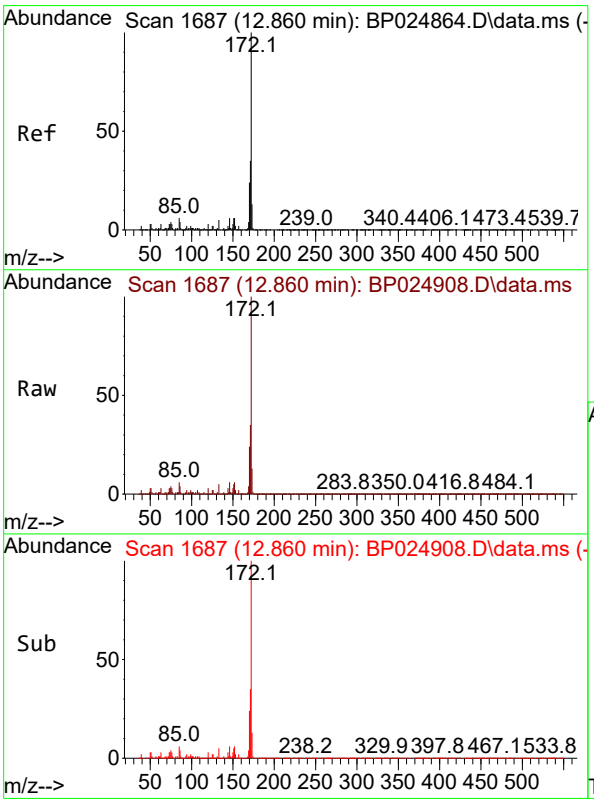
#42
2,4,6-Tribromophenol
Concen: 96.988 ng
RT: 15.783 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024908.D
Acq: 11 Jun 2025 12:18

Instrument :
BNA_P
ClientSampleId :
TP-25

Tgt Ion:330 Resp: 639862

Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.7	116.5
141	31.5	26.4	39.6

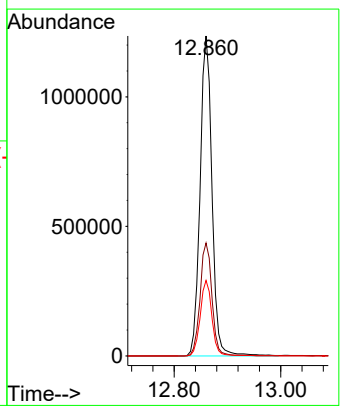


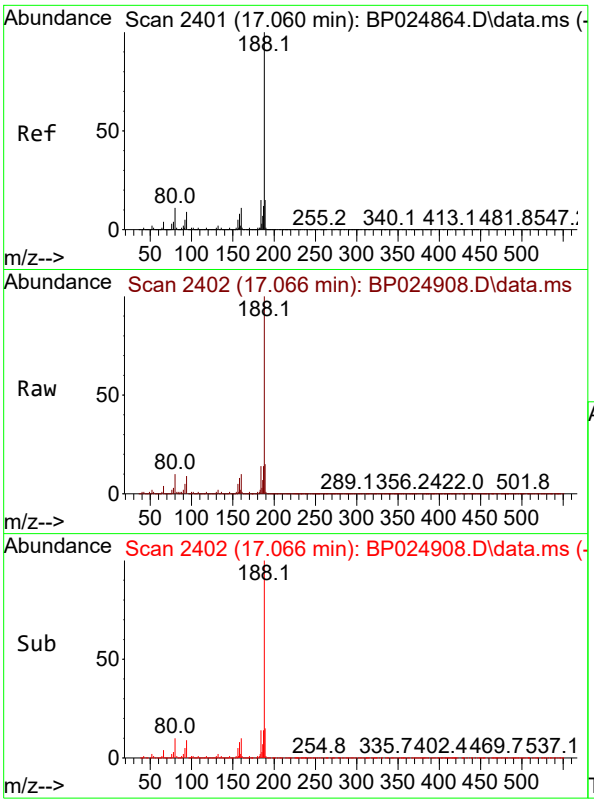


#45
2-Fluorobiphenyl
Concen: 54.030 ng
RT: 12.860 min Scan# 1687
Delta R.T. -0.000 min
Lab File: BP024908.D
Acq: 11 Jun 2025 12:18

Tgt Ion:172 Resp: 1913889

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.3	42.5
170	23.6	19.0	28.4



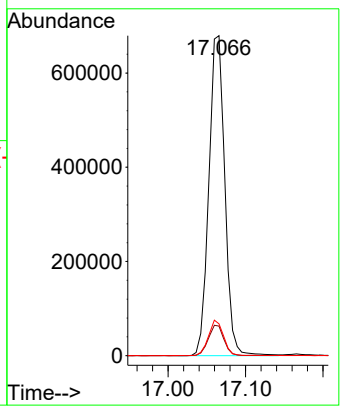


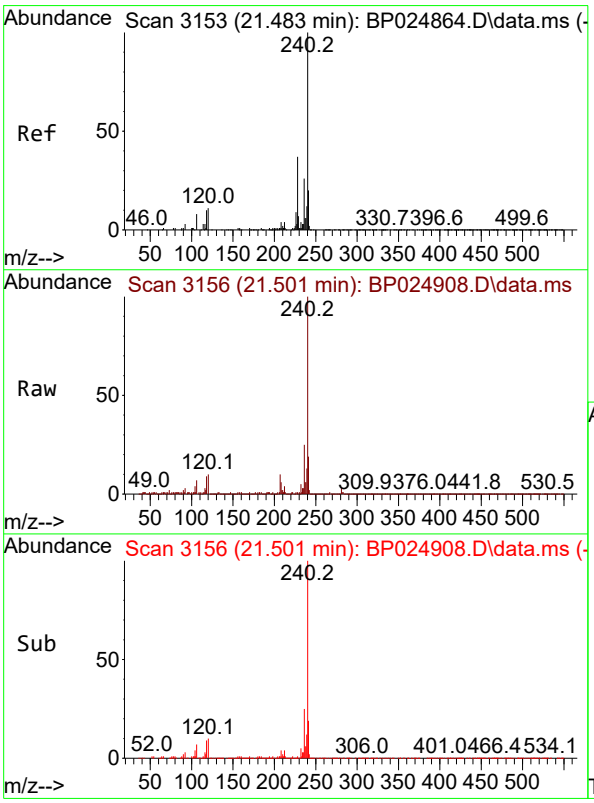
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.066 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP024908.D
Acq: 11 Jun 2025 12:18

Instrument :
BNA_P
ClientSampleId :
TP-25

Tgt Ion:188 Resp: 971702

Ion	Ratio	Lower	Upper
188	100		
94	9.2	7.3	10.9
80	10.0	8.5	12.7

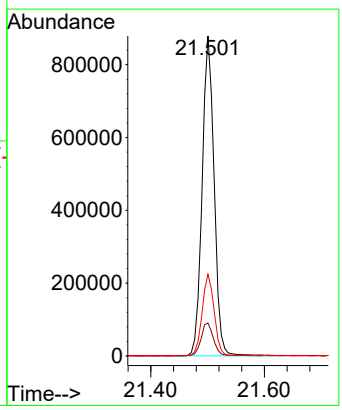


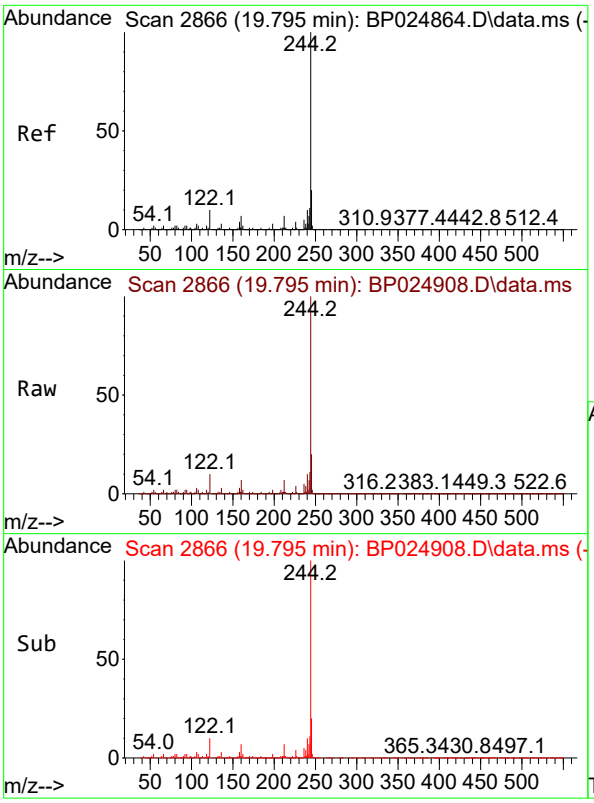


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.501 min Scan# 3156
Delta R.T. 0.017 min
Lab File: BP024908.D
Acq: 11 Jun 2025 12:18

Tgt Ion:240 Resp: 1285001

Ion	Ratio	Lower	Upper
240	100		
120	10.3	8.9	13.3
236	25.5	20.9	31.3



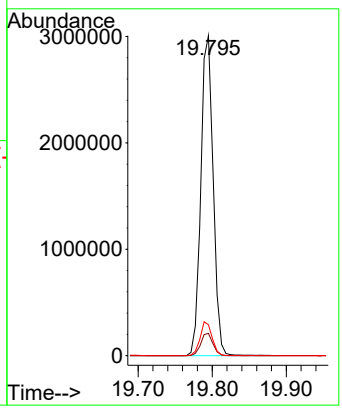


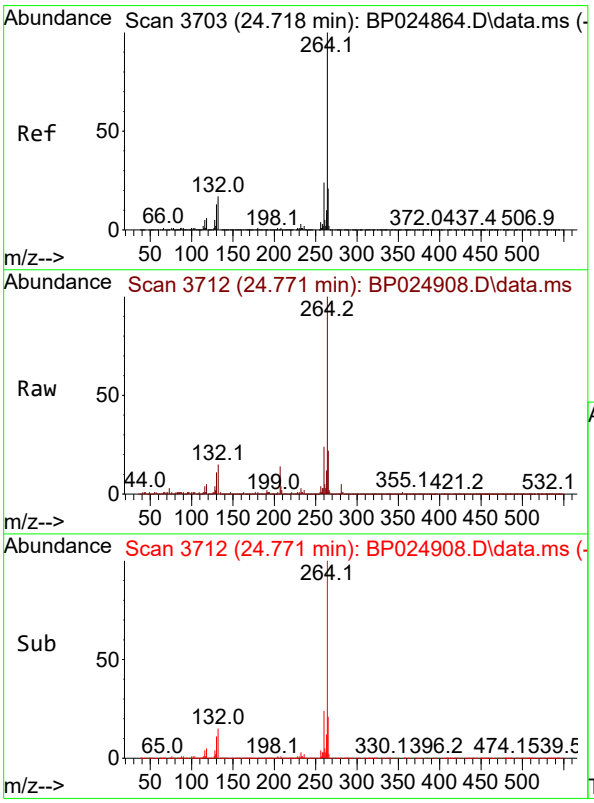
#79
Terphenyl-d14
Concen: 48.518 ng
RT: 19.795 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024908.D
Acq: 11 Jun 2025 12:18

Instrument :
BNA_P
ClientSampleId :
TP-25

Tgt Ion:244 Resp: 3478646

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	9.6	7.7	11.5

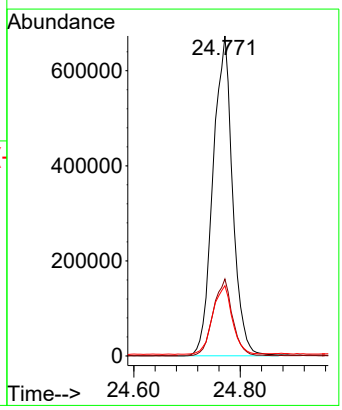




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.771 min Scan# 3712
Delta R.T. 0.053 min
Lab File: BP024908.D
Acq: 11 Jun 2025 12:18

Tgt Ion:264 Resp: 1716480

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.0	28.4
265	21.9	17.4	26.0



Sample Results: **BP024908.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061125\
Data File : BP024908.D
Acq On : 11 Jun 2025 12:18
Operator : RC/JU
Sample : Q2176-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-25

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

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

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

Signal : TIC: BP024908.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.772	307	312	321	rVB	245918	345050	3.72%	0.640%
2	5.243	385	392	412	rBV	2455094	3857736	41.55%	7.154%
3	6.819	653	660	682	rBV	2295706	3966164	42.72%	7.355%
4	7.613	788	795	804	rBV	741564	1185390	12.77%	2.198%
5	8.760	983	990	1010	rBV	1514720	2515237	27.09%	4.664%
6	10.384	1259	1266	1278	rBV	904865	1545590	16.65%	2.866%
7	12.860	1680	1687	1698	rBV	3566775	5493077	59.17%	10.186%
8	14.254	1916	1924	1940	rBV	1226901	2081236	22.42%	3.859%
9	15.648	2154	2161	2174	rBV	667270	1026520	11.06%	1.904%
10	15.777	2177	2183	2201	rVV	2853430	4583820	49.38%	8.500%
11	17.066	2395	2402	2414	rBV2	1677671	2469568	26.60%	4.579%
12	17.471	2465	2471	2482	rVB	326743	588769	6.34%	1.092%
13	18.013	2553	2563	2571	rBV	1135615	1803986	19.43%	3.345%
14	18.442	2633	2636	2641	rBV3	85649	133608	1.44%	0.248%
15	18.507	2641	2647	2657	rVB2	122796	294729	3.17%	0.547%
16	18.901	2709	2714	2728	rVB2	242821	483559	5.21%	0.897%
17	19.195	2759	2764	2769	rBV	139071	287750	3.10%	0.534%
18	19.242	2769	2772	2779	rVB2	101390	153381	1.65%	0.284%
19	19.342	2784	2789	2797	rBV	437442	811111	8.74%	1.504%
20	19.489	2810	2814	2822	rBV2	199516	236490	2.55%	0.439%
21	19.577	2825	2829	2832	rVV	136174	196689	2.12%	0.365%
22	19.613	2832	2835	2840	rVB	195297	241160	2.60%	0.447%
23	19.689	2844	2848	2853	rVB	167342	239435	2.58%	0.444%
24	19.795	2861	2866	2874	rVB	7921198	9283661	100.00%	17.215%
25	20.018	2898	2904	2909	rVB3	100281	236174	2.54%	0.438%
26	20.583	2997	3000	3006	rBV	162577	170743	1.84%	0.317%
27	21.042	3076	3078	3088	rVB2	201110	336206	3.62%	0.623%
28	21.165	3094	3099	3106	rBV2	485191	801502	8.63%	1.486%
29	21.501	3150	3156	3162	rBV	2386886	3641662	39.23%	6.753%
30	23.242	3449	3452	3462	rVB	425501	862400	9.29%	1.599%
31	24.771	3704	3712	3721	rVB	1658605	4055406	43.68%	7.520%

Sum of corrected areas: 53927809

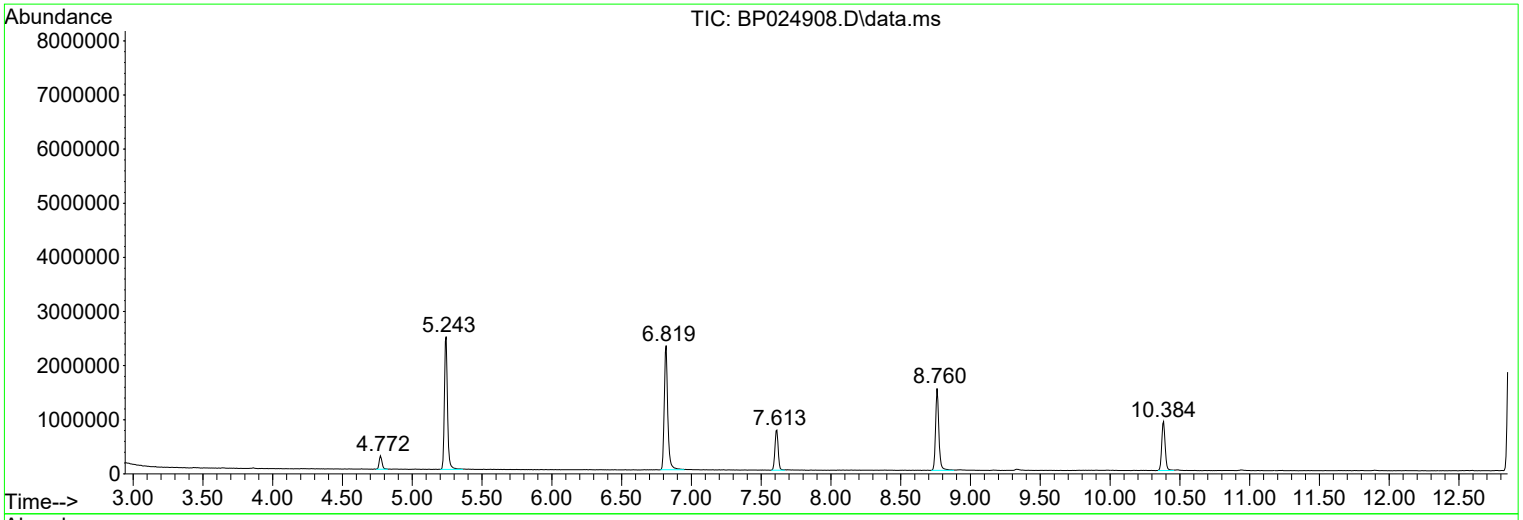
Sample Results: **BP024908.D**

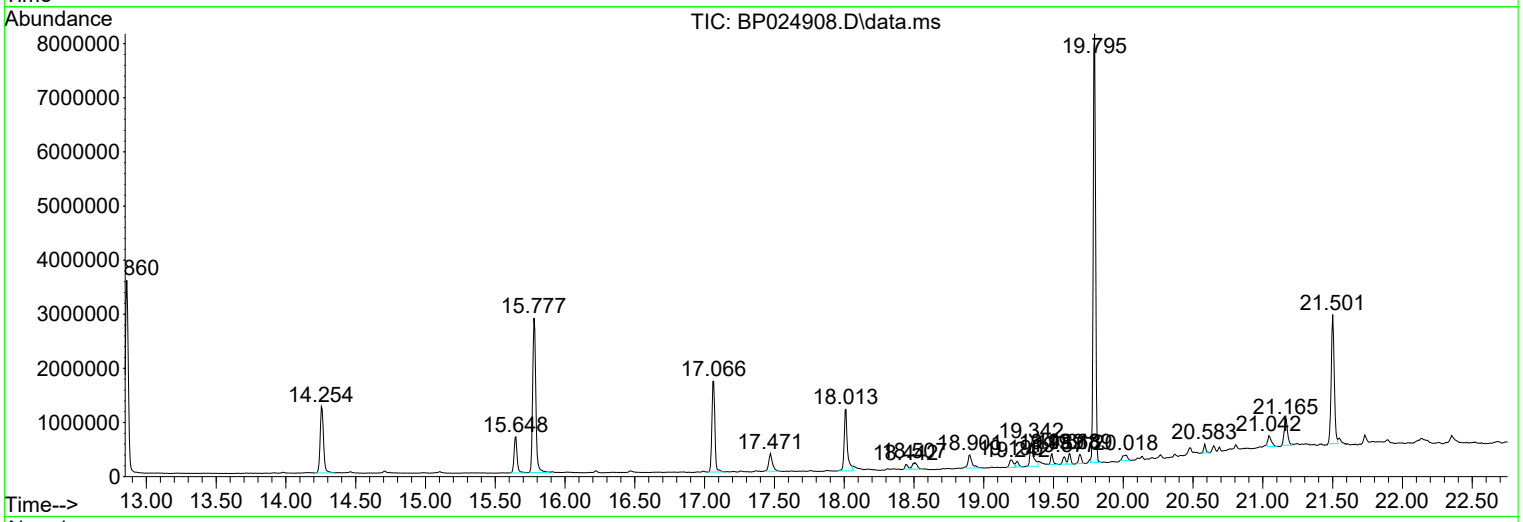
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061125\
Data File : BP024908.D
Acq On : 11 Jun 2025 12:18
Operator : RC/JU
Sample : Q2176-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

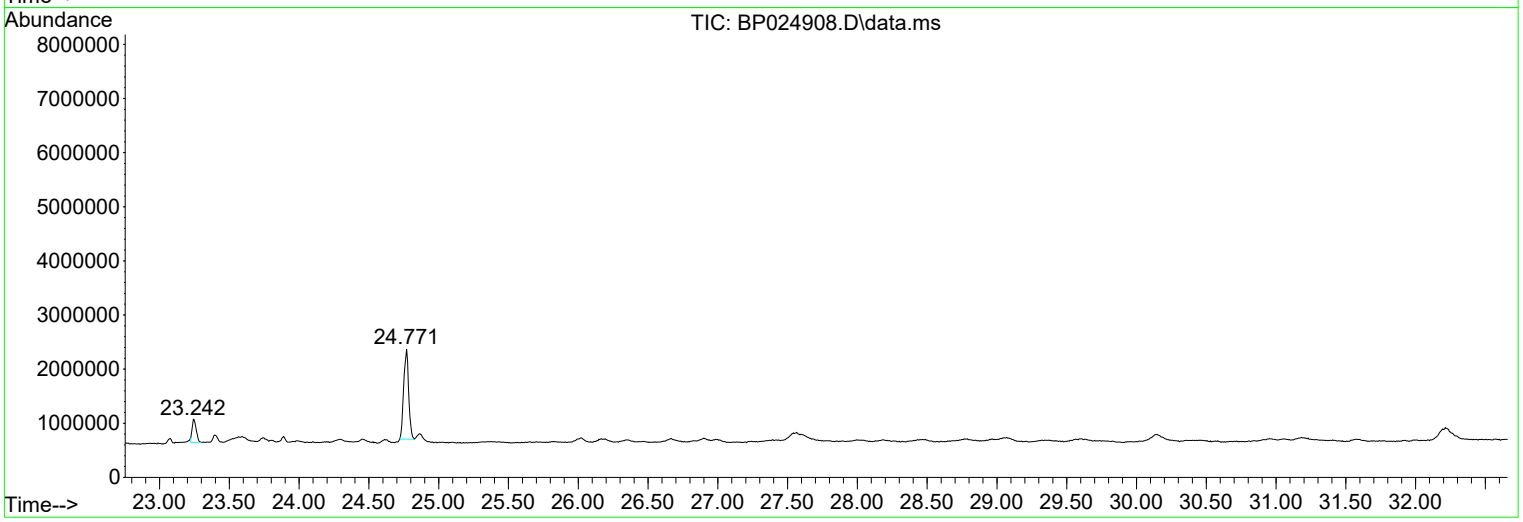
Instrument :
BNA_P
ClientSampleId :
TP-25

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

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







Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061125\
Data File : BP024908.D
Acq On : 11 Jun 2025 12:18
Operator : RC/JU
Sample : Q2176-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-25

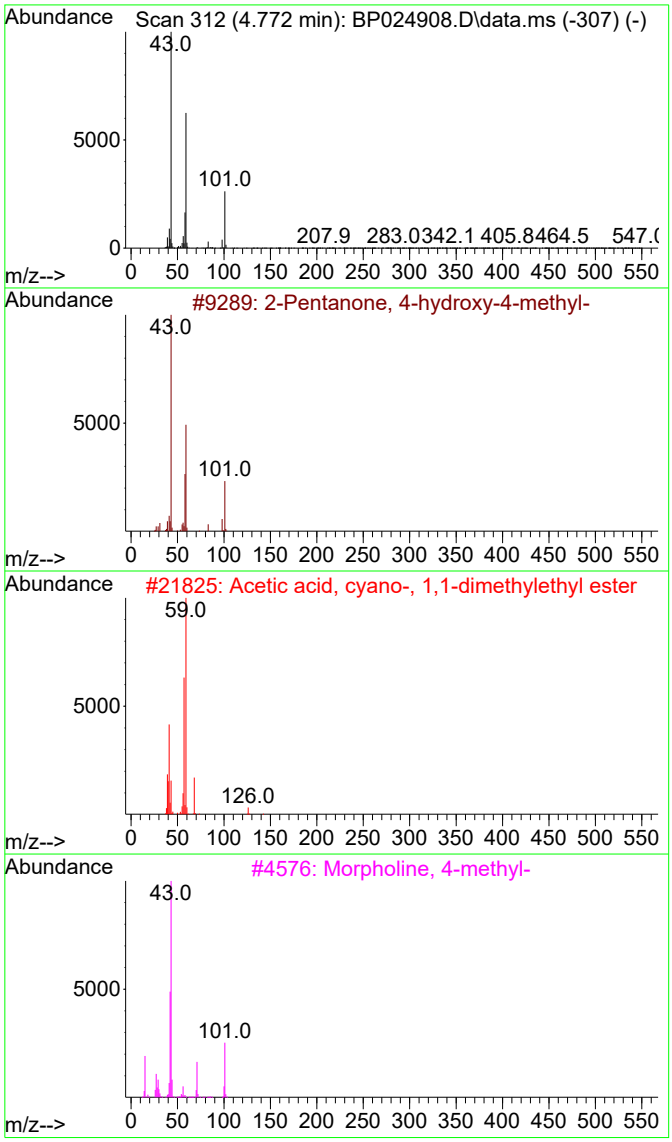
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

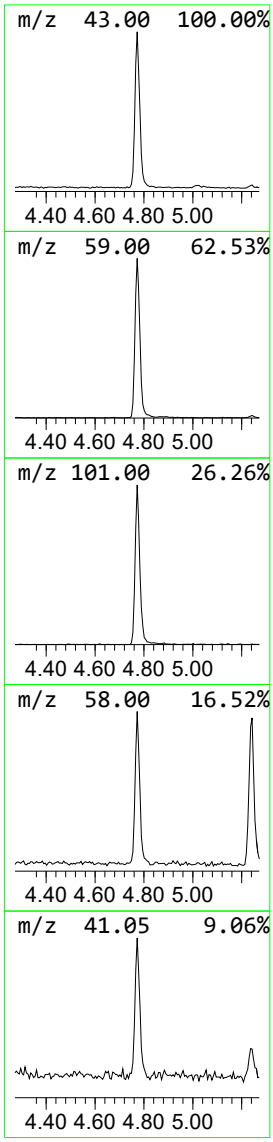
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.772	5.82 ng	345050	1,4-Dichlorobenzene-d4	7.613

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
3	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
4	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9
5	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061125\
Data File : BP024908.D
Acq On : 11 Jun 2025 12:18
Operator : RC/JU
Sample : Q2176-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-25

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

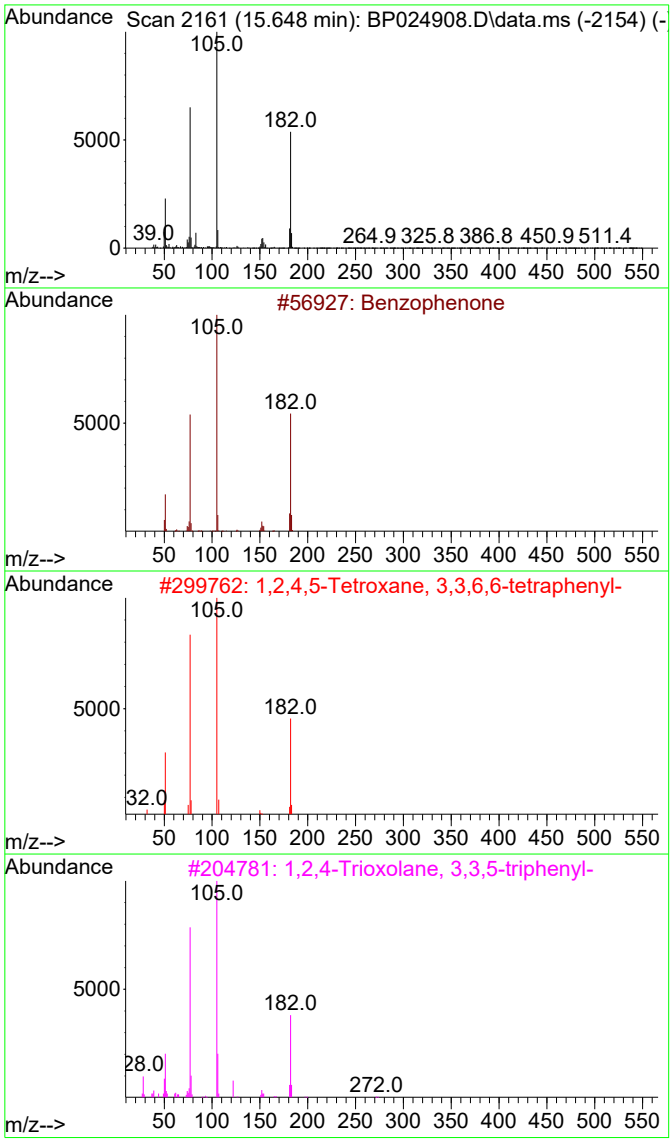
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

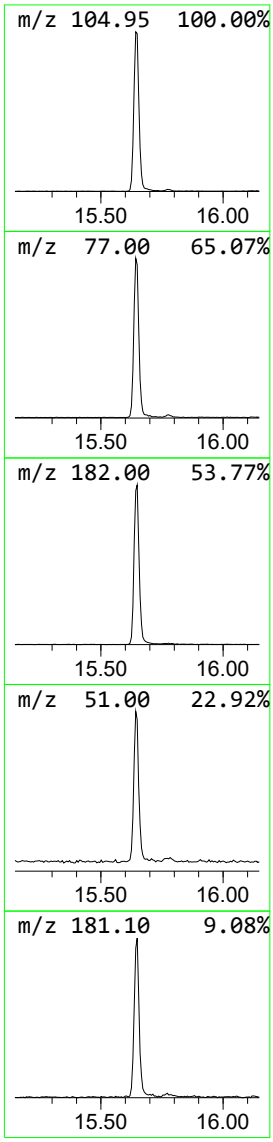
****

Peak Number 2 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.648	9.86 ng	1026520	Acenaphthene-d10	14.254

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	1,2,4,5-Tetroxane, 3,3,6,6-tetra...	396	C26H20O4	016204-36-7	64
3	1,2,4-Trioxolane, 3,3,5-triphenyl-	304	C20H16O3	023246-12-0	50
4	Benzenamine, N-(3-pyridinylmethy...	182	C12H10N2	029722-97-2	42
5	Azobenzene	182	C12H10N2	000103-33-3	42





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061125\
Data File : BP024908.D
Acq On : 11 Jun 2025 12:18
Operator : RC/JU
Sample : Q2176-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-25

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

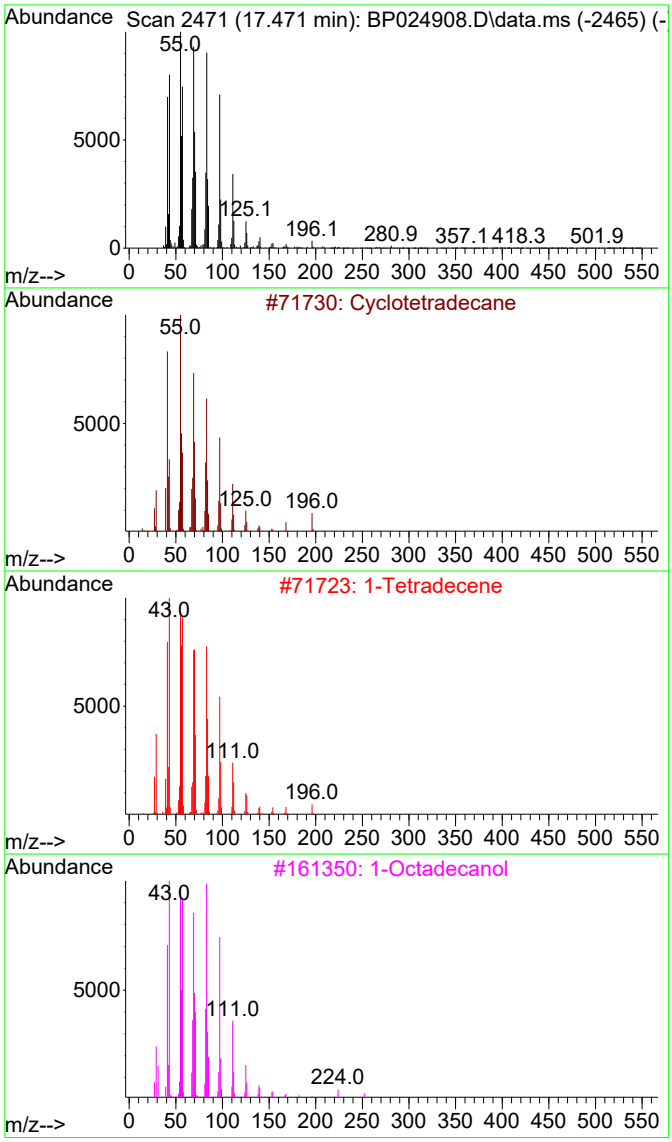
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

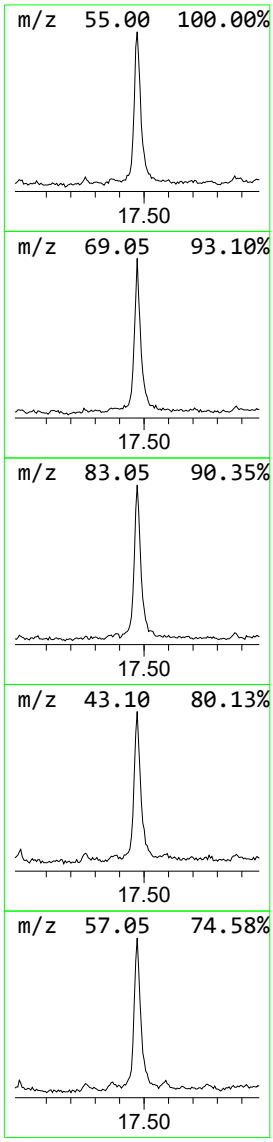
****

Peak Number 3 Cyclotetradecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.471	4.77 ng	588769	Phenanthrene-d10	17.066

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotetradecane	196	C14H28	000295-17-0	95
2	1-Tetradecene	196	C14H28	001120-36-1	95
3	1-Octadecanol	270	C18H38O	000112-92-5	94
4	n-Heptadecanol-1	256	C17H36O	001454-85-9	94
5	2-Tetradecene, (E)-	196	C14H28	035953-54-9	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061125\
Data File : BP024908.D
Acq On : 11 Jun 2025 12:18
Operator : RC/JU
Sample : Q2176-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-25

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

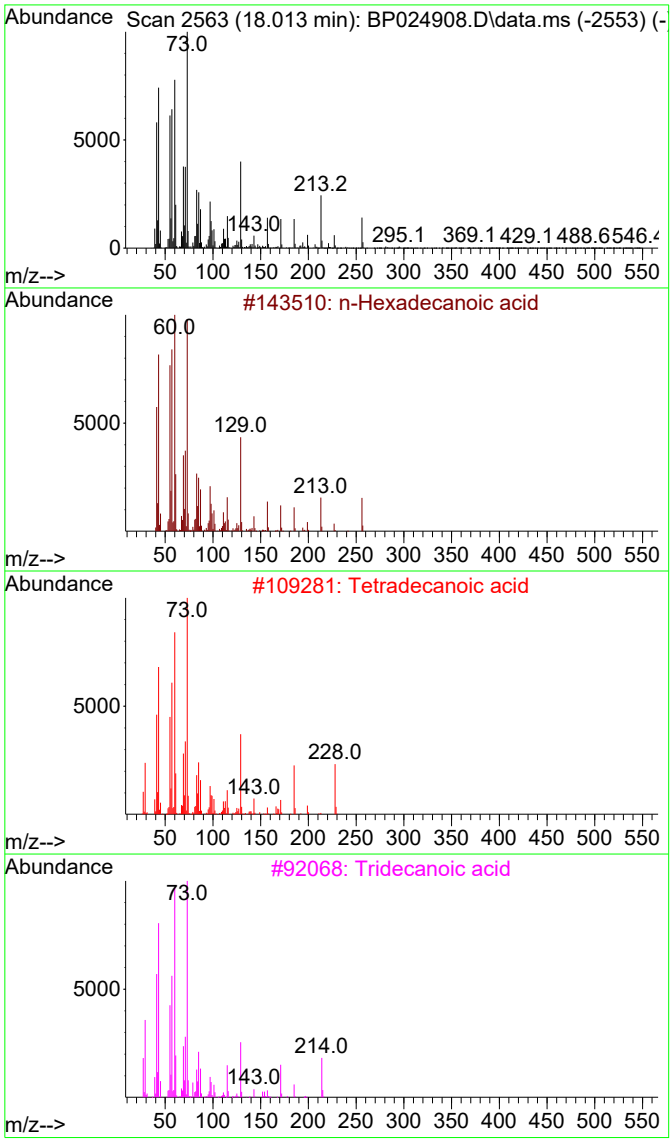
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

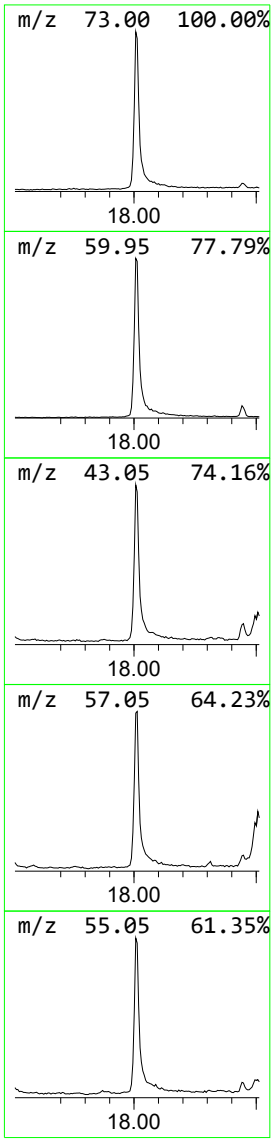
****

Peak Number 4 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.013	14.61 ng	1803990	Phenanthrene-d10	17.066

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	93
3	Tridecanoic acid	214	C13H26O2	000638-53-9	90
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	87
5	Octadecanoic acid	284	C18H36O2	000057-11-4	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061125\
Data File : BP024908.D
Acq On : 11 Jun 2025 12:18
Operator : RC/JU
Sample : Q2176-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-25

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

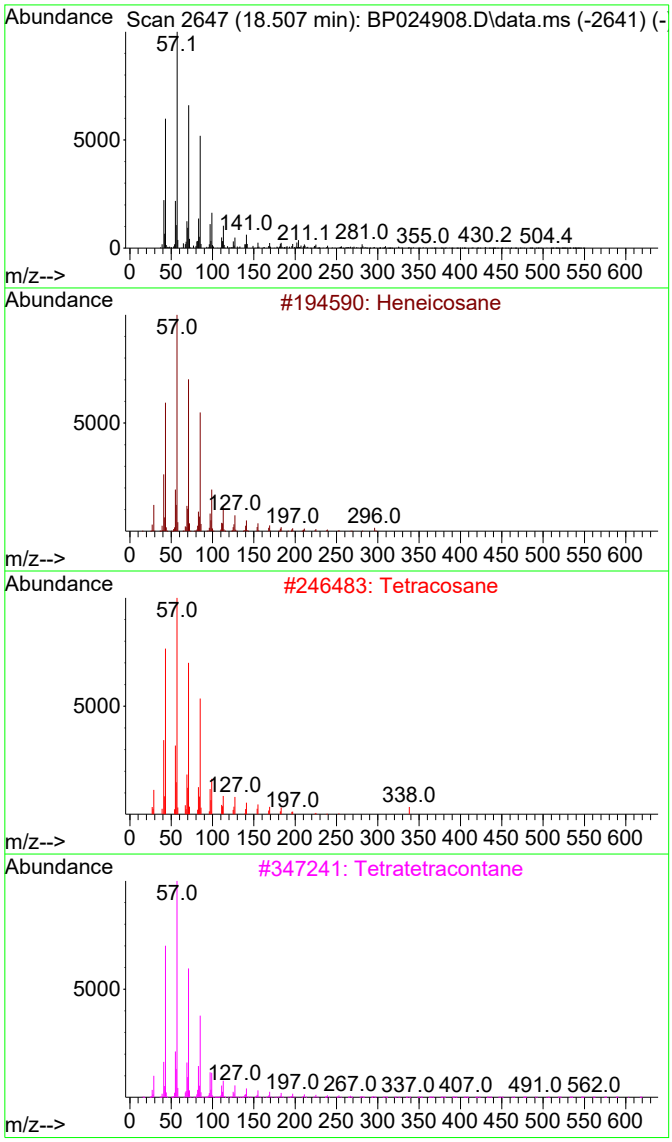
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

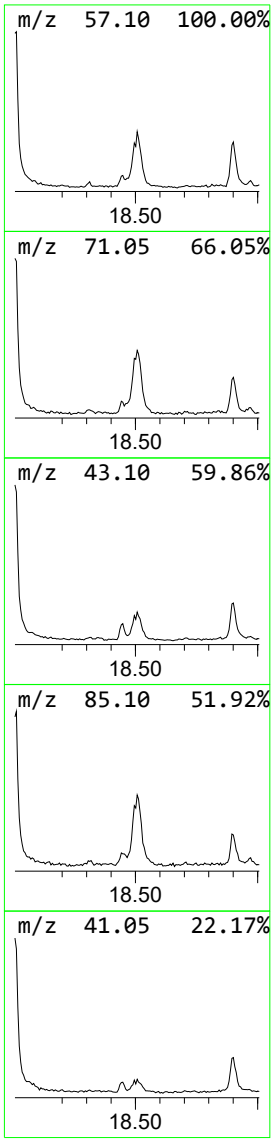
****

Peak Number 5 Heneicosane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.507	2.39 ng	294729	Phenanthrene-d10	17.066

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	87
2	Tetracosane	338	C24H50	000646-31-1	86
3	Tetratetracontane	619	C44H90	007098-22-8	76
4	Eicosane	282	C20H42	000112-95-8	76
5	Hexacosane	366	C26H54	000630-01-3	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061125\
Data File : BP024908.D
Acq On : 11 Jun 2025 12:18
Operator : RC/JU
Sample : Q2176-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-25

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

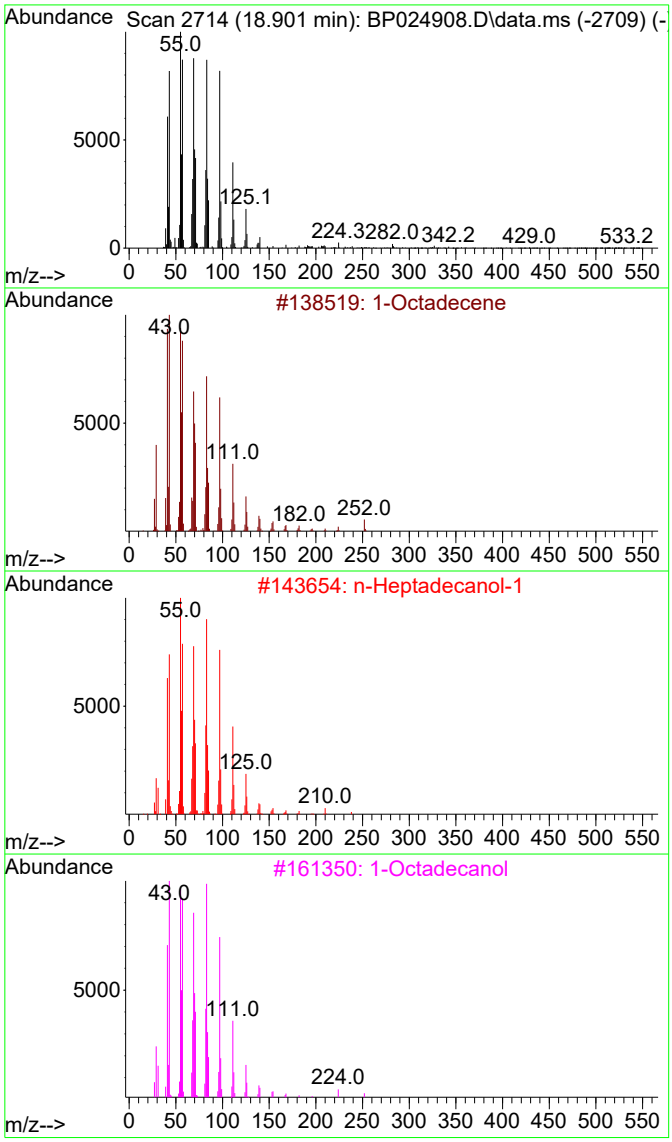
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

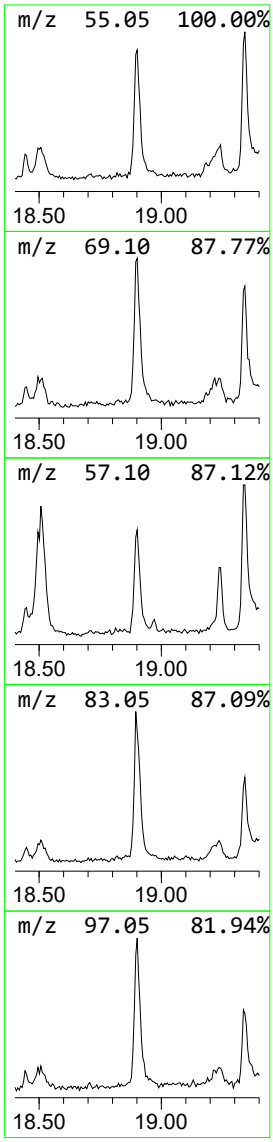
****

Peak Number 6 1-Octadecene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.901	3.92 ng	483559	Phenanthrene-d10	17.066

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Octadecene	252	C18H36	000112-88-9	99
2	n-Heptadecanol-1	256	C17H36O	001454-85-9	94
3	1-Octadecanol	270	C18H38O	000112-92-5	94
4	n-Nonadecanol-1	284	C19H40O	001454-84-8	94
5	Trifluoroacetic acid, pentadecyl...	324	C17H31F3O2	959010-23-2	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061125\
Data File : BP024908.D
Acq On : 11 Jun 2025 12:18
Operator : RC/JU
Sample : Q2176-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-25

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

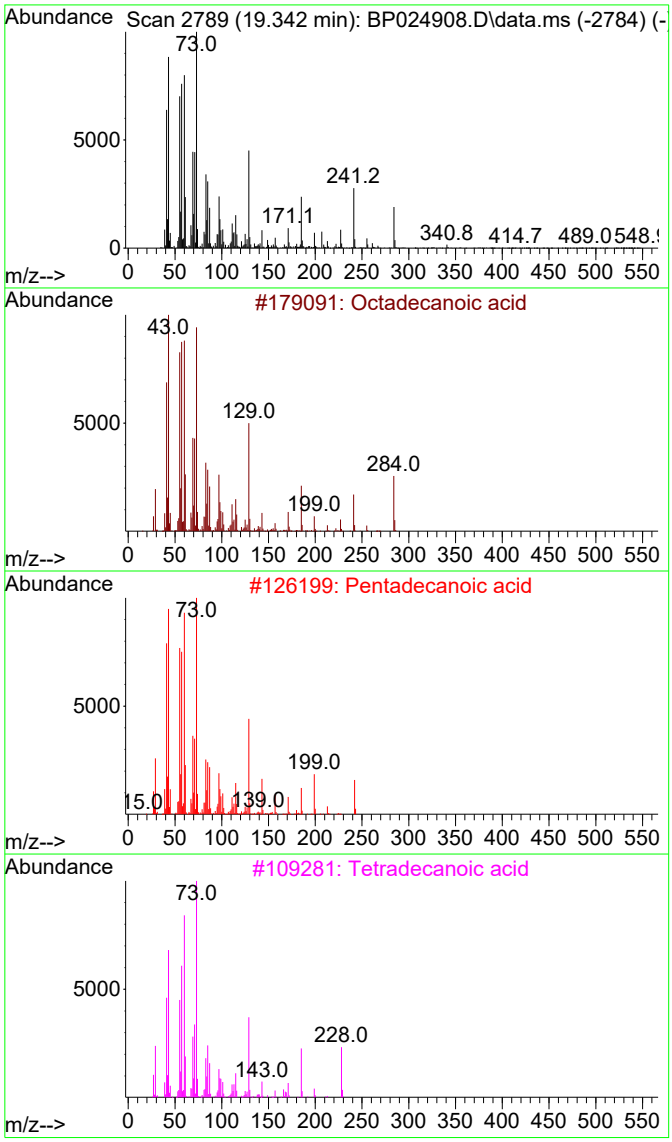
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

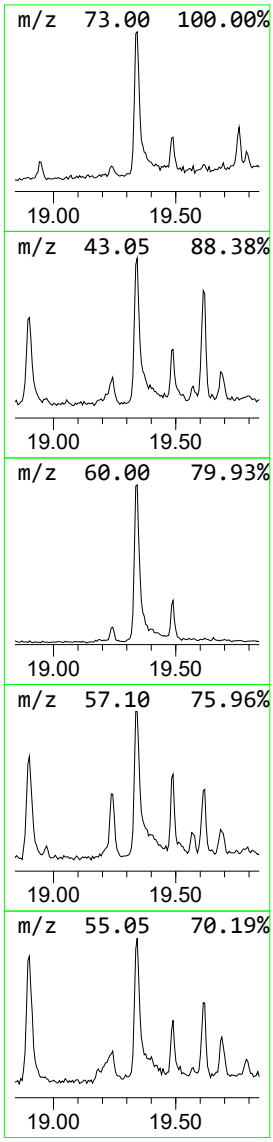
****

Peak Number 8 Octadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.342	4.45 ng	811111	Chrysene-d12	21.501

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	89
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	87
4	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	70
5	n-Decanoic acid	172	C10H20O2	000334-48-5	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061125\
Data File : BP024908.D
Acq On : 11 Jun 2025 12:18
Operator : RC/JU
Sample : Q2176-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-25

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

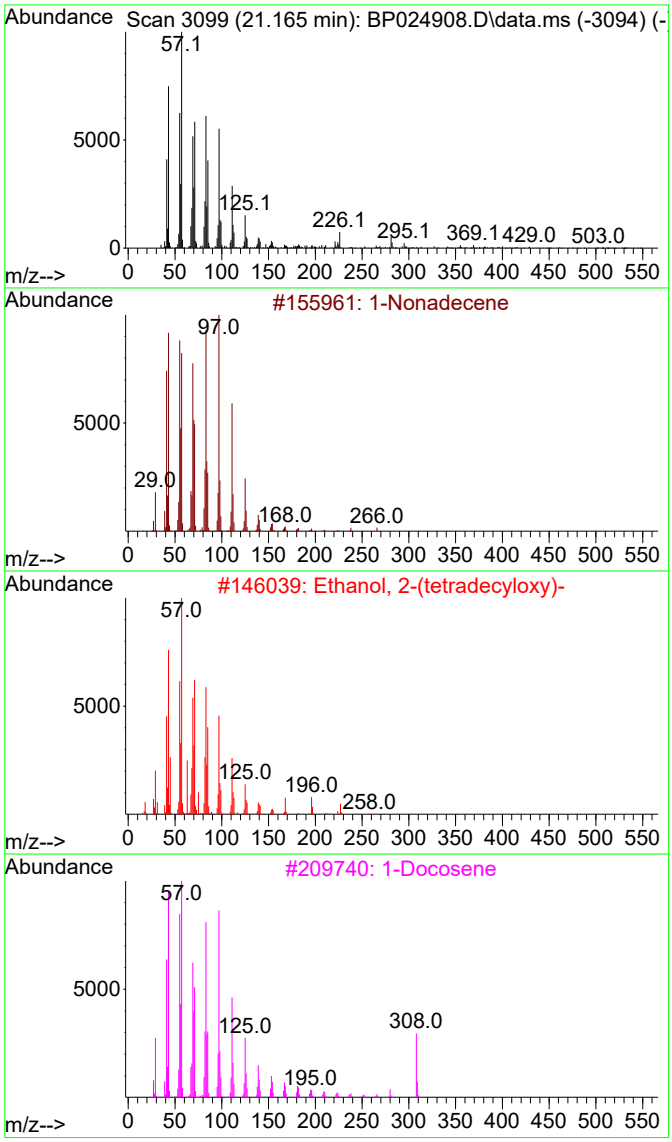
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

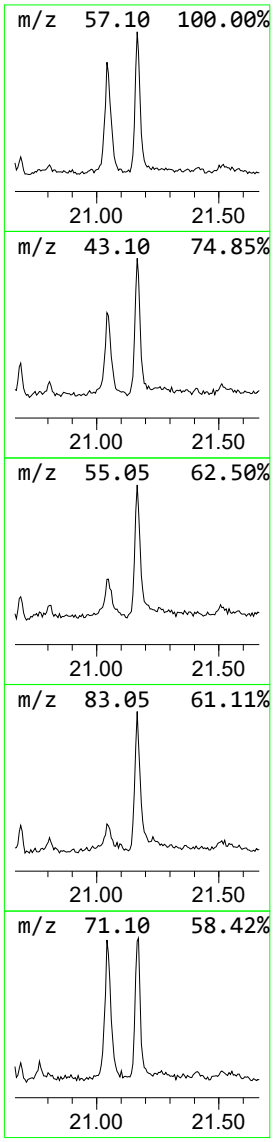
****

Peak Number 9 1-Nonadecene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.165	4.40 ng	801502	Chrysene-d12	21.501

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Nonadecene	266	C19H38	018435-45-5	97
2	Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	96
3	1-Docosene	308	C22H44	001599-67-3	95
4	Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	95
5	Pentadecafluorooctanoic acid, he...	638	C24H33F15O2	1000406-04-6	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061125\
Data File : BP024908.D
Acq On : 11 Jun 2025 12:18
Operator : RC/JU
Sample : Q2176-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-25

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

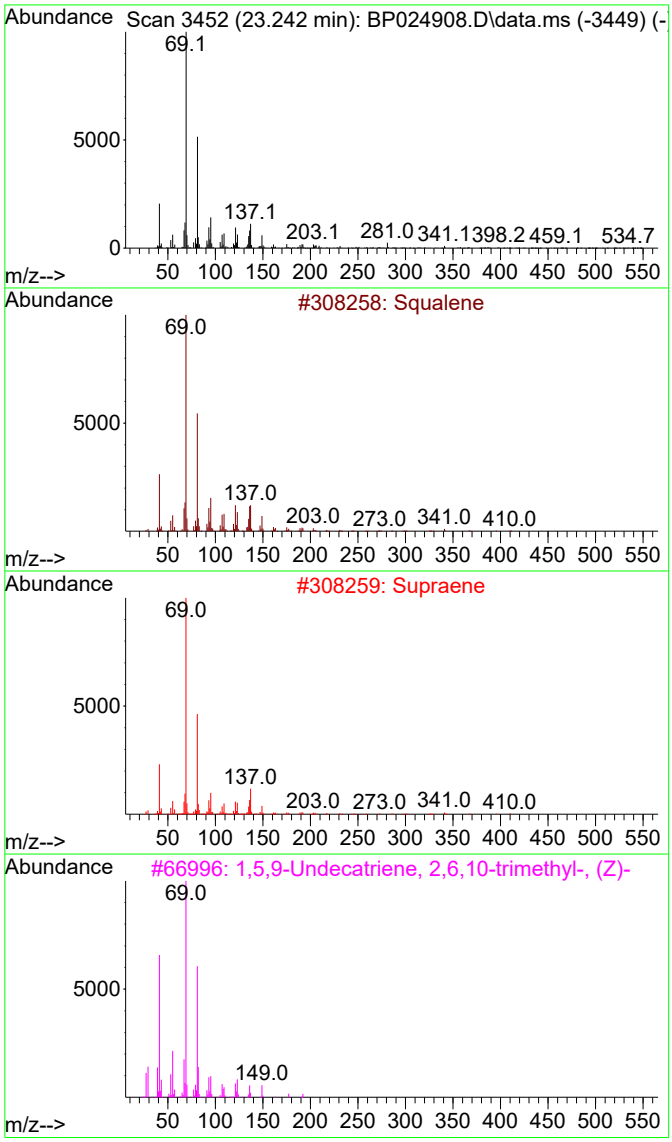
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

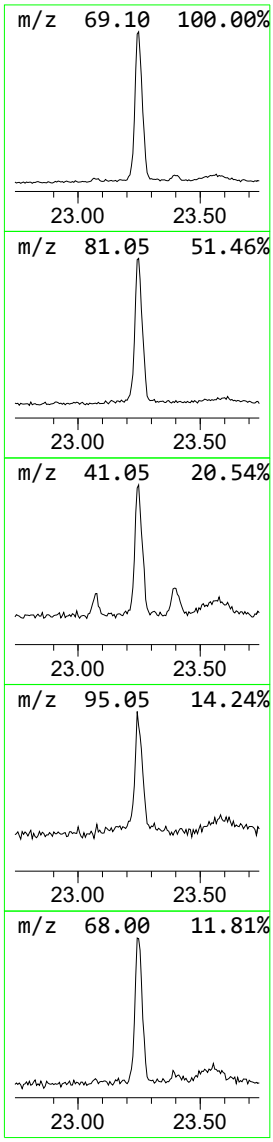
****

Peak Number 10 Squalene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.242	4.25 ng	862400	Perylene-d12	24.771

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Squalene	410	C30H50	000111-02-4	91
2	Supraene	410	C30H50	007683-64-9	90
3	1,5,9-Undecatriene, 2,6,10-trime...	192	C14H24	062951-96-6	87
4	2,6,10,14-Hexadecatetraenoic aci...	332	C22H36O2	024035-35-6	76
5	4,9,13,17-Tetramethyl-4,8,12,16-...	316	C22H36O	056882-09-8	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061125\
Data File : BP024908.D
Acq On : 11 Jun 2025 12:18
Operator : RC/JU
Sample : Q2176-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-25

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

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-...	4.772	5.8	ng	345050	1	7.613	1185390	20.0
Benzophenone	15.648	9.9	ng	1026520	3	14.254	2081240	20.0
Cyclotetradecane	17.471	4.8	ng	588769	4	17.066	2469570	20.0
n-Hexadecanoic ...	18.013	14.6	ng	1803990	4	17.066	2469570	20.0
Heneicosane	18.507	2.4	ng	294729	4	17.066	2469570	20.0
1-Octadecene	18.901	3.9	ng	483559	4	17.066	2469570	20.0
Octadecanoic acid	19.342	4.5	ng	811111	5	21.501	3641660	20.0
1-Nonadecene	21.165	4.4	ng	801502	5	21.501	3641660	20.0
Squalene	23.242	4.3	ng	862400	6	24.771	4055410	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024901.D
Acq On : 10 Jun 2025 19:51
Operator : RC/JU
Sample : Q2176-04 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-26

Quant Time: Jun 11 02:05:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration

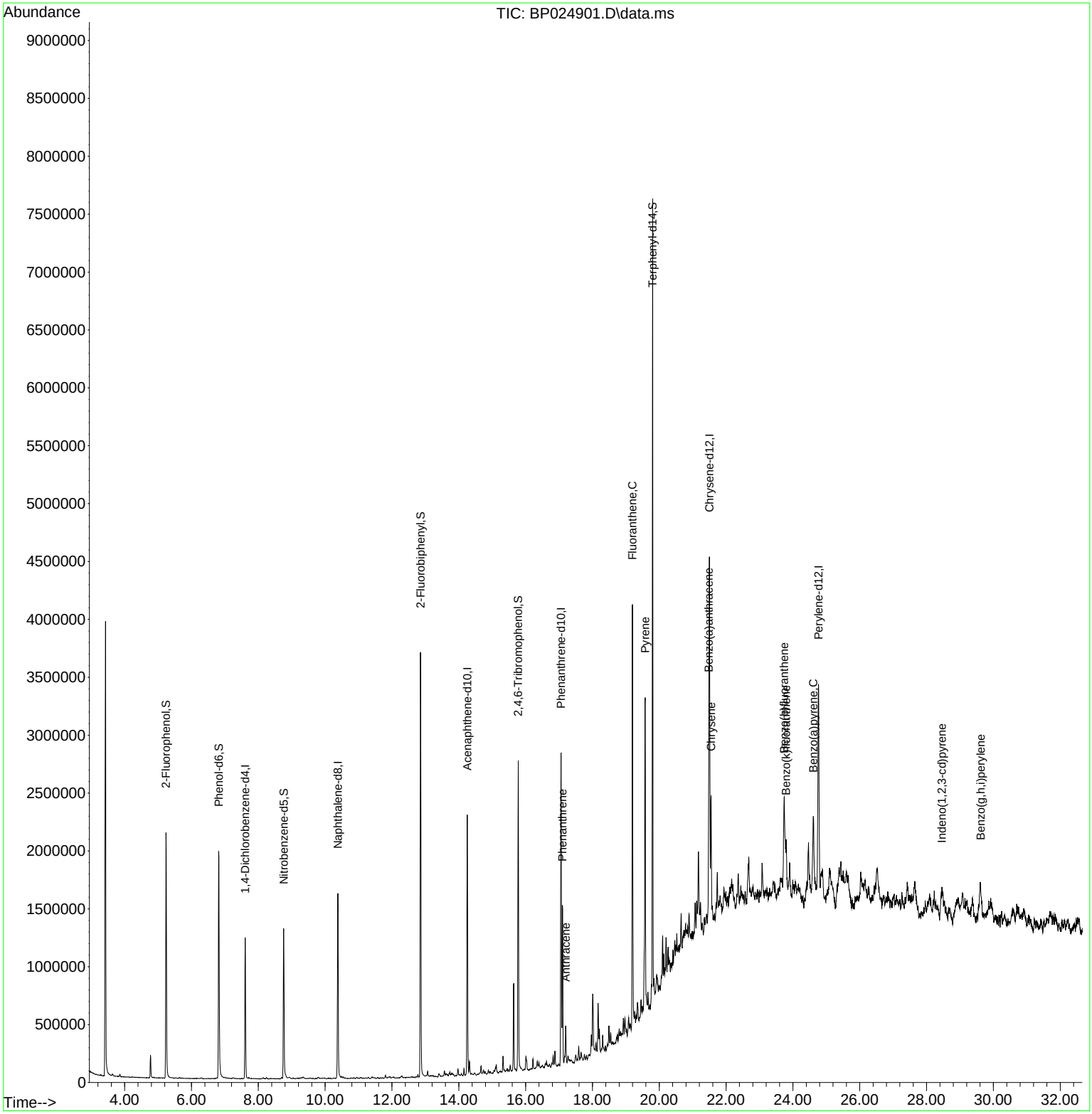
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.608	152	331428	20.000	ng		0.00
21) Naphthalene-d8	10.378	136	1353167	20.000	ng		0.00
39) Acenaphthene-d10	14.254	164	851560	20.000	ng		0.00
64) Phenanthrene-d10	17.060	188	1568912	20.000	ng		0.00
76) Chrysene-d12	21.501	240	1528631	20.000	ng		0.02
86) Perylene-d12	24.766	264	1800536	20.000	ng		0.05
System Monitoring Compounds							
5) 2-Fluorophenol	5.237	112	986538	49.686	ng		0.00
7) Phenol-d6	6.814	99	1286457	48.969	ng		0.00
23) Nitrobenzene-d5	8.761	82	811243	29.132	ng		0.00
42) 2,4,6-Tribromophenol	15.778	330	571255	48.521	ng		0.00
45) 2-Fluorobiphenyl	12.854	172	1994483	31.552	ng		0.00
79) Terphenyl-d14	19.801	244	2816385	33.021	ng		0.00
Target Compounds							Qvalue
71) Phenanthrene	17.101	178	892175	10.290	ng		100
72) Anthracene	17.201	178	222160	2.530	ng		100
75) Fluoranthene	19.195	202	1979200	19.696	ng		99
78) Pyrene	19.578	202	1639303	17.165	ng		100
81) Benzo(a)anthracene	21.483	228	716631	7.330	ng		99
83) Chrysene	21.548	228	744662	8.038	ng		96
87) Indeno(1,2,3-cd)pyrene	28.459	276	441583	3.361	ng	#	95
88) Benzo(b)fluoranthene	23.736	252	884835	8.587	ng	#	95
89) Benzo(k)fluoranthene	23.795	252	371610m	3.543	ng		
90) Benzo(a)pyrene	24.607	252	620829	6.169	ng	#	93
92) Benzo(g,h,i)perylene	29.618	276	431887	4.071	ng		95

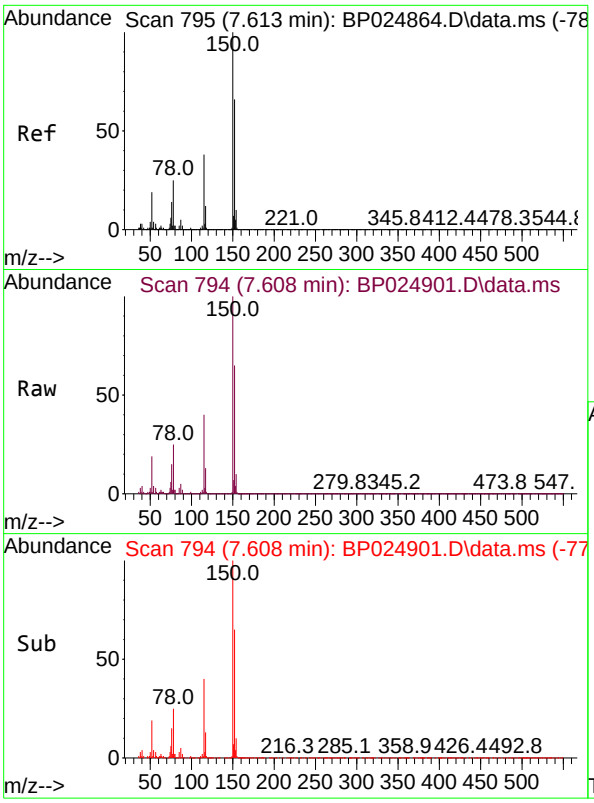
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024901.D
Acq On : 10 Jun 2025 19:51
Operator : RC/JU
Sample : Q2176-04 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-26

Quant Time: Jun 11 02:05:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration



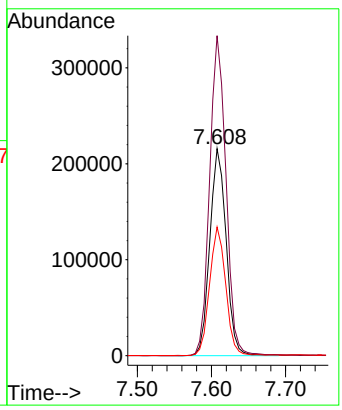


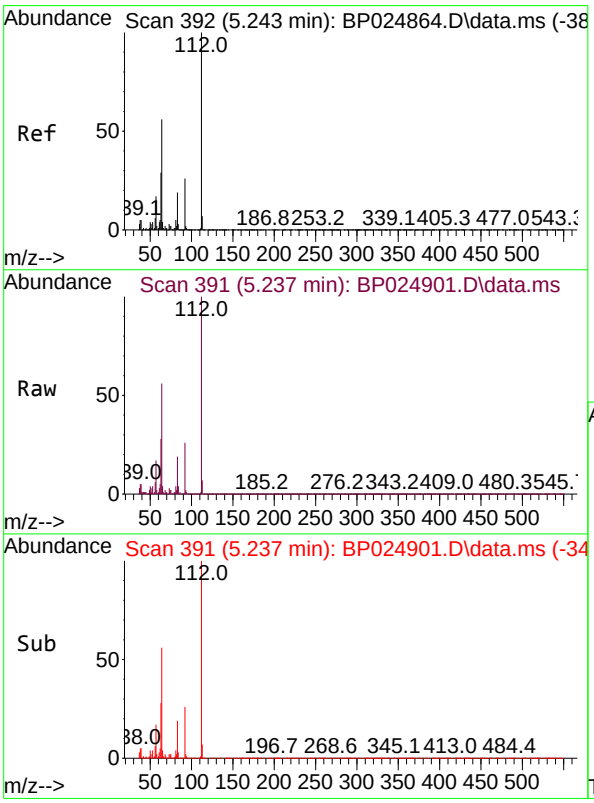
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.608 min Scan# 7
Delta R.T. -0.005 min
Lab File: BP024901.D
Acq: 10 Jun 2025 19:51

Instrument :
BNA_P
ClientSampleId :
TP-26

Tgt Ion:152 Resp: 331428

Ion	Ratio	Lower	Upper
152	100		
150	154.6	122.1	183.1
115	62.2	46.4	69.6

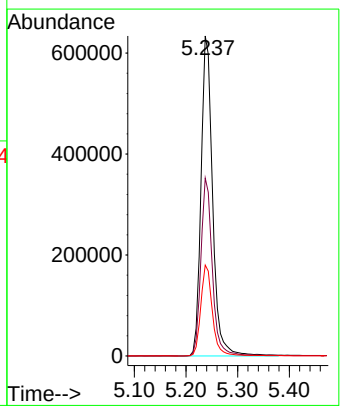


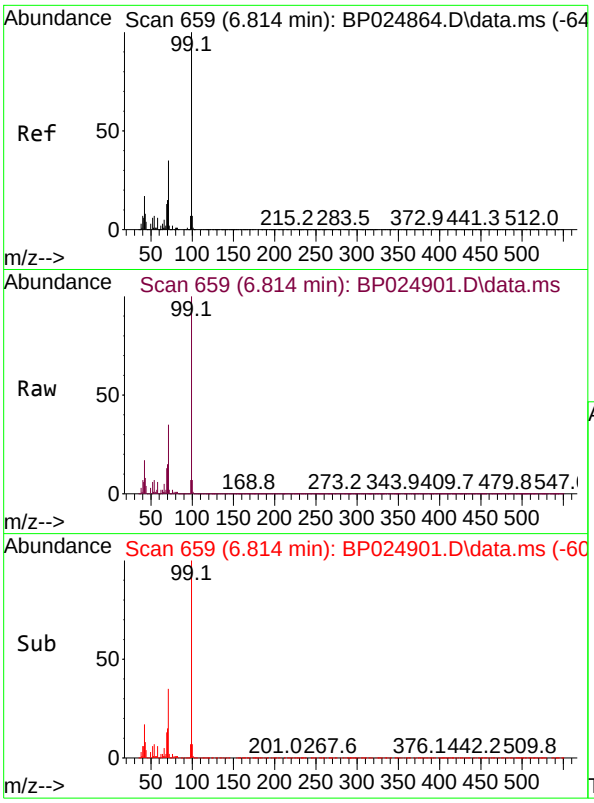


#5
2-Fluorophenol
Concen: 49.686 ng
RT: 5.237 min Scan# 391
Delta R.T. -0.006 min
Lab File: BP024901.D
Acq: 10 Jun 2025 19:51

Tgt Ion:112 Resp: 986538

Ion	Ratio	Lower	Upper
112	100		
64	55.6	44.7	67.1
63	28.4	23.5	35.3



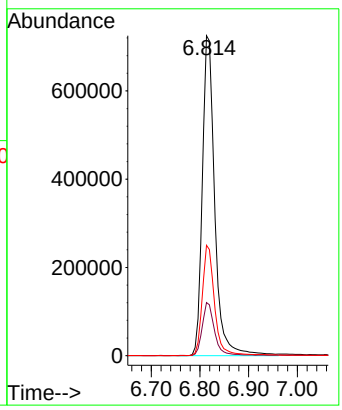


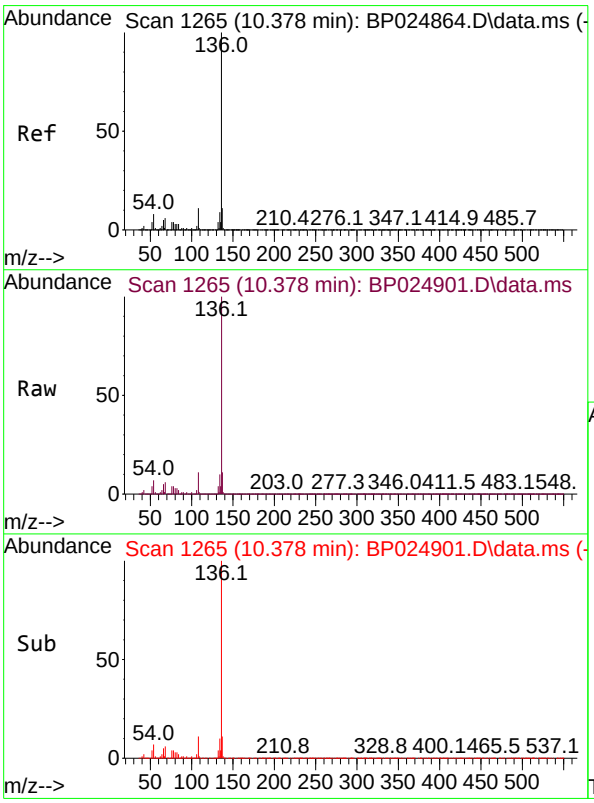
#7
Phenol-d6
Concen: 48.969 ng
RT: 6.814 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024901.D
Acq: 10 Jun 2025 19:51

Instrument :
BNA_P
ClientSampleId :
TP-26

Tgt Ion: 99 Resp: 1286457

Ion	Ratio	Lower	Upper
99	100		
42	16.6	13.4	20.2
71	34.5	27.6	41.4

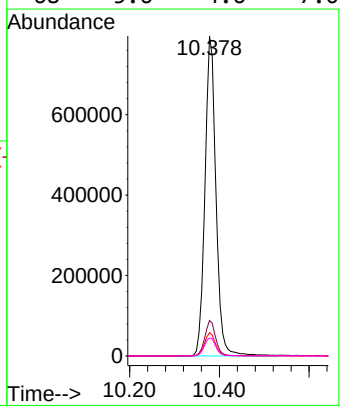


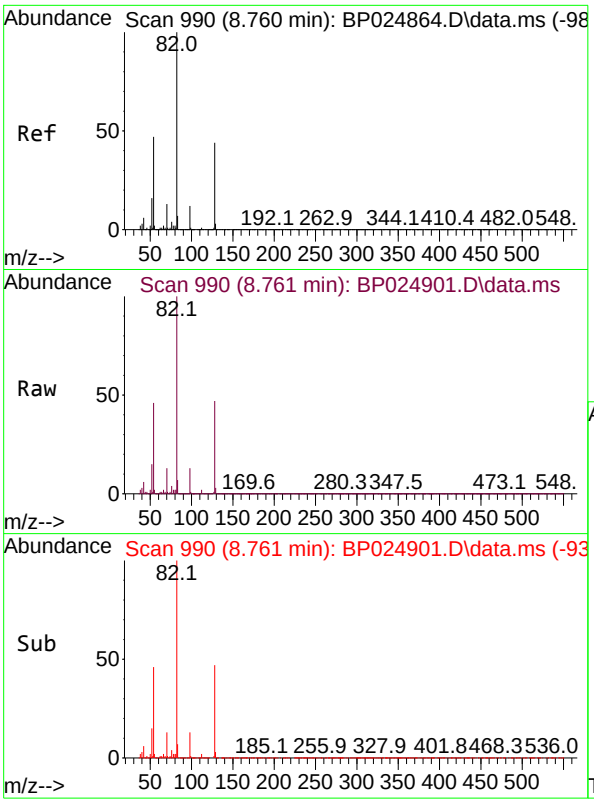


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.378 min Scan# 1265
Delta R.T. 0.000 min
Lab File: BP024901.D
Acq: 10 Jun 2025 19:51

Tgt Ion:136 Resp: 1353167

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	7.3	6.1	9.1
68	5.6	4.6	7.0



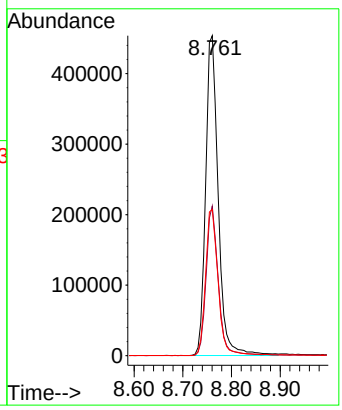


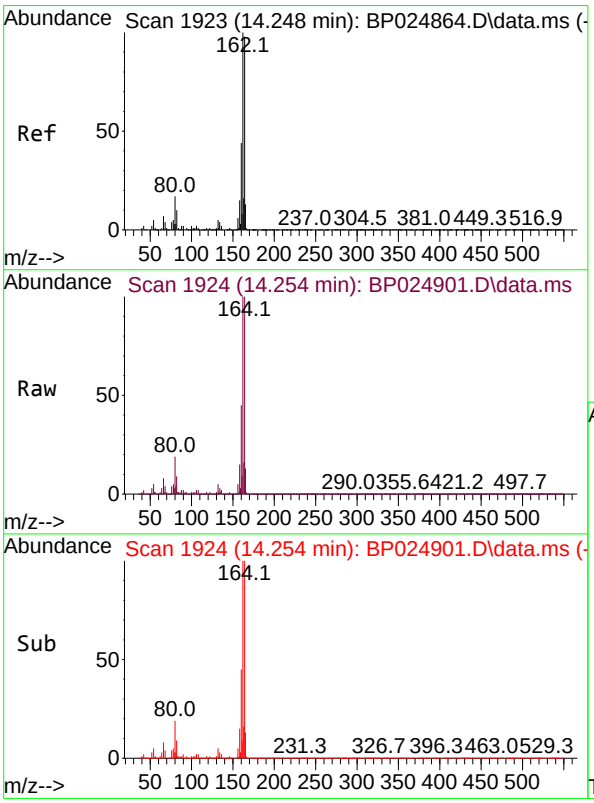
#23
Nitrobenzene-d5
Concen: 29.132 ng
RT: 8.761 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP024901.D
Acq: 10 Jun 2025 19:51

Instrument :
BNA_P
ClientSampleId :
TP-26

Tgt Ion: 82 Resp: 811243

Ion	Ratio	Lower	Upper
82	100		
128	46.7	35.3	52.9
54	45.7	37.4	56.0

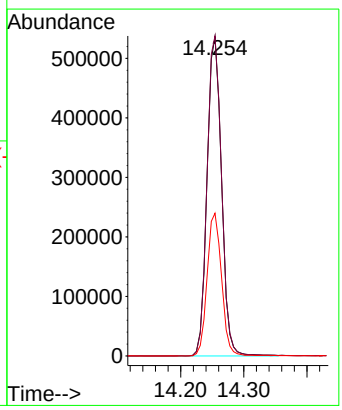


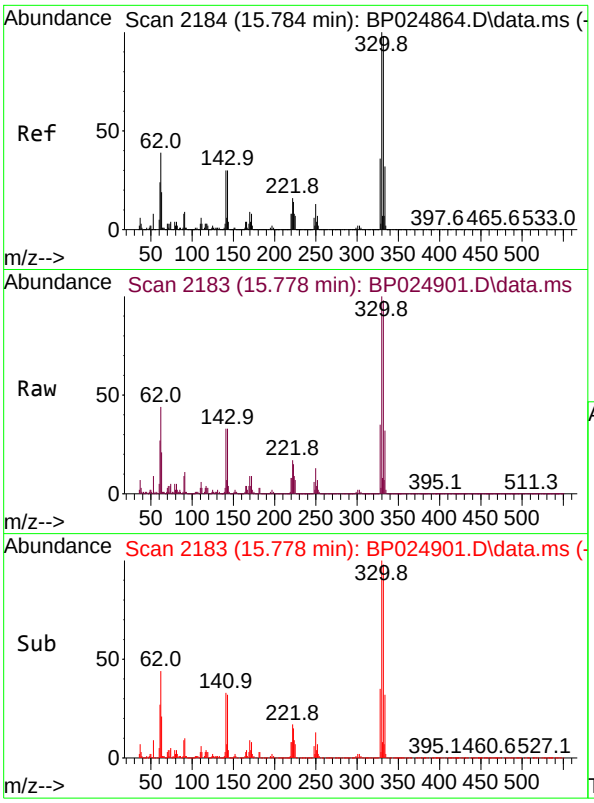


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.254 min Scan# 1924
Delta R.T. 0.006 min
Lab File: BP024901.D
Acq: 10 Jun 2025 19:51

Tgt Ion:164 Resp: 851560

Ion	Ratio	Lower	Upper
164	100		
162	100.3	81.6	122.4
160	44.7	36.2	54.2



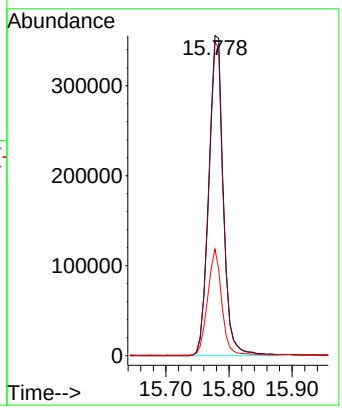


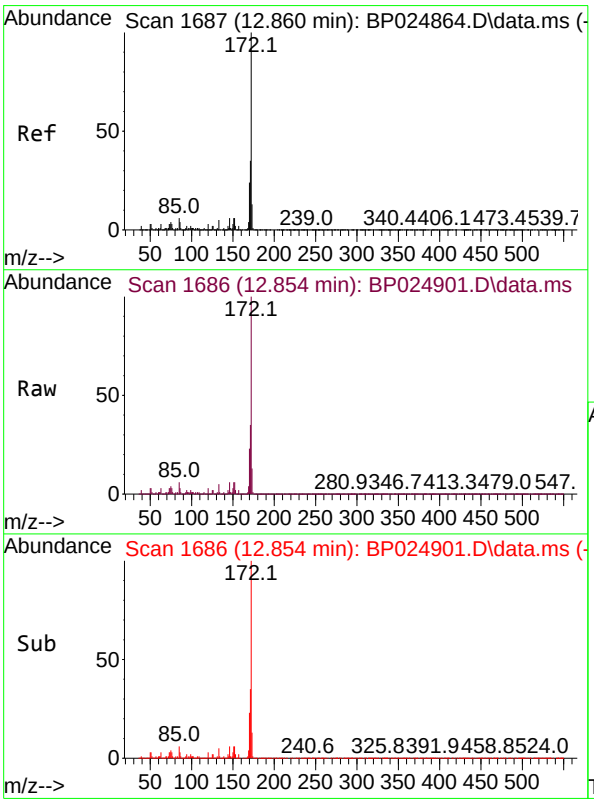
#42
2,4,6-Tribromophenol
Concen: 48.521 ng
RT: 15.778 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024901.D
Acq: 10 Jun 2025 19:51

Instrument :
BNA_P
ClientSampleId :
TP-26

Tgt Ion:330 Resp: 571255

Ion	Ratio	Lower	Upper
330	100		
332	97.6	77.7	116.5
141	31.9	26.4	39.6

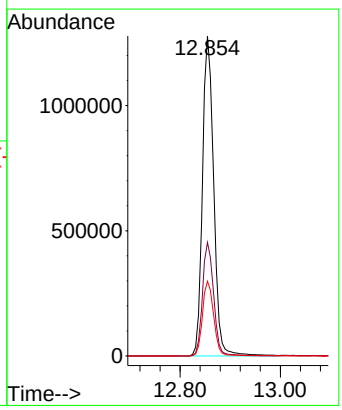


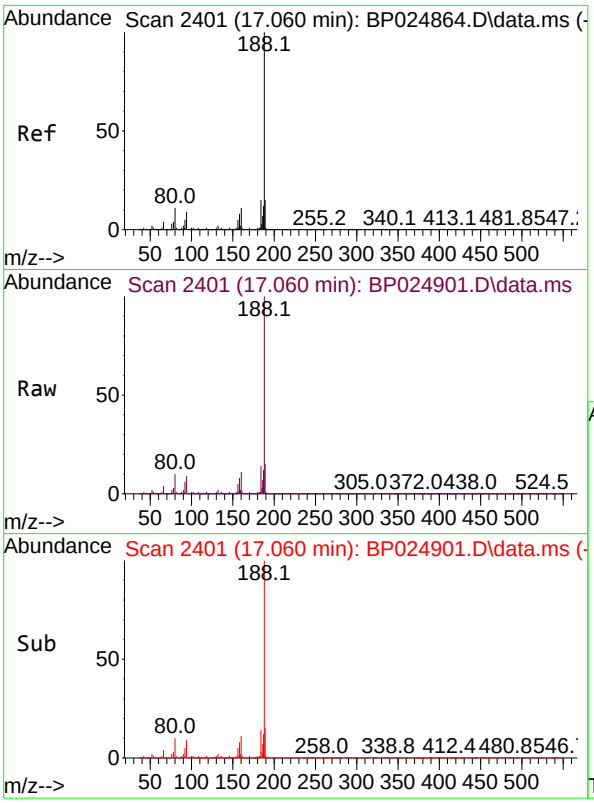


#45
2-Fluorobiphenyl
Concen: 31.552 ng
RT: 12.854 min Scan# 1686
Delta R.T. -0.006 min
Lab File: BP024901.D
Acq: 10 Jun 2025 19:51

Tgt Ion:172 Resp: 1994483

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.3	42.5
170	23.4	19.0	28.4



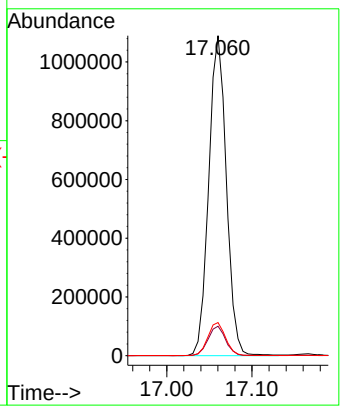


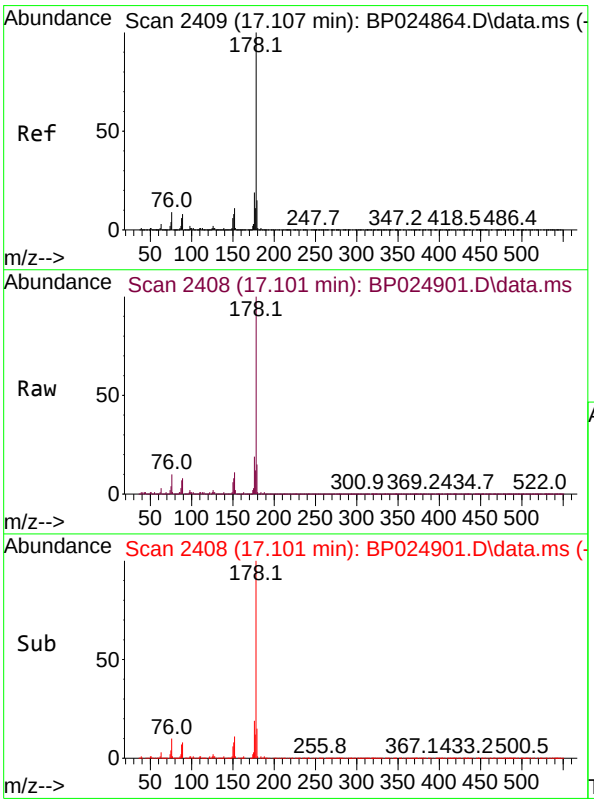
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.060 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP024901.D
Acq: 10 Jun 2025 19:51

Instrument :
BNA_P
ClientSampleId :
TP-26

Tgt Ion:188 Resp: 1568912

Ion	Ratio	Lower	Upper
188	100		
94	9.2	7.3	10.9
80	10.4	8.5	12.7

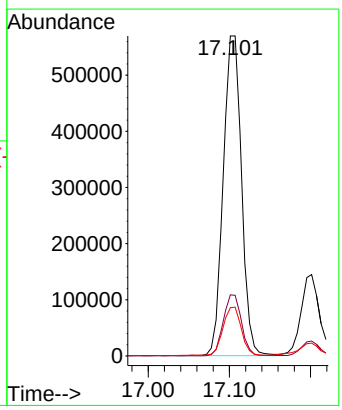


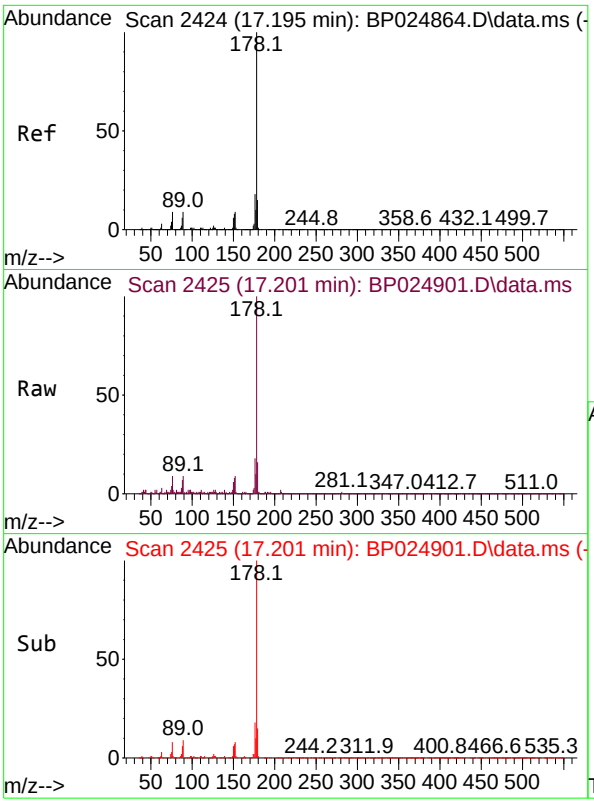


#71
Phenanthrene
Concen: 10.290 ng
RT: 17.101 min Scan# 2408
Delta R.T. -0.006 min
Lab File: BP024901.D
Acq: 10 Jun 2025 19:51

Tgt Ion:178 Resp: 892175

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.1	12.1	18.1



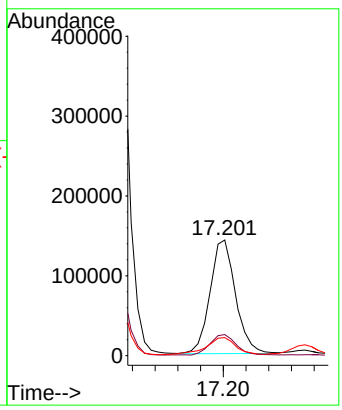


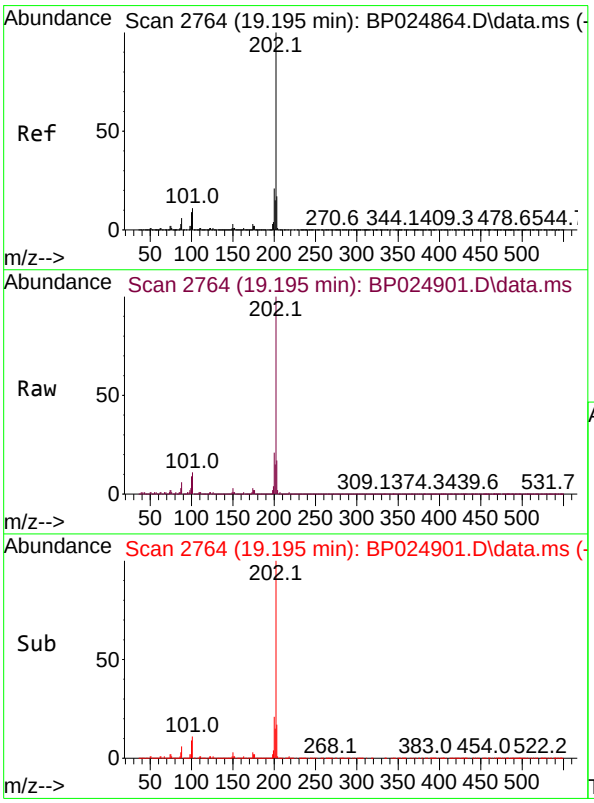
#72
Anthracene
Concen: 2.530 ng
RT: 17.201 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP024901.D
Acq: 10 Jun 2025 19:51

Instrument :
BNA_P
ClientSampleId :
TP-26

Tgt Ion:178 Resp: 222160

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.7	22.1
179	15.7	12.3	18.5

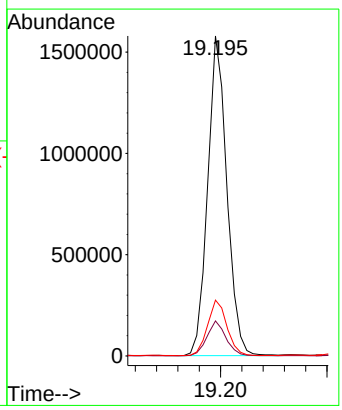


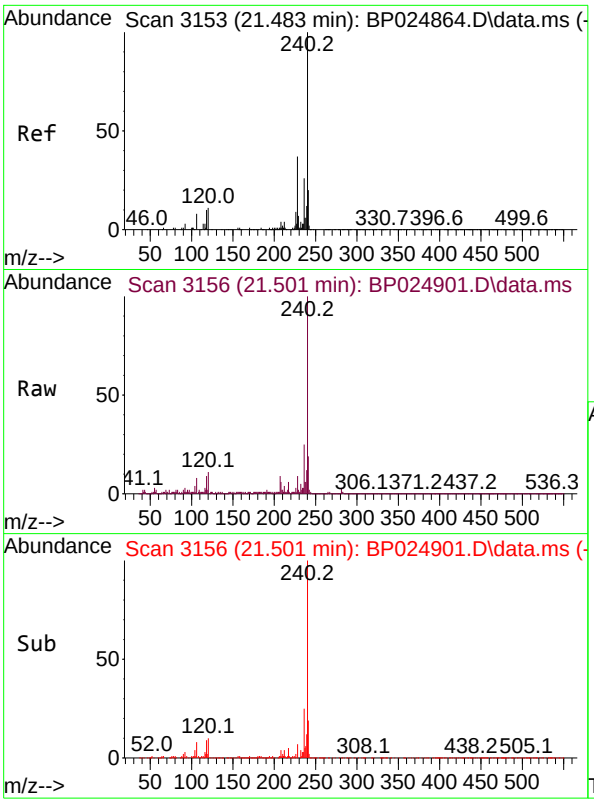


#75
Fluoranthene
Concen: 19.696 ng
RT: 19.195 min Scan# 2764
Delta R.T. 0.000 min
Lab File: BP024901.D
Acq: 10 Jun 2025 19:51

Tgt Ion:202 Resp: 1979200

Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	31.4
203	17.4	0.0	37.5



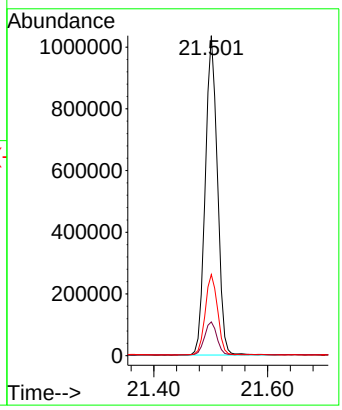


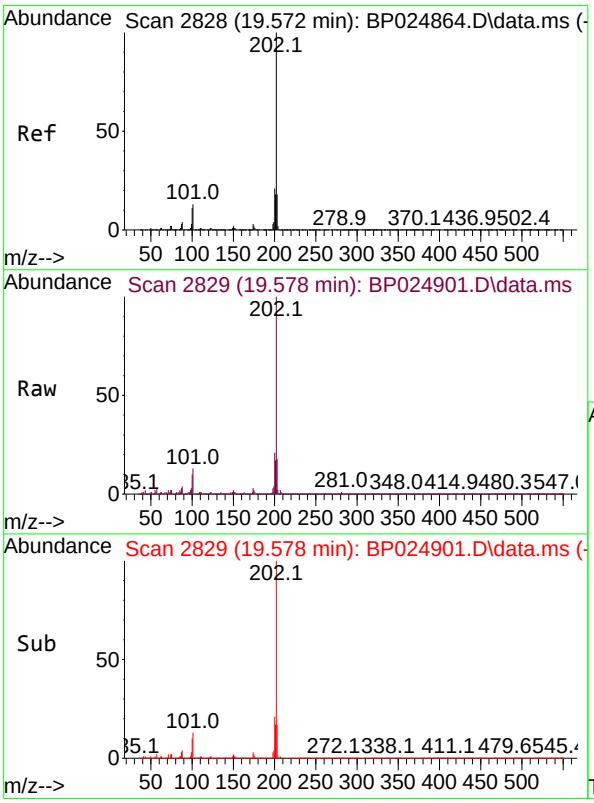
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.501 min Scan# 3
Delta R.T. 0.018 min
Lab File: BP024901.D
Acq: 10 Jun 2025 19:51

Instrument :
BNA_P
ClientSampleId :
TP-26

Tgt Ion:240 Resp: 1528631

Ion	Ratio	Lower	Upper
240	100		
120	10.6	8.9	13.3
236	25.4	20.9	31.3

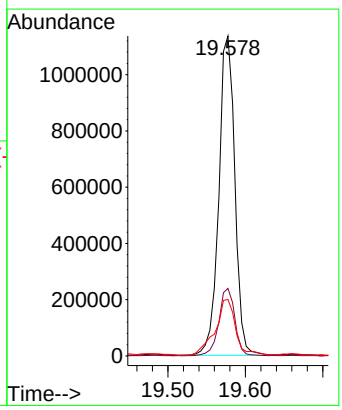


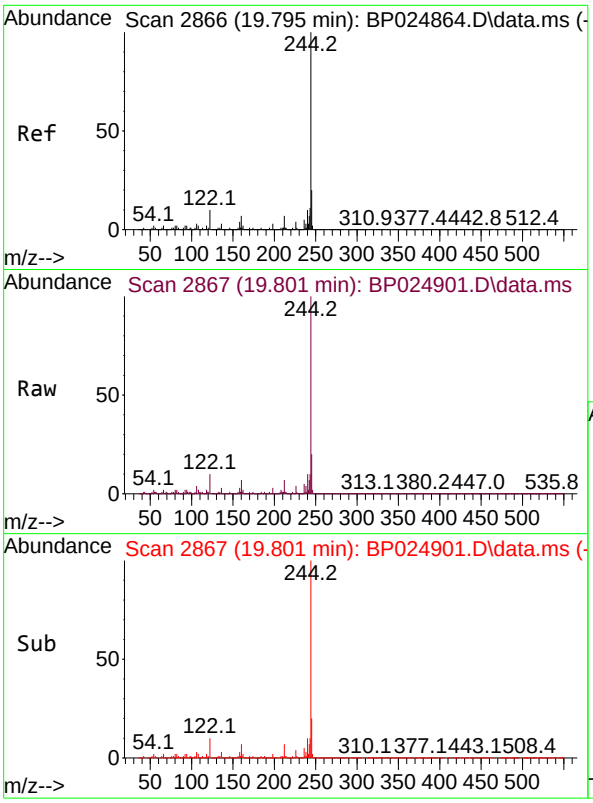


#78
Pyrene
Concen: 17.165 ng
RT: 19.578 min Scan# 2829
Delta R.T. 0.006 min
Lab File: BP024901.D
Acq: 10 Jun 2025 19:51

Tgt Ion:202 Resp: 1639303

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.1	25.7
203	17.6	14.0	21.0



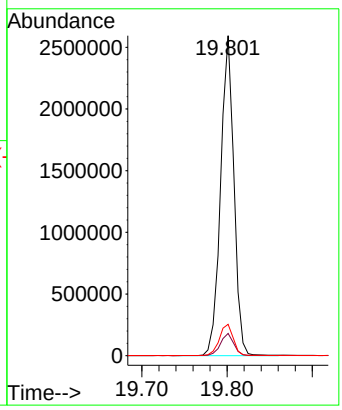


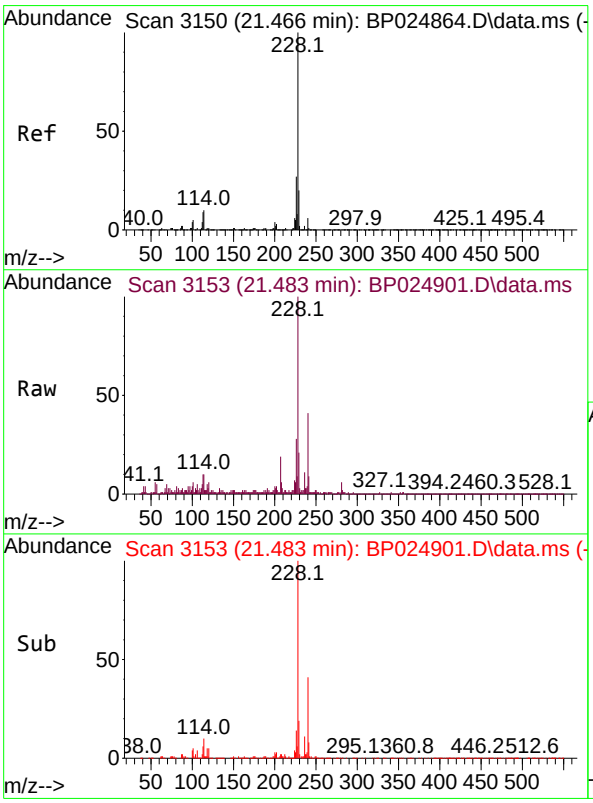
#79
Terphenyl-d14
Concen: 33.021 ng
RT: 19.801 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024901.D
Acq: 10 Jun 2025 19:51

Instrument :
BNA_P
ClientSampleId :
TP-26

Tgt Ion:244 Resp: 2816385

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	9.8	7.7	11.5

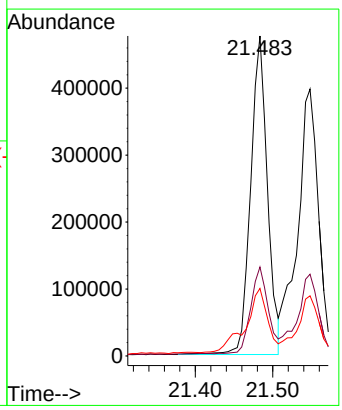


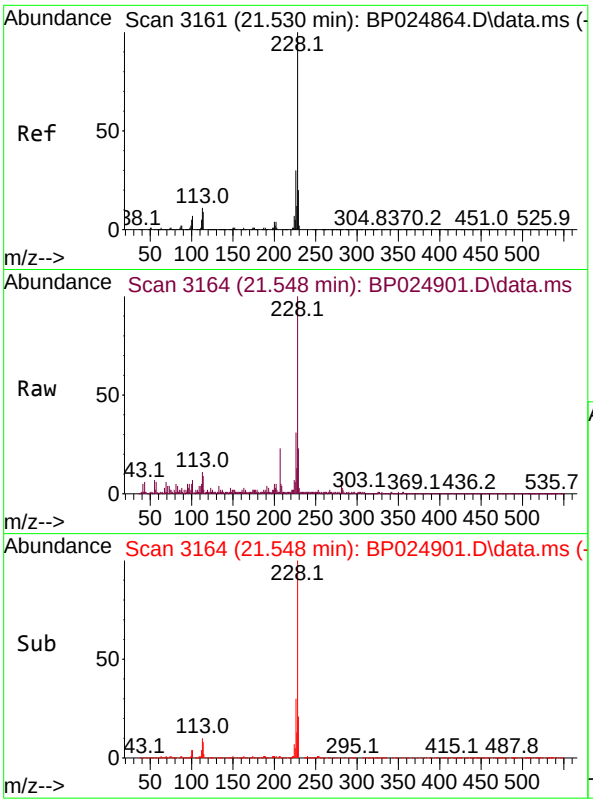


#81
Benzo(a)anthracene
Concen: 7.330 ng
RT: 21.483 min Scan# 3153
Delta R.T. 0.018 min
Lab File: BP024901.D
Acq: 10 Jun 2025 19:51

Tgt Ion:228 Resp: 716631

Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.1	33.1
229	21.1	15.9	23.9



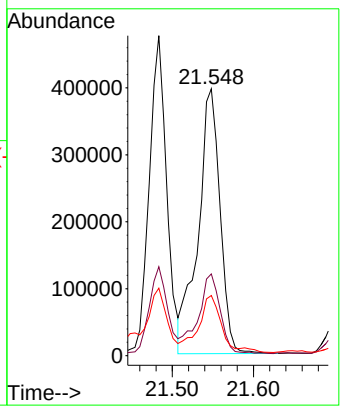


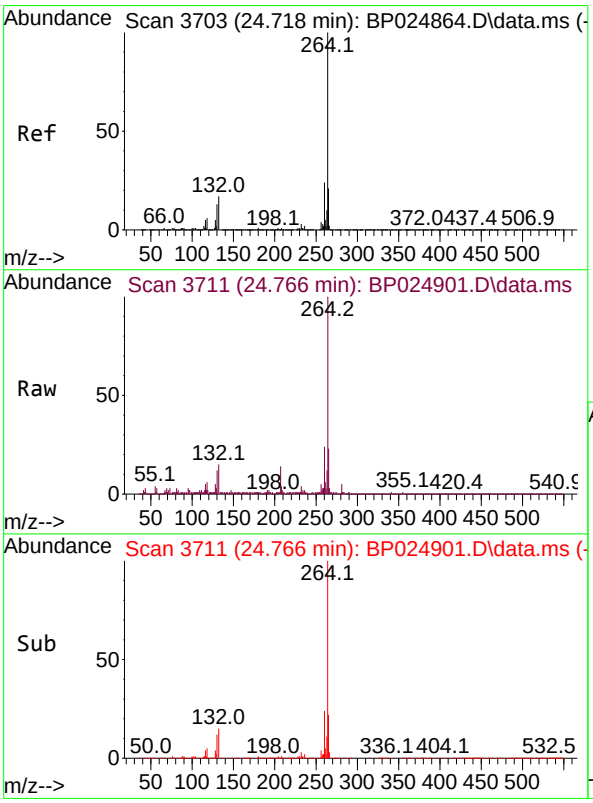
#83
Chrysene
Concen: 8.038 ng
RT: 21.548 min Scan# 3
Delta R.T. 0.018 min
Lab File: BP024901.D
Acq: 10 Jun 2025 19:51

Instrument :
BNA_P
ClientSampleId :
TP-26

Tgt Ion:228 Resp: 744662

Ion	Ratio	Lower	Upper
228	100		
226	30.7	23.8	35.6
229	22.6	15.6	23.4

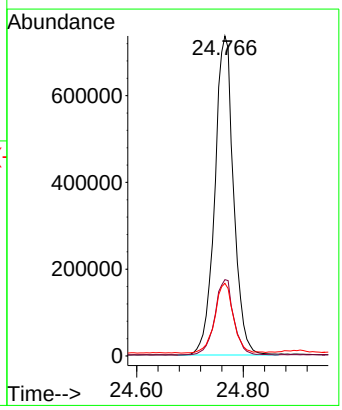


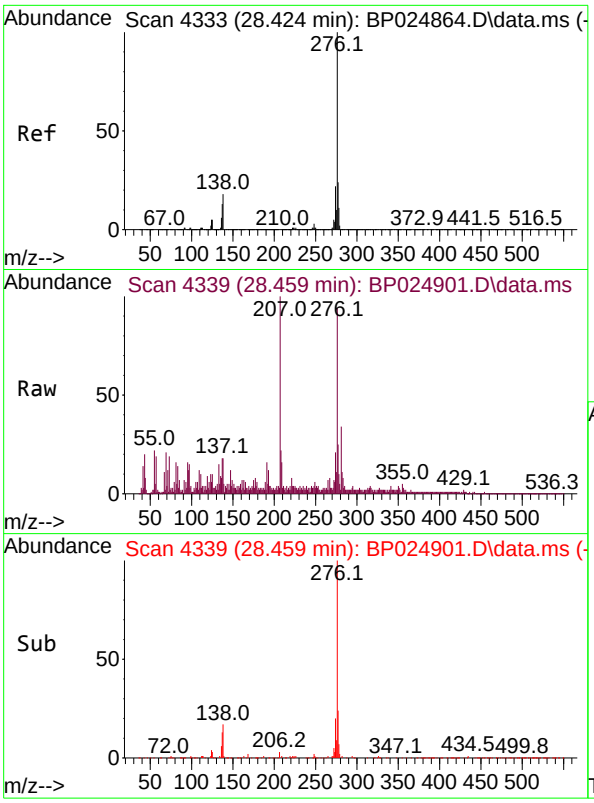


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.766 min Scan# 3711
Delta R.T. 0.047 min
Lab File: BP024901.D
Acq: 10 Jun 2025 19:51

Tgt Ion:264 Resp: 1800536

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.0	28.4
265	22.7	17.4	26.0



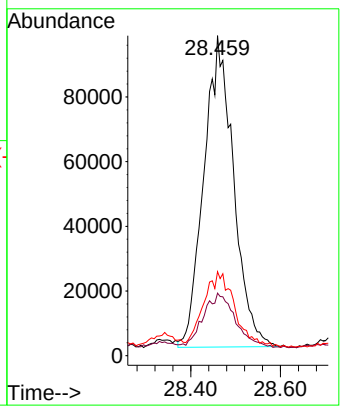


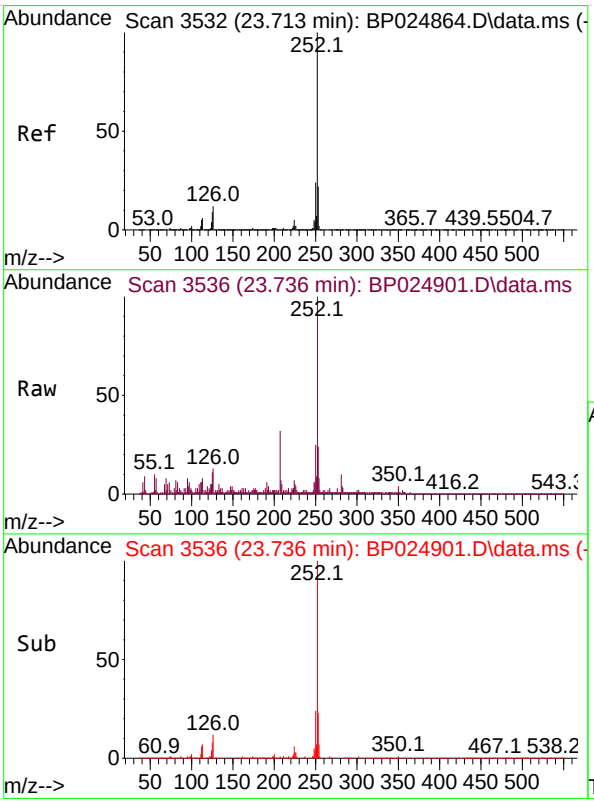
#87
Indeno(1,2,3-cd)pyrene
Concen: 3.361 ng
RT: 28.459 min Scan# 4
Delta R.T. 0.035 min
Lab File: BP024901.D
Acq: 10 Jun 2025 19:51

Instrument :
BNA_P
ClientSampleId :
TP-26

Tgt Ion:276 Resp: 441583

Ion	Ratio	Lower	Upper
276	100		
138	18.2	18.6	27.8#
277	25.1	20.2	30.4

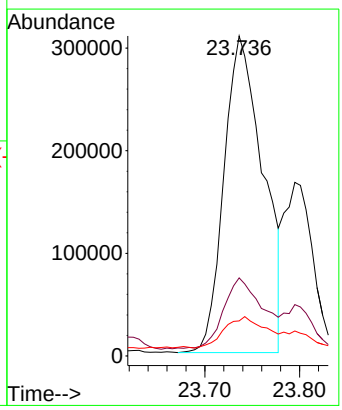


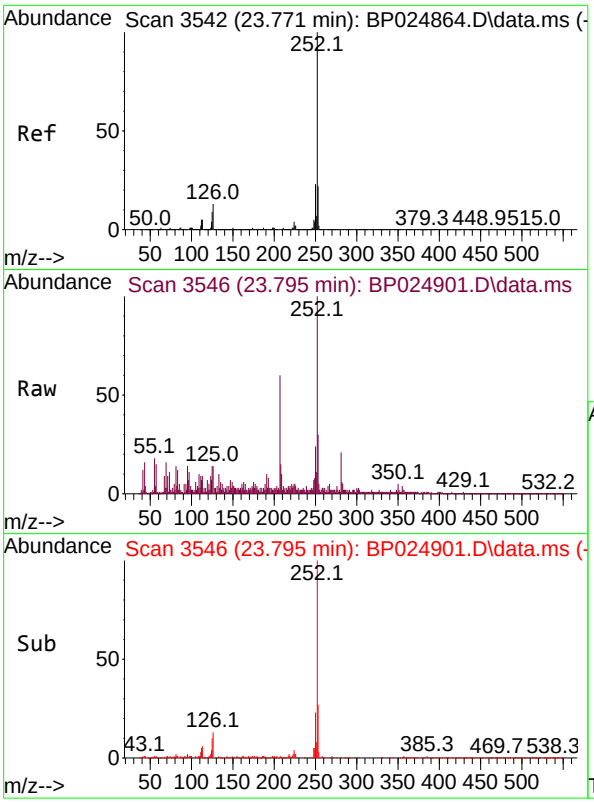


#88
Benzo(b)fluoranthene
Concen: 8.587 ng
RT: 23.736 min Scan# 3536
Delta R.T. 0.024 min
Lab File: BP024901.D
Acq: 10 Jun 2025 19:51

Tgt Ion:252 Resp: 884835

Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.6	26.4
125	10.9	7.1	10.7#



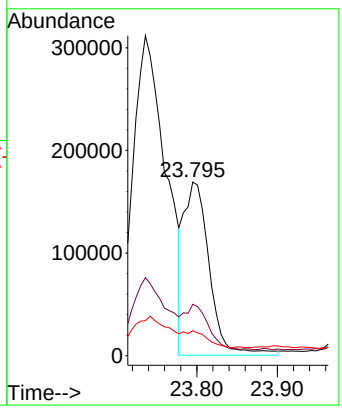


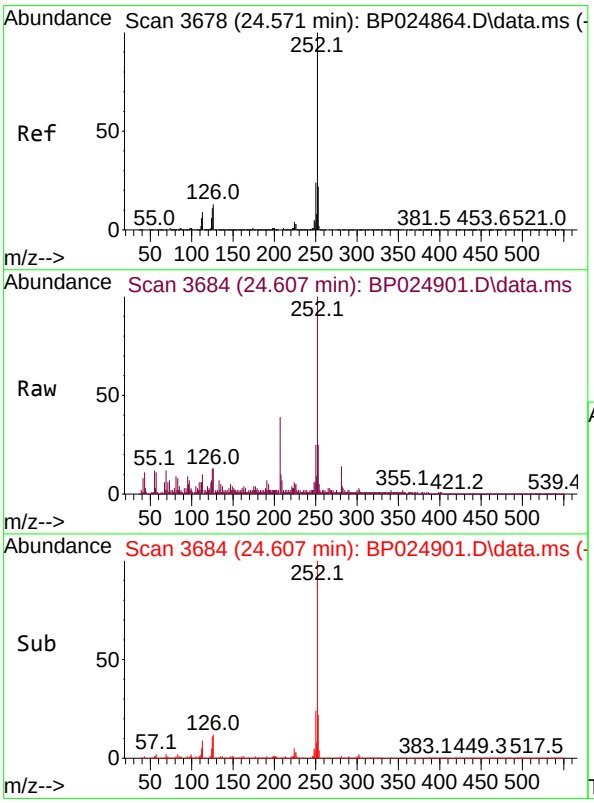
#89
Benzo(k)fluoranthene
Concen: 3.543 ng m
RT: 23.795 min Scan# 3
Delta R.T. 0.024 min
Lab File: BP024901.D
Acq: 10 Jun 2025 19:51

Instrument :
BNA_P
ClientSampleId :
TP-26

Tgt Ion:252 Resp: 371610

Ion	Ratio	Lower	Upper
252	100		
253	29.6	17.7	26.5#
125	14.4	7.4	11.0#

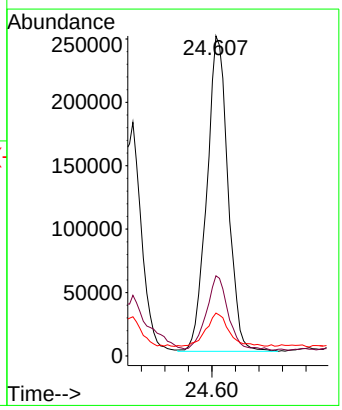


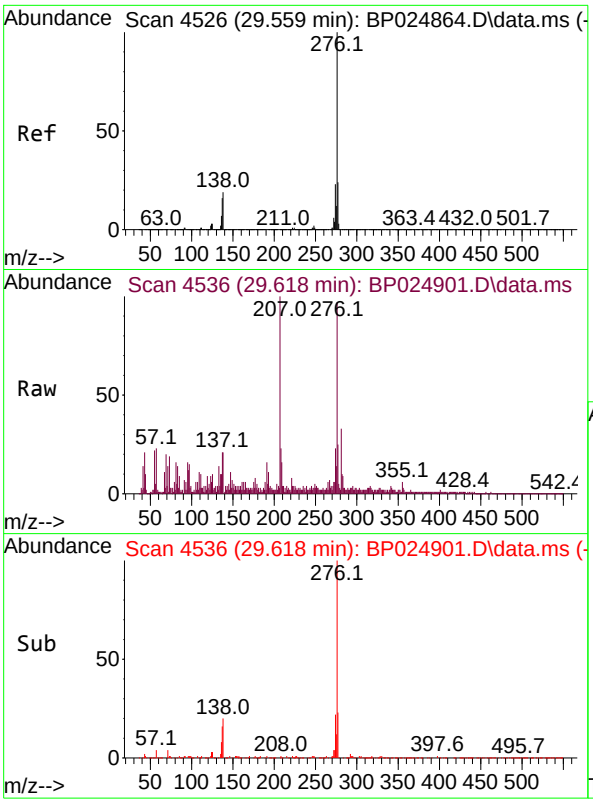


#90
Benzo(a)pyrene
Concen: 6.169 ng
RT: 24.607 min Scan# 3684
Delta R.T. 0.035 min
Lab File: BP024901.D
Acq: 10 Jun 2025 19:51

Tgt Ion:252 Resp: 620829

Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.5	26.3
125	13.4	8.8	13.2#



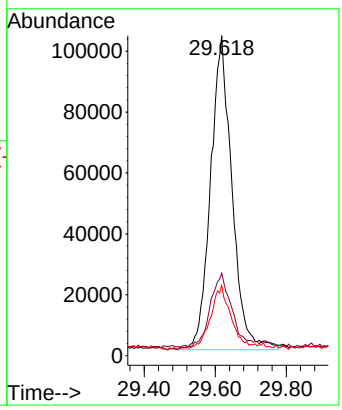


#92
Benzo(g,h,i)perylene
Concen: 4.071 ng
RT: 29.618 min Scan# 4
Delta R.T. 0.059 min
Lab File: BP024901.D
Acq: 10 Jun 2025 19:51

Instrument :
BNA_P
ClientSampleId :
TP-26

Tgt Ion:276 Resp: 431887

Ion	Ratio	Lower	Upper
276	100		
277	25.8	19.1	28.7
138	21.9	15.4	23.2



Sample Results: **BP024901.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024901.D
Acq On : 10 Jun 2025 19:51
Operator : RC/JU
Sample : Q2176-04 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-26

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

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

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

Signal : TIC: BP024901.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.426	76	83	106	rBV	3926262	6147675	84.56%	8.161%
2	4.772	307	312	322	rBV	193629	284824	3.92%	0.378%
3	5.237	385	391	406	rBV	2119428	3270267	44.98%	4.341%
4	6.814	653	659	676	rBV	1960056	3493069	48.05%	4.637%
5	7.608	785	794	804	rBV	1219646	1886328	25.95%	2.504%
6	8.761	983	990	1010	rBV	1294143	2317236	31.87%	3.076%
7	10.378	1253	1265	1280	rBV	1600893	2787734	38.34%	3.701%
8	12.854	1679	1686	1706	rBV	3667709	5737407	78.92%	7.616%
9	13.572	1801	1808	1812	rBV2	47230	88644	1.22%	0.118%
10	13.972	1869	1876	1882	rBV	61664	116204	1.60%	0.154%
11	14.154	1901	1907	1911	rBV	63458	89132	1.23%	0.118%
12	14.254	1914	1924	1931	rVV	2250499	3631237	49.95%	4.820%
13	14.319	1931	1935	1942	rVB	110683	183199	2.52%	0.243%
14	14.666	1990	1994	1998	rVB	65191	91564	1.26%	0.122%
15	15.119	2069	2071	2076	rVB2	63615	81897	1.13%	0.109%
16	15.325	2101	2106	2111	rBV	138469	208008	2.86%	0.276%
17	15.537	2138	2142	2148	rBV3	49303	78764	1.08%	0.105%
18	15.643	2154	2160	2167	rBV	752709	1099847	15.13%	1.460%
19	15.778	2176	2183	2197	rBV	2670381	4171232	57.37%	5.537%
20	16.007	2217	2222	2224	rBV3	113956	161577	2.22%	0.214%
21	16.219	2254	2258	2263	rBV	84484	110480	1.52%	0.147%
22	16.625	2324	2327	2338	rVB6	45526	77586	1.07%	0.103%
23	16.825	2358	2361	2365	rVV2	73923	89405	1.23%	0.119%
24	16.878	2366	2370	2380	rVB	131868	215177	2.96%	0.286%
25	17.060	2395	2401	2405	rBV2	2703760	3965103	54.54%	5.264%
26	17.101	2405	2408	2415	rVB	1363447	2026474	27.87%	2.690%
27	17.201	2420	2425	2431	rVB	320827	511377	7.03%	0.679%
28	17.589	2487	2491	2496	rVB2	119109	163077	2.24%	0.216%
29	17.660	2500	2503	2513	rVB2	65671	132970	1.83%	0.177%
30	17.966	2551	2555	2558	rBV	160292	219292	3.02%	0.291%
31	18.007	2558	2562	2571	rVB2	490484	981531	13.50%	1.303%
32	18.166	2585	2589	2594	rBV2	418051	718769	9.89%	0.954%
33	18.207	2594	2596	2602	rVB	197341	237400	3.27%	0.315%
34	18.307	2609	2613	2622	rVB2	139616	222649	3.06%	0.296%
35	18.495	2641	2645	2649	rBV	168355	238678	3.28%	0.317%
36	18.925	2715	2718	2722	rVB	140254	187674	2.58%	0.249%

Sample Results: **BP024901.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024901.D
Acq On : 10 Jun 2025 19:51
Operator : RC/JU
Sample : Q2176-04 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-26

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

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

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

37	18.972	2723	2726	2732	rVB5	124007	203486	2.80%	0.270%
38	19.195	2759	2764	2773	rBV	3664535	4946953	68.04%	6.567%
39	19.578	2820	2829	2834	rBV	2686581	4427876	60.90%	5.878%
40	19.801	2862	2867	2871	rBV	6810878	7270345	100.00%	9.651%
41	20.101	2915	2918	2921	rVB	345796	364885	5.02%	0.484%
42	20.136	2921	2924	2928	rBV	188815	198663	2.73%	0.264%
43	20.201	2932	2935	2940	rVB	300220	398942	5.49%	0.530%
44	21.501	3149	3156	3161	rBV2	3011864	6004426	82.59%	7.971%
45	21.548	3161	3164	3169	rVB	983724	1392989	19.16%	1.849%
46	24.766	3705	3711	3719	rVB	1758441	4098997	56.38%	5.441%

Sum of corrected areas: 75331049

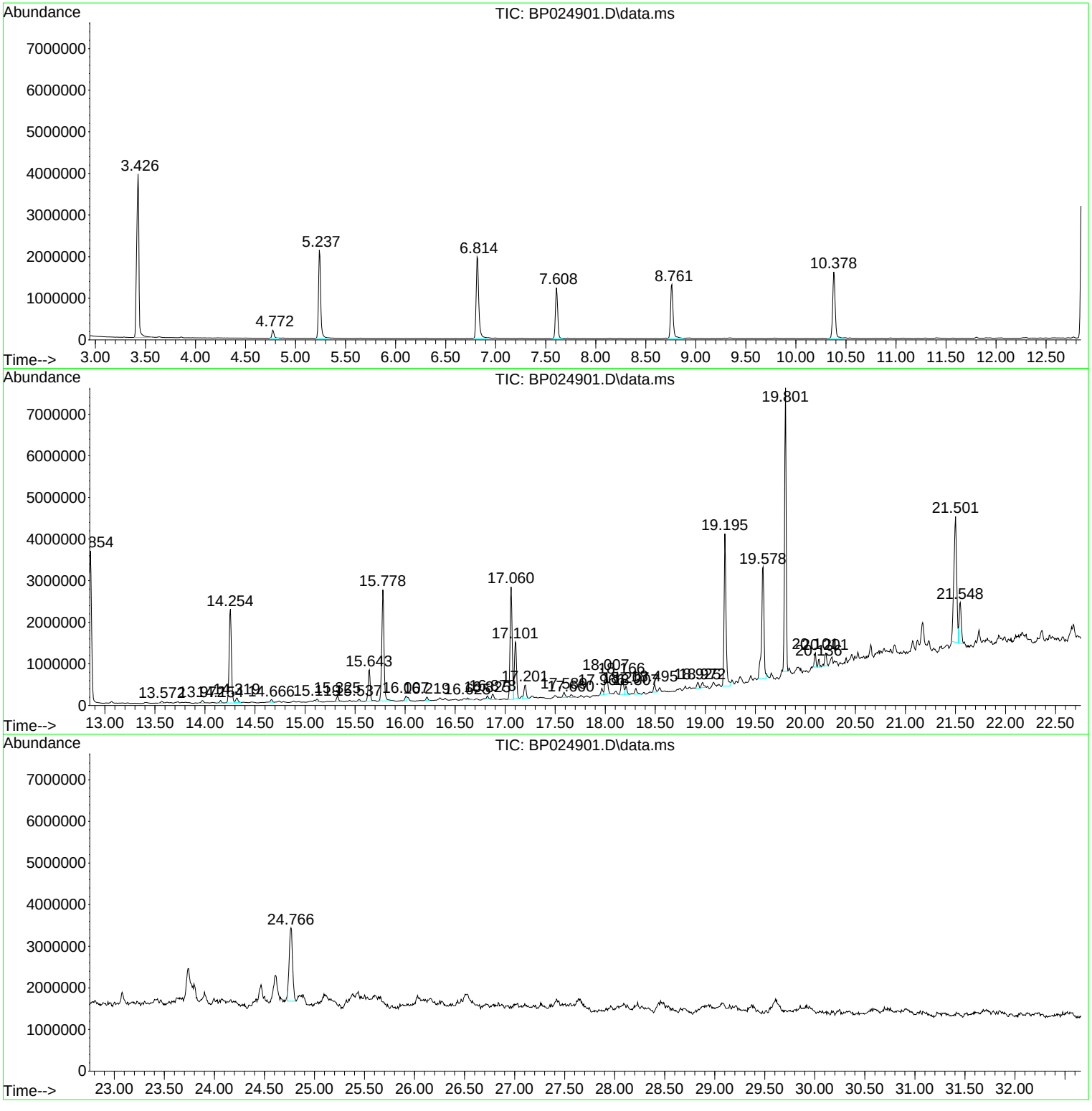
Sample Results: **BP024901.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024901.D
Acq On : 10 Jun 2025 19:51
Operator : RC/JU
Sample : Q2176-04 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-26

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

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024901.D
Acq On : 10 Jun 2025 19:51
Operator : RC/JU
Sample : Q2176-04 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-26

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

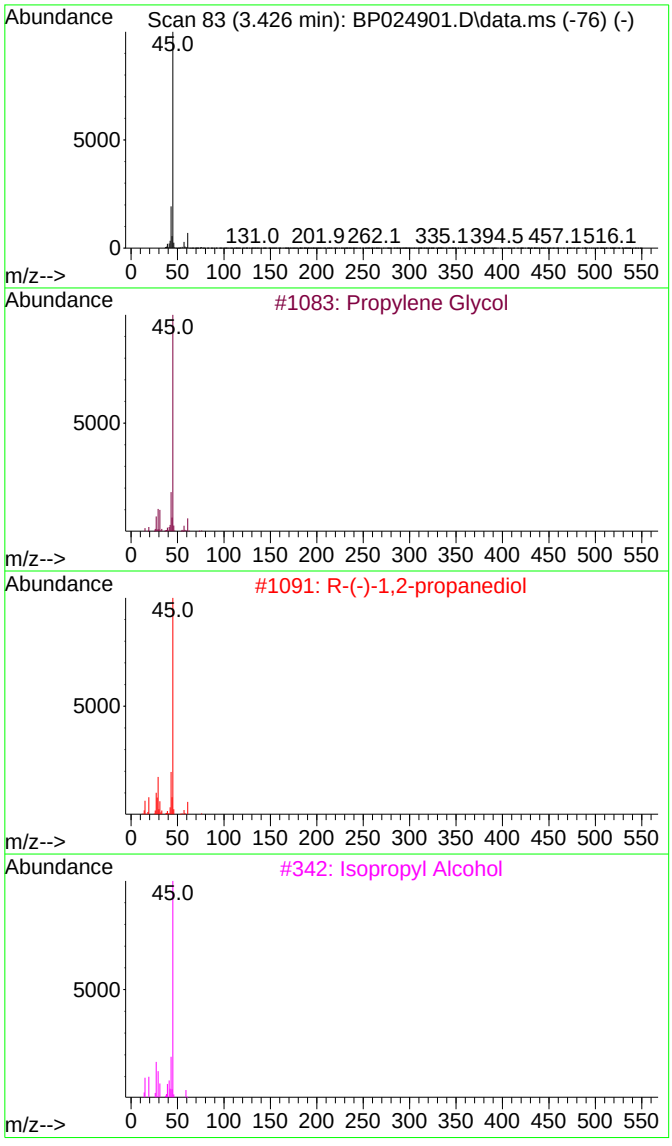
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

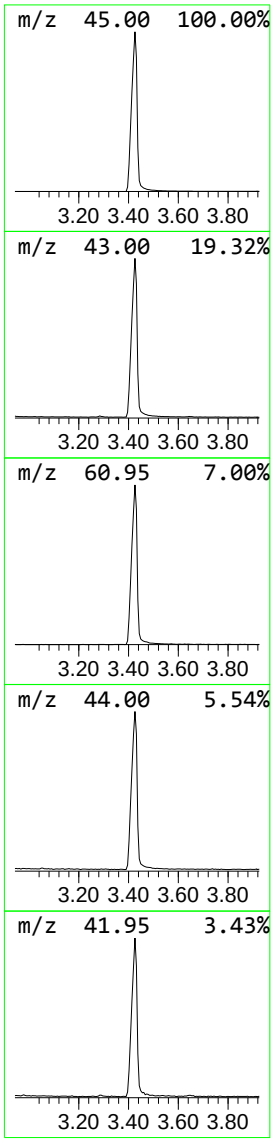
****

Peak Number 1 Propylene Glycol Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.426	65.18 ng	6147680	1,4-Dichlorobenzene-d4	7.608

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propylene Glycol	76	C3H8O2	000057-55-6	90
2	R-(-)-1,2-propanediol	76	C3H8O2	004254-14-2	78
3	Isopropyl Alcohol	60	C3H8O	000067-63-0	56
4	Propanoic acid, 2-hydroxy-, meth...	104	C4H8O3	000547-64-8	40
5	2-Pentanol	88	C5H12O	006032-29-7	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024901.D
Acq On : 10 Jun 2025 19:51
Operator : RC/JU
Sample : Q2176-04 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-26

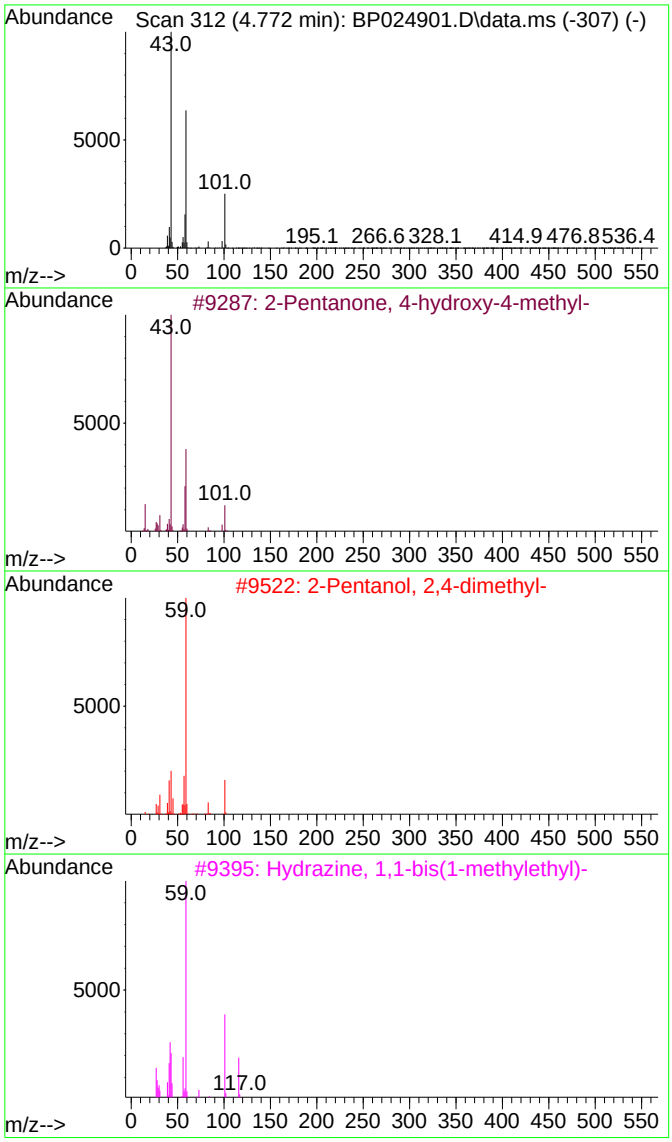
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

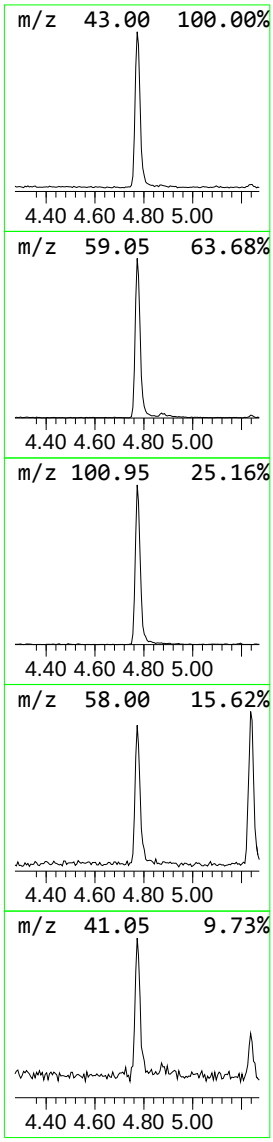
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.772	3.02 ng	284824	1,4-Dichlorobenzene-d4	7.608

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	2-Pentanol, 2,4-dimethyl-	116	C7H16O	000625-06-9	42
3	Hydrazine, 1,1-bis(1-methylethyl)-	116	C6H16N2	000921-14-2	28
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
5	2,5,8,11-Tetraoxadodecane	178	C8H18O4	000112-49-2	23





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024901.D
Acq On : 10 Jun 2025 19:51
Operator : RC/JU
Sample : Q2176-04 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-26

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

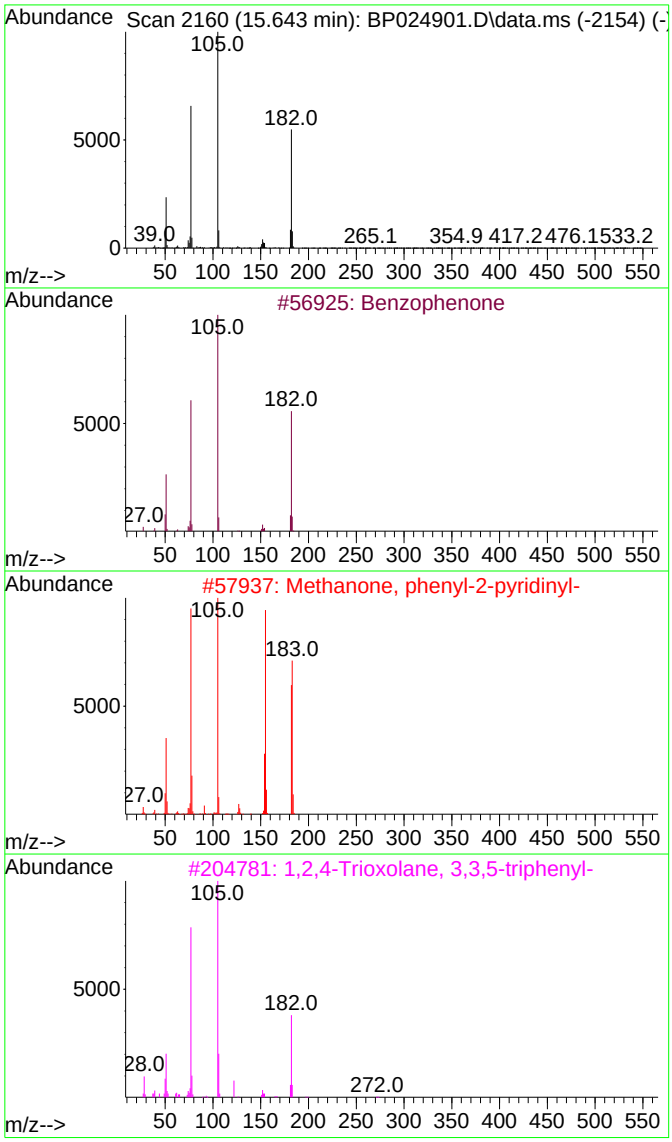
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

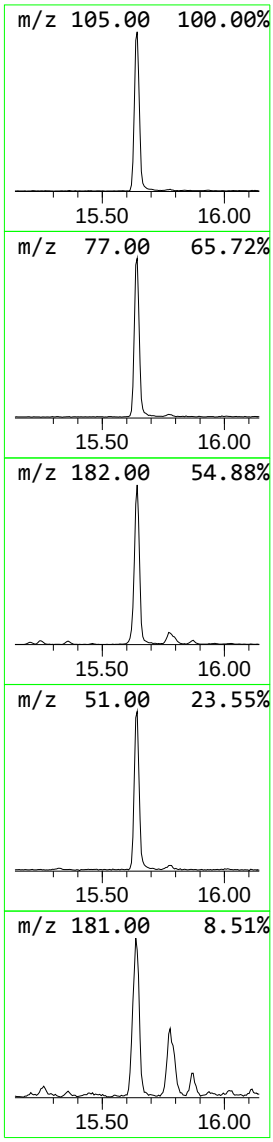
****

Peak Number 3 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.643	6.06 ng	1099850	Acenaphthene-d10	14.254

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Methanone, phenyl-2-pyridinyl-	183	C12H9NO	000091-02-1	56
3	1,2,4-Trioxolane, 3,3,5-triphenyl-	304	C20H16O3	023246-12-0	50
4	Benzenamine, N-(3-pyridinylmethy...	182	C12H10N2	029722-97-2	45
5	Azobenzene	182	C12H10N2	000103-33-3	42





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024901.D
Acq On : 10 Jun 2025 19:51
Operator : RC/JU
Sample : Q2176-04 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-26

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

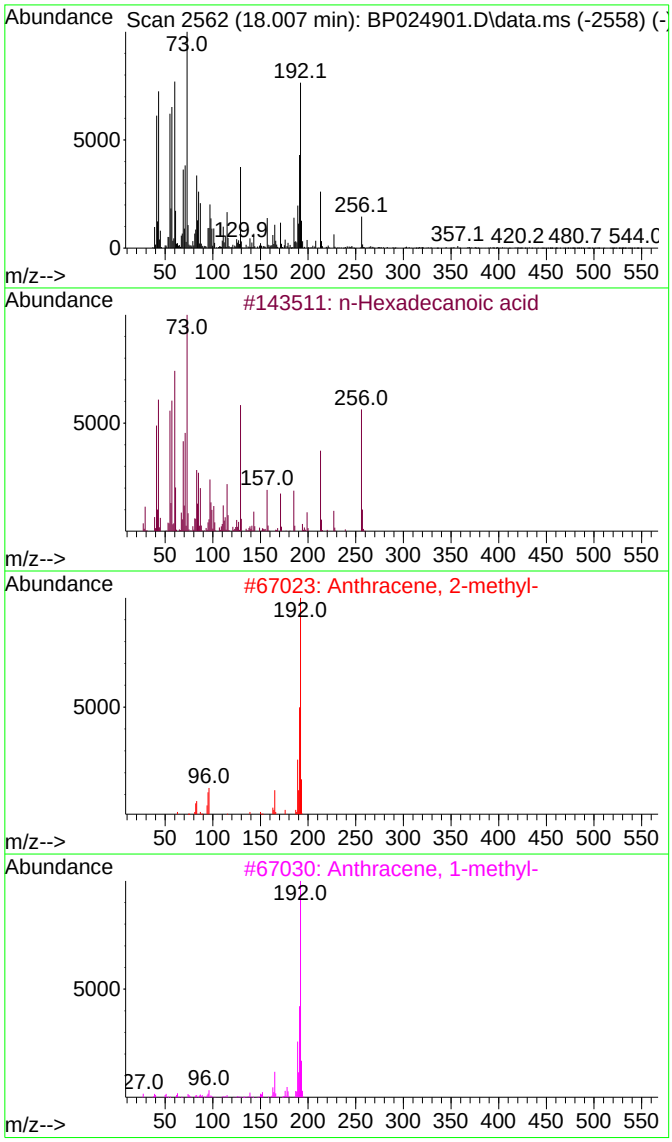
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

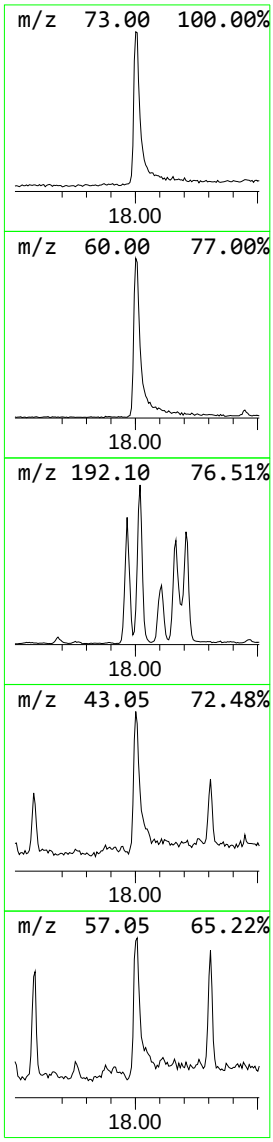
****

Peak Number 4 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.007	4.95 ng	981531	Phenanthrene-d10	17.060

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	83
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	78
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	74
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	74





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024901.D
Acq On : 10 Jun 2025 19:51
Operator : RC/JU
Sample : Q2176-04 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-26

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

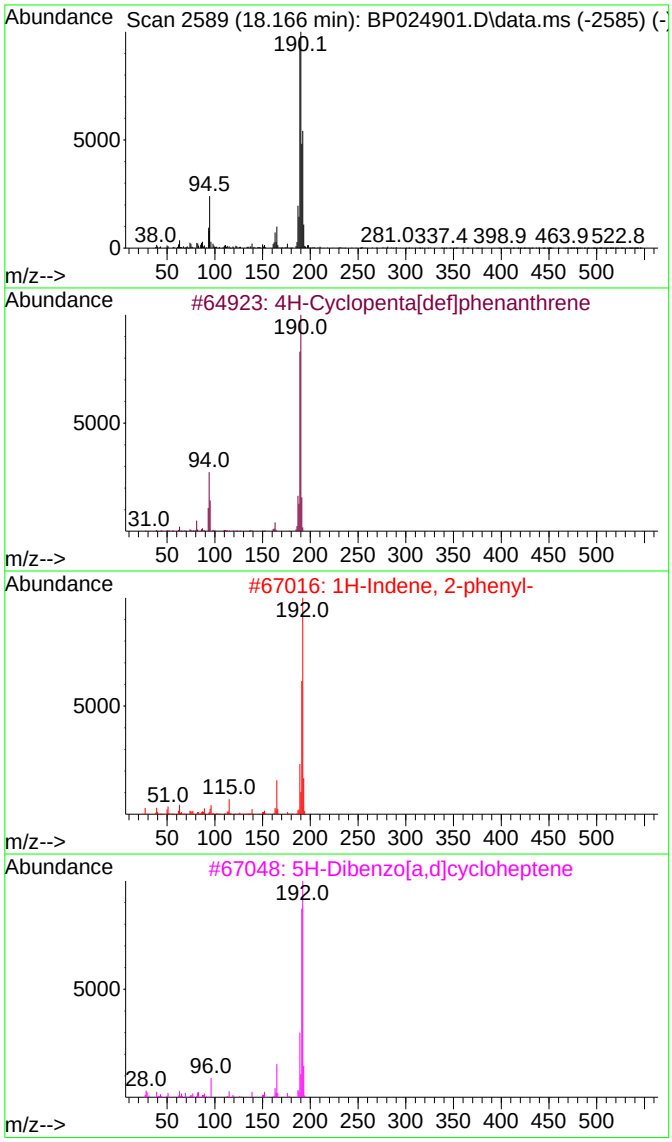
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

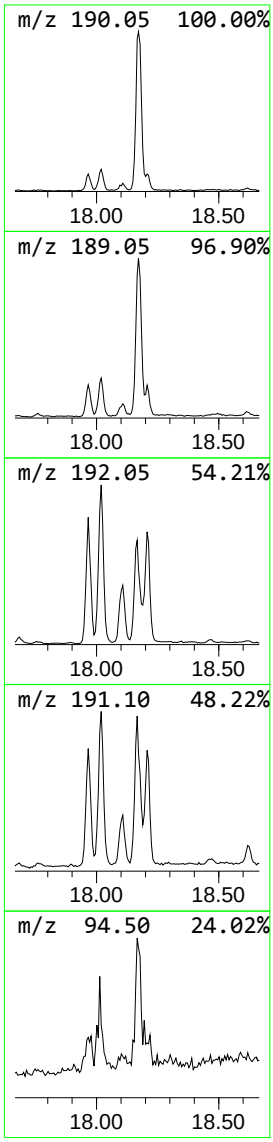
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.166	3.63 ng	718769	Phenanthrene-d10	17.060

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	38
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	38
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	25
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	20





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024901.D
Acq On : 10 Jun 2025 19:51
Operator : RC/JU
Sample : Q2176-04 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-26

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

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Propylene Glycol	3.426	65.2	ng	6147680	1	7.608	1886330	20.0
2-Pentanone, 4-...	4.772	3.0	ng	284824	1	7.608	1886330	20.0
Benzophenone	15.643	6.1	ng	1099850	3	14.254	3631240	20.0
n-Hexadecanoic ...	18.007	5.0	ng	981531	4	17.060	3965100	20.0
4H-Cyclopenta[d...	18.166	3.6	ng	718769	4	17.060	3965100	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061125\
Data File : BP024909.D
Acq On : 11 Jun 2025 12:59
Operator : RC/JU
Sample : Q2176-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-28

Quant Time: Jun 11 13:51:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration

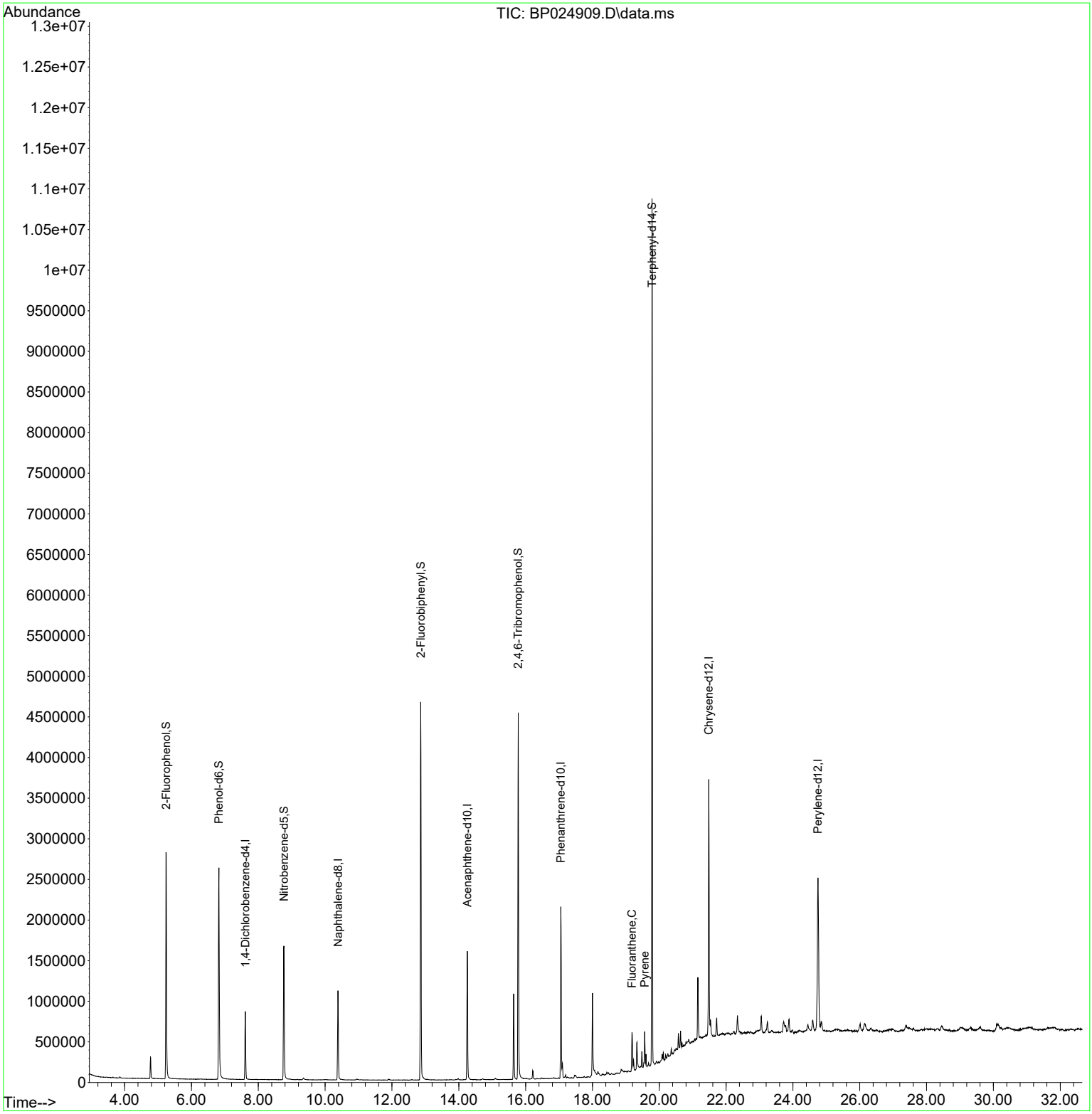
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.613	152	233414	20.000	ng	0.00
21) Naphthalene-d8	10.384	136	929314	20.000	ng	0.00
39) Acenaphthene-d10	14.254	164	605225	20.000	ng	0.00
64) Phenanthrene-d10	17.054	188	1276558	20.000	ng	0.00
76) Chrysene-d12	21.483	240	1658469	20.000	ng	0.00
86) Perylene-d12	24.748	264	1985950	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.243	112	1321809	94.526	ng	0.00
7) Phenol-d6	6.819	99	1725392	93.256	ng	0.00
23) Nitrobenzene-d5	8.766	82	1047473	54.771	ng	0.00
42) 2,4,6-Tribromophenol	15.778	330	915767	109.442	ng	0.00
45) 2-Fluorobiphenyl	12.860	172	2497088	55.581	ng	0.00
79) Terphenyl-d14	19.783	244	5158788	55.749	ng	-0.01
Target Compounds						Qvalue
75) Fluoranthene	19.183	202	276047	3.376	ng	99
78) Pyrene	19.566	202	246435	2.378	ng	99

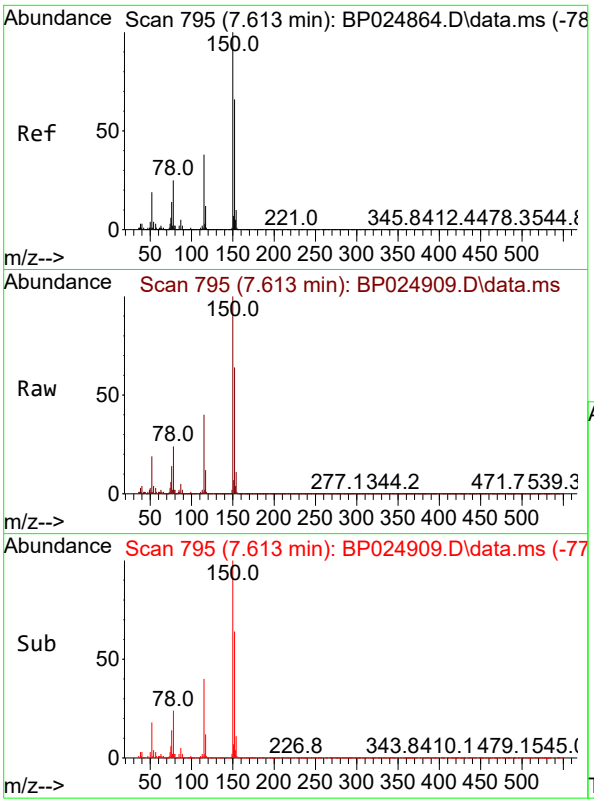
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061125\
Data File : BP024909.D
Acq On : 11 Jun 2025 12:59
Operator : RC/JU
Sample : Q2176-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-28

Quant Time: Jun 11 13:51:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration



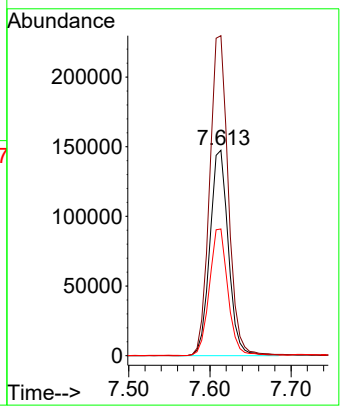


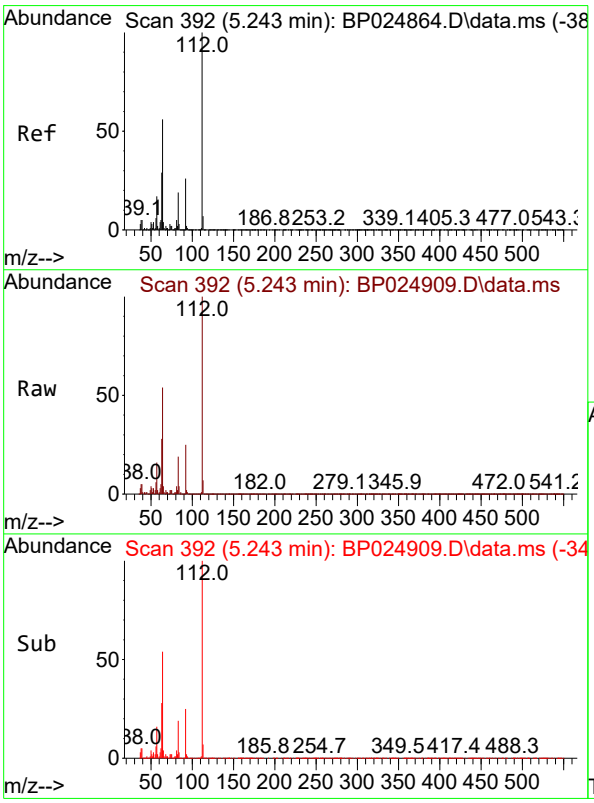
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.613 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024909.D
Acq: 11 Jun 2025 12:59

Instrument :
BNA_P
ClientSampleId :
TP-28

Tgt Ion:152 Resp: 233414

Ion	Ratio	Lower	Upper
152	100		
150	155.7	122.1	183.1
115	61.7	46.4	69.6

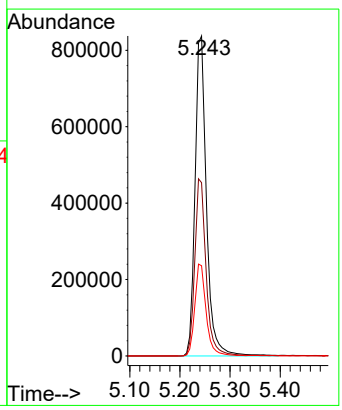


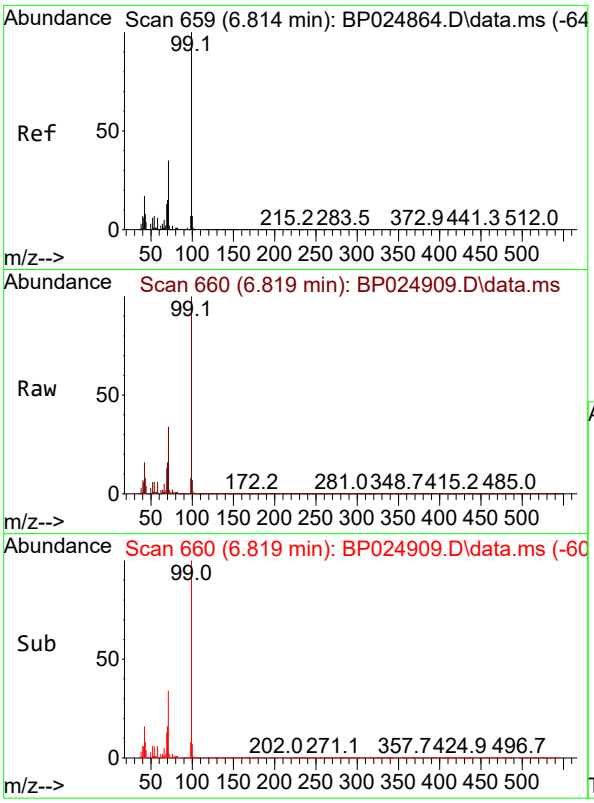


#5
2-Fluorophenol
Concen: 94.526 ng
RT: 5.243 min Scan# 392
Delta R.T. -0.000 min
Lab File: BP024909.D
Acq: 11 Jun 2025 12:59

Tgt Ion:112 Resp: 1321809

Ion	Ratio	Lower	Upper
112	100		
64	54.2	44.7	67.1
63	28.2	23.5	35.3



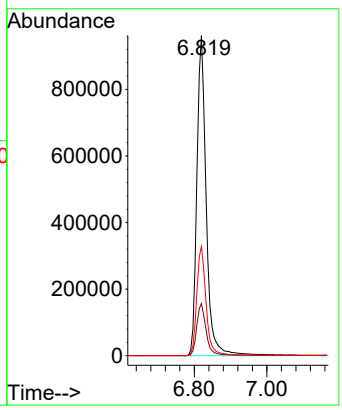


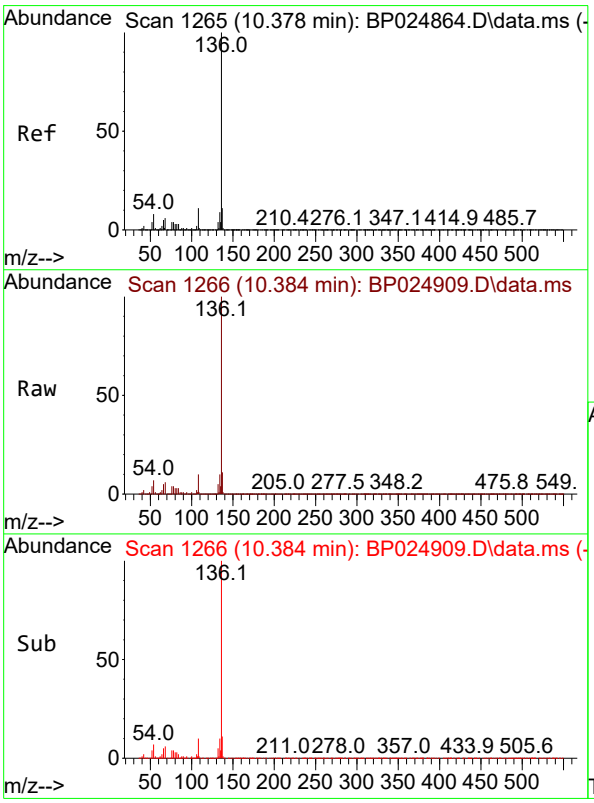
#7
Phenol-d6
Concen: 93.256 ng
RT: 6.819 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP024909.D
Acq: 11 Jun 2025 12:59

Instrument :
BNA_P
ClientSampleId :
TP-28

Tgt Ion: 99 Resp: 1725392

Ion	Ratio	Lower	Upper
99	100		
42	16.3	13.4	20.2
71	34.1	27.6	41.4

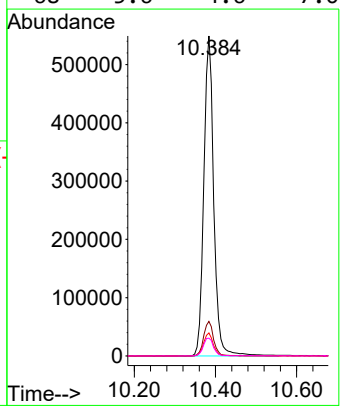


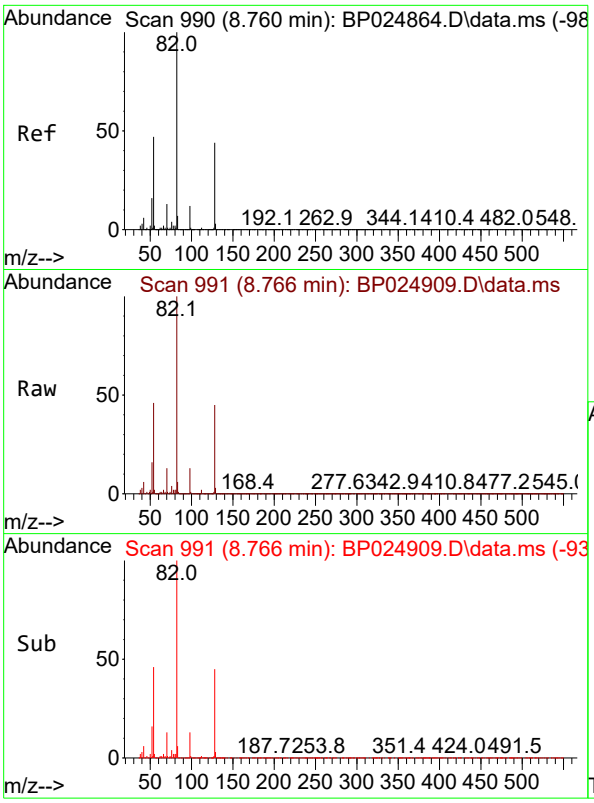


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.384 min Scan# 1266
Delta R.T. 0.006 min
Lab File: BP024909.D
Acq: 11 Jun 2025 12:59

Tgt Ion:136 Resp: 929314

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	7.2	6.1	9.1
68	5.6	4.6	7.0



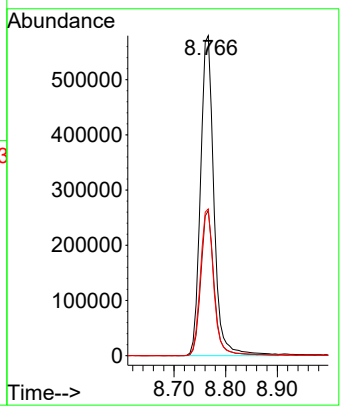


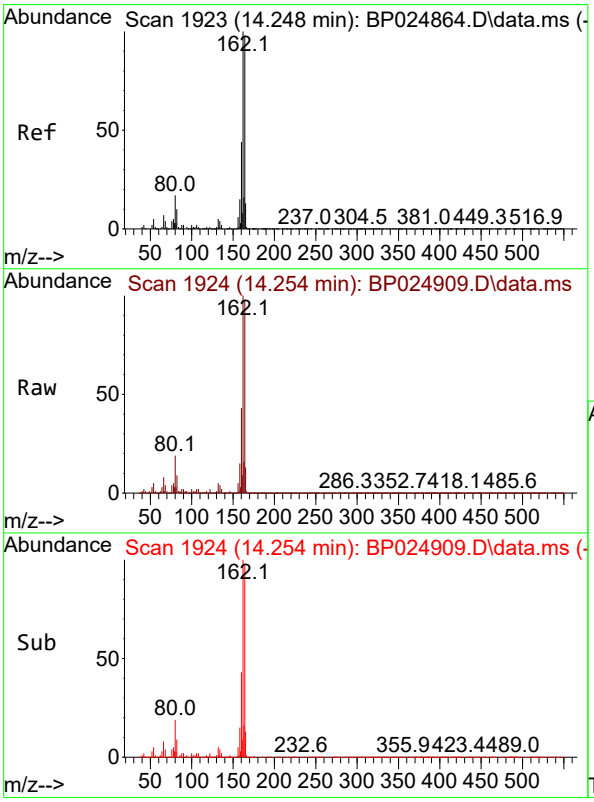
#23
Nitrobenzene-d5
Concen: 54.771 ng
RT: 8.766 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP024909.D
Acq: 11 Jun 2025 12:59

Instrument :
BNA_P
ClientSampleId :
TP-28

Tgt Ion: 82 Resp: 1047473

Ion	Ratio	Lower	Upper
82	100		
128	45.3	35.3	52.9
54	45.9	37.4	56.0

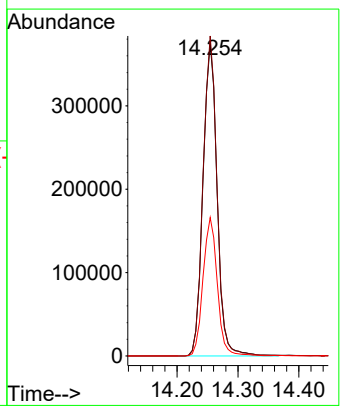


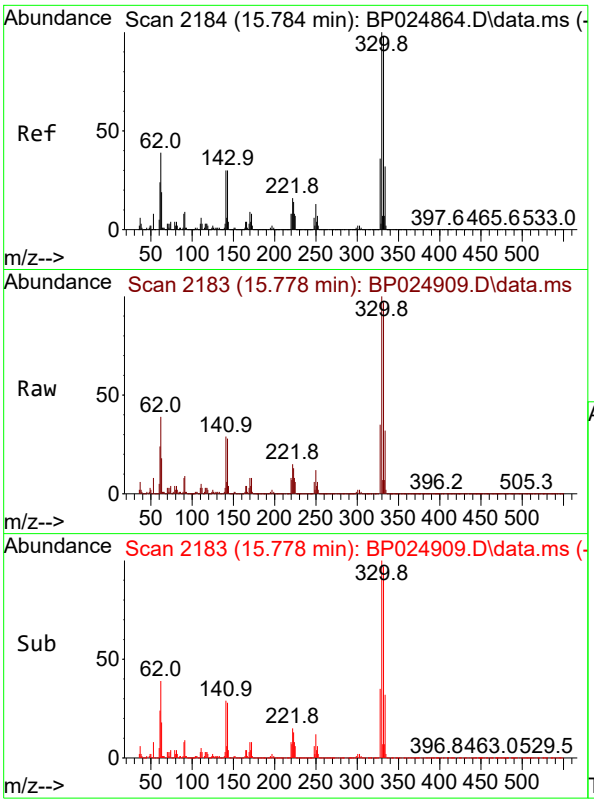


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.254 min Scan# 1924
Delta R.T. 0.006 min
Lab File: BP024909.D
Acq: 11 Jun 2025 12:59

Tgt Ion:164 Resp: 605225

Ion	Ratio	Lower	Upper
164	100		
162	102.3	81.6	122.4
160	44.2	36.2	54.2



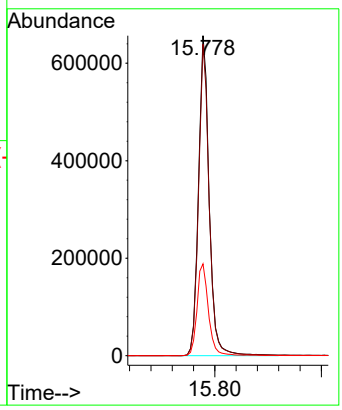


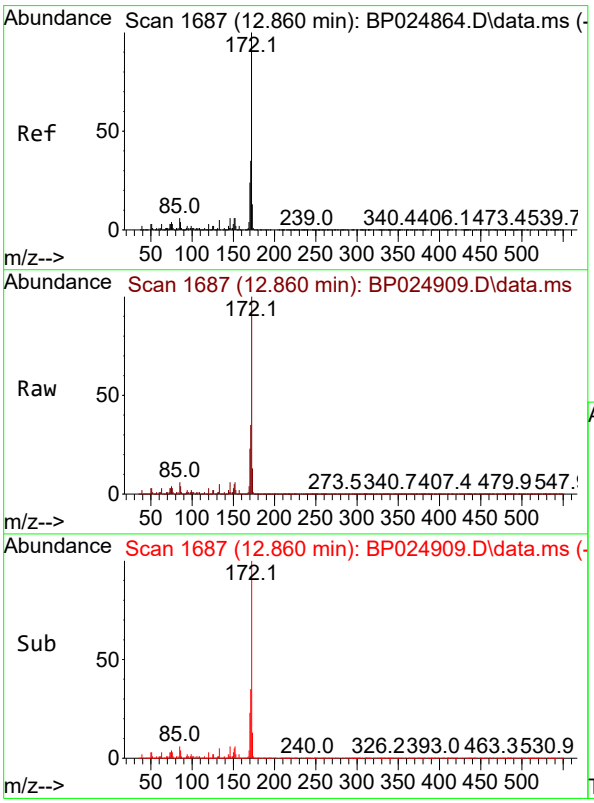
#42
2,4,6-Tribromophenol
Concen: 109.442 ng
RT: 15.778 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024909.D
Acq: 11 Jun 2025 12:59

Instrument :
BNA_P
ClientSampleId :
TP-28

Tgt Ion:330 Resp: 915767

Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.7	116.5
141	30.4	26.4	39.6

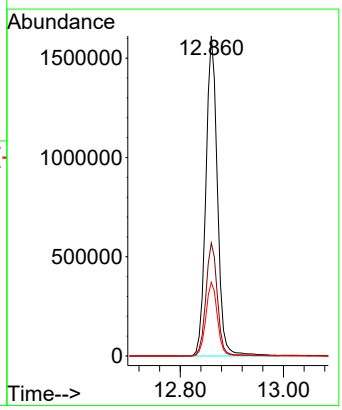


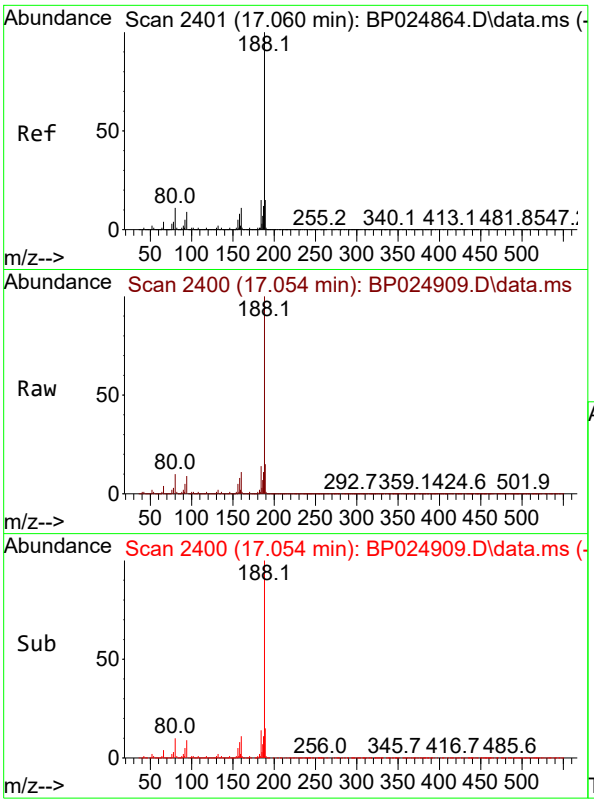


#45
2-Fluorobiphenyl
Concen: 55.581 ng
RT: 12.860 min Scan# 1687
Delta R.T. -0.000 min
Lab File: BP024909.D
Acq: 11 Jun 2025 12:59

Tgt Ion:172 Resp: 2497088

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.3	42.5
170	23.0	19.0	28.4



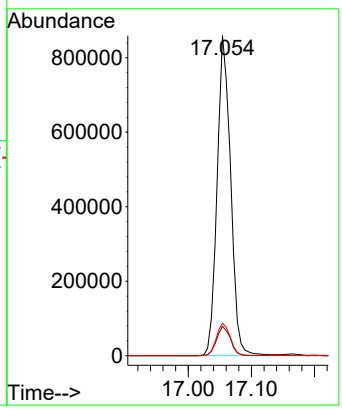


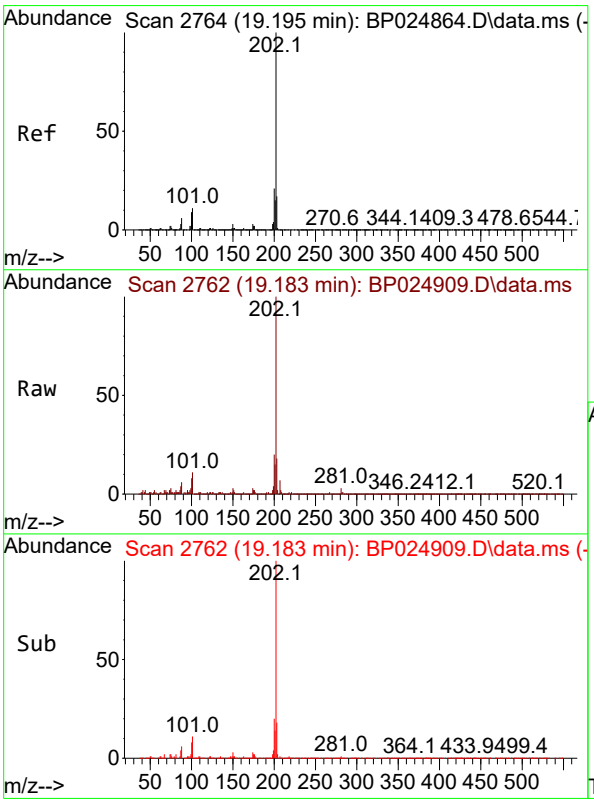
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.054 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP024909.D
Acq: 11 Jun 2025 12:59

Instrument :
BNA_P
ClientSampleId :
TP-28

Tgt Ion:188 Resp: 1276558

Ion	Ratio	Lower	Upper
188	100		
94	9.2	7.3	10.9
80	10.1	8.5	12.7

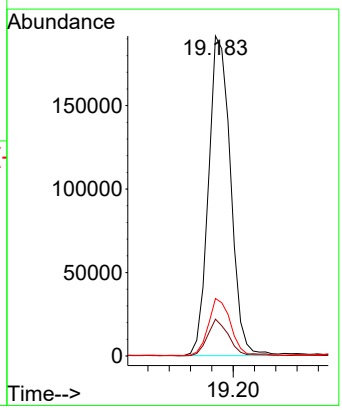


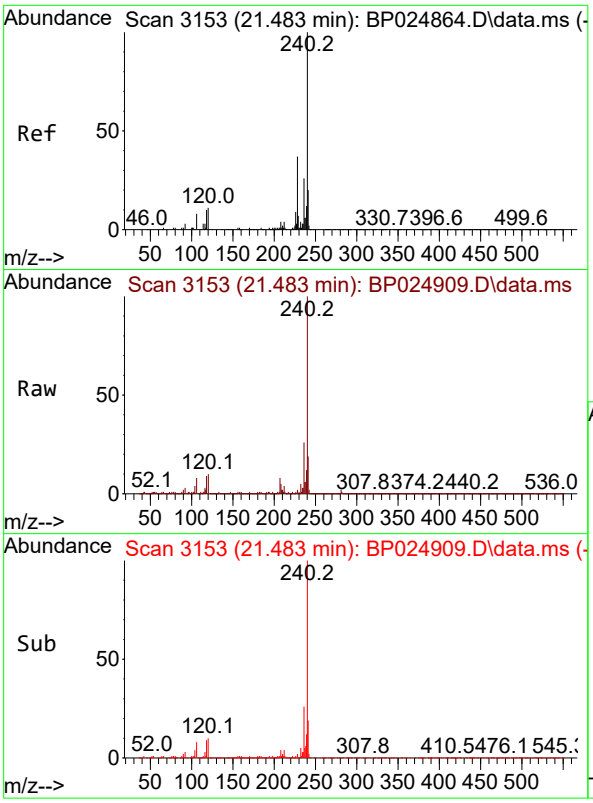


#75
Fluoranthene
Concen: 3.376 ng
RT: 19.183 min Scan# 2762
Delta R.T. -0.012 min
Lab File: BP024909.D
Acq: 11 Jun 2025 12:59

Tgt Ion:202 Resp: 276047

Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	31.4
203	18.0	0.0	37.5



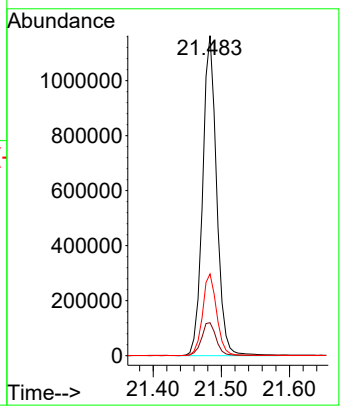


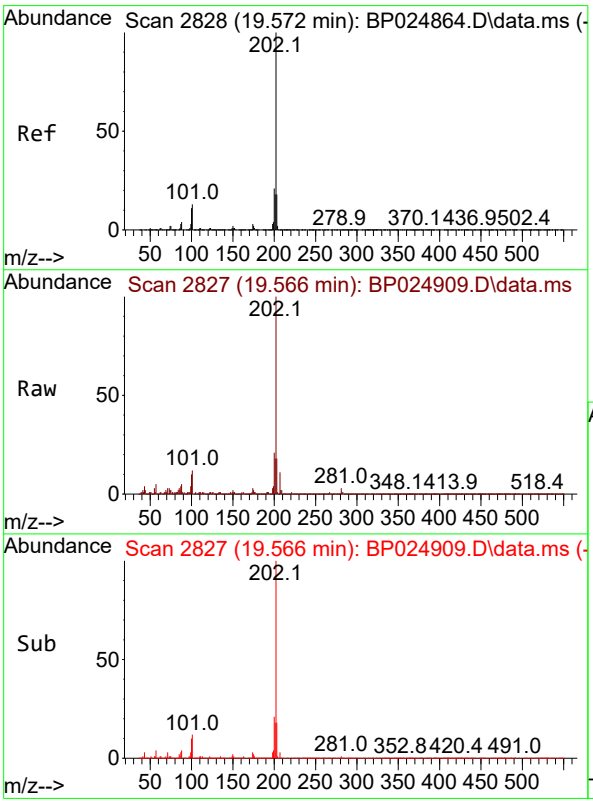
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.483 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024909.D
Acq: 11 Jun 2025 12:59

Instrument :
BNA_P
ClientSampleId :
TP-28

Tgt Ion:240 Resp: 1658469

Ion	Ratio	Lower	Upper
240	100		
120	10.3	8.9	13.3
236	25.5	20.9	31.3

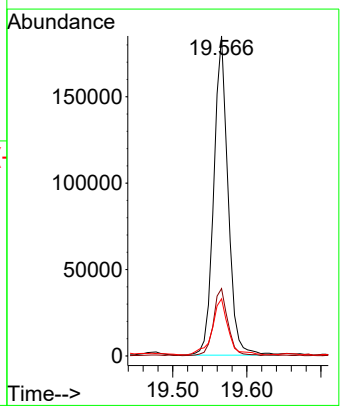


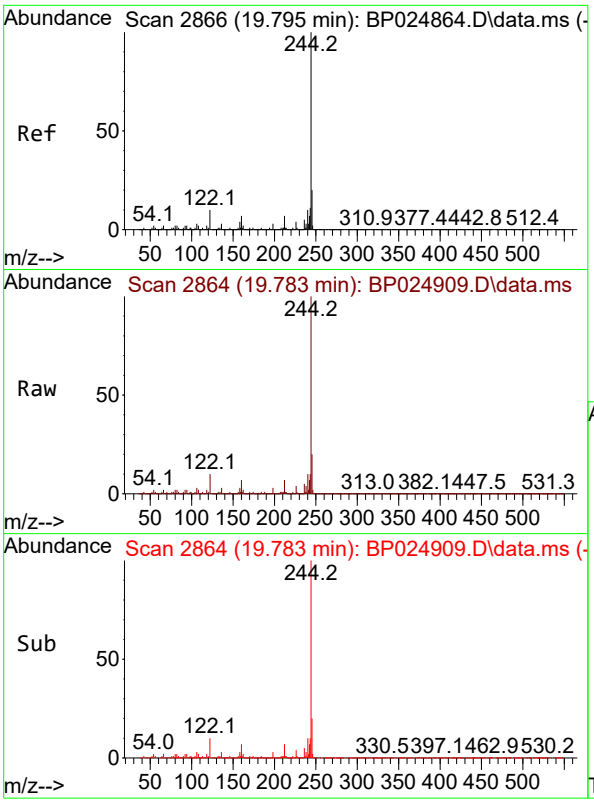


#78
Pyrene
Concen: 2.378 ng
RT: 19.566 min Scan# 2827
Delta R.T. -0.006 min
Lab File: BP024909.D
Acq: 11 Jun 2025 12:59

Tgt Ion:202 Resp: 246435

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.1	25.7
203	17.8	14.0	21.0



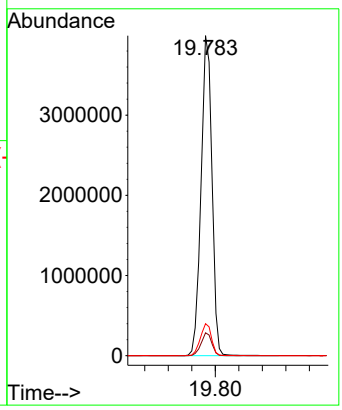


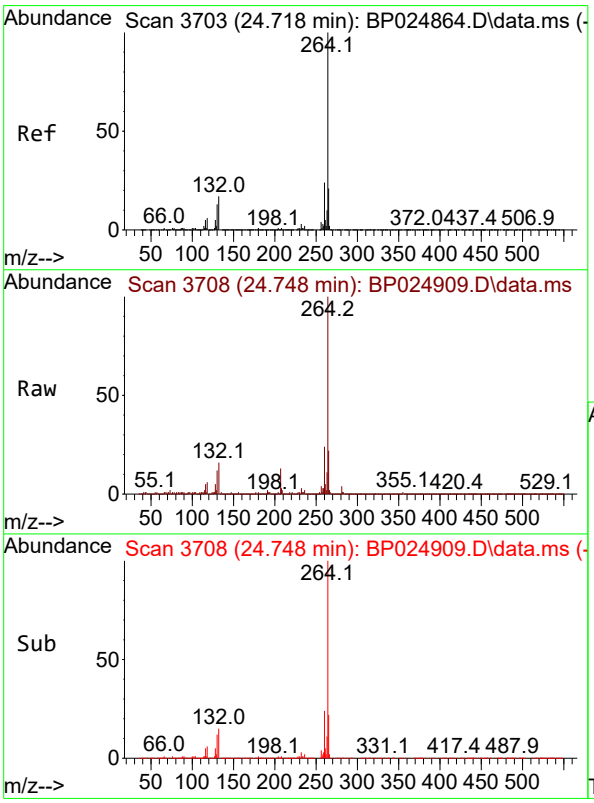
#79
Terphenyl-d14
Concen: 55.749 ng
RT: 19.783 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024909.D
Acq: 11 Jun 2025 12:59

Instrument :
BNA_P
ClientSampleId :
TP-28

Tgt Ion:244 Resp: 5158788

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.6	8.4
122	10.0	7.7	11.5

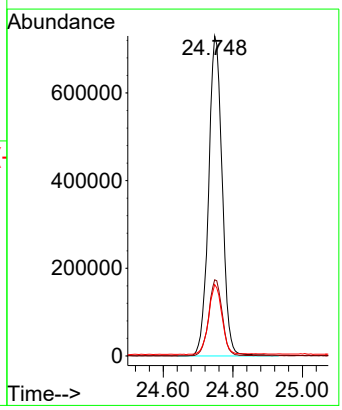




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.748 min Scan# 3708
Delta R.T. 0.029 min
Lab File: BP024909.D
Acq: 11 Jun 2025 12:59

Tgt Ion:264 Resp: 1985950

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.0	28.4
265	22.3	17.4	26.0



Sample Results: **BP024909.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061125\
Data File : BP024909.D
Acq On : 11 Jun 2025 12:59
Operator : RC/JU
Sample : Q2176-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-28

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

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

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

Signal : TIC: BP024909.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.772	307	312	327	rVB	269540	399432	2.89%	0.601%
2	5.237	385	391	409	rBV	2786869	4383665	31.72%	6.595%
3	6.819	653	660	688	rBV	2602385	4725552	34.20%	7.110%
4	7.608	788	794	804	rBV	834675	1333728	9.65%	2.007%
5	8.766	983	991	1011	rBV	1646469	2977775	21.55%	4.480%
6	10.384	1258	1266	1279	rBV	1097524	1848191	13.37%	2.781%
7	12.860	1679	1687	1710	rBV	4653400	7243553	52.42%	10.898%
8	14.254	1914	1924	1940	rBV	1582502	2578869	18.66%	3.880%
9	15.642	2152	2160	2175	rBV	1056335	1584436	11.47%	2.384%
10	15.778	2176	2183	2201	rBV	4509644	6484071	46.92%	9.756%
11	16.213	2252	2257	2267	rVB	104347	166483	1.20%	0.250%
12	17.054	2394	2400	2405	rBV	2110810	3166682	22.91%	4.764%
13	17.101	2405	2408	2415	rVB	180592	251674	1.82%	0.379%
14	18.001	2556	2561	2570	rBV	1010264	1585447	11.47%	2.385%
15	19.183	2757	2762	2767	rBV	479190	769163	5.57%	1.157%
16	19.230	2767	2770	2774	rVB	124917	161941	1.17%	0.244%
17	19.330	2782	2787	2799	rBV2	332086	629727	4.56%	0.947%
18	19.478	2809	2812	2818	rVB2	197876	232271	1.68%	0.349%
19	19.566	2819	2827	2831	rVV	440392	645734	4.67%	0.972%
20	19.601	2831	2833	2838	rVB	155655	158522	1.15%	0.239%
21	19.783	2858	2864	2870	rBV	10656584	13819276	100.00%	20.792%
22	20.572	2995	2998	3004	rBV	180646	200773	1.45%	0.302%
23	20.636	3006	3009	3013	rVB2	201172	235042	1.70%	0.354%
24	21.154	3092	3097	3106	rBV2	761273	1267731	9.17%	1.907%
25	21.483	3146	3153	3159	rBV	3140453	4822928	34.90%	7.256%
26	24.748	3700	3708	3720	rVB	1835269	4792099	34.68%	7.210%

Sum of corrected areas: 66464765

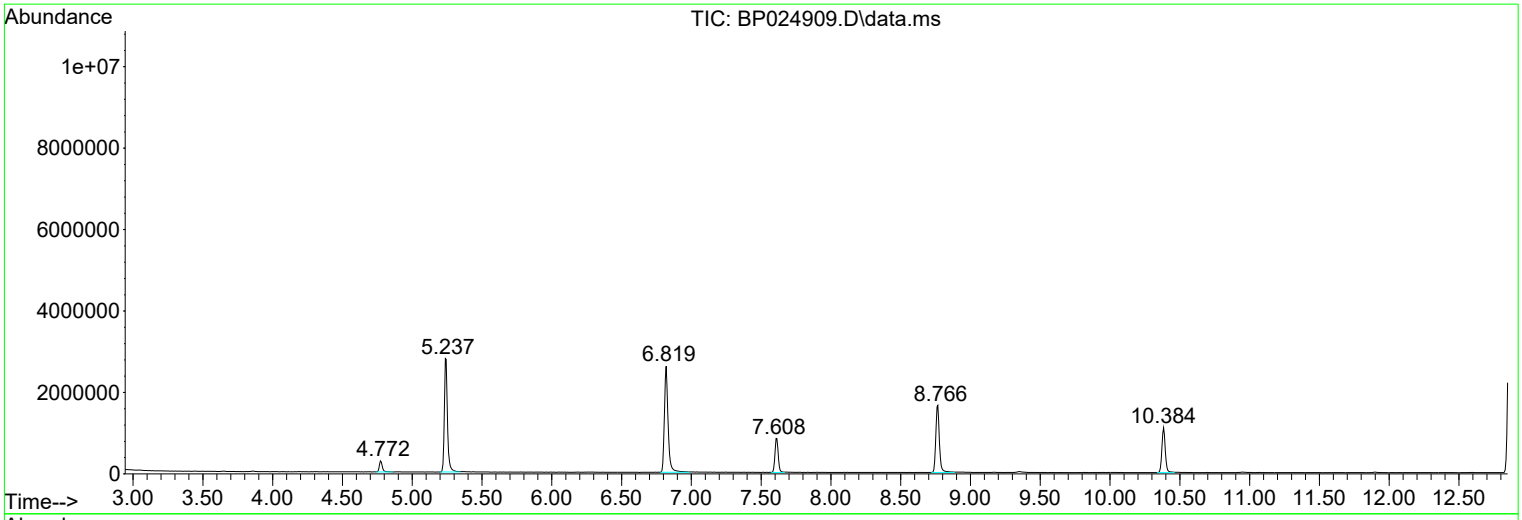
Sample Results: **BP024909.D**

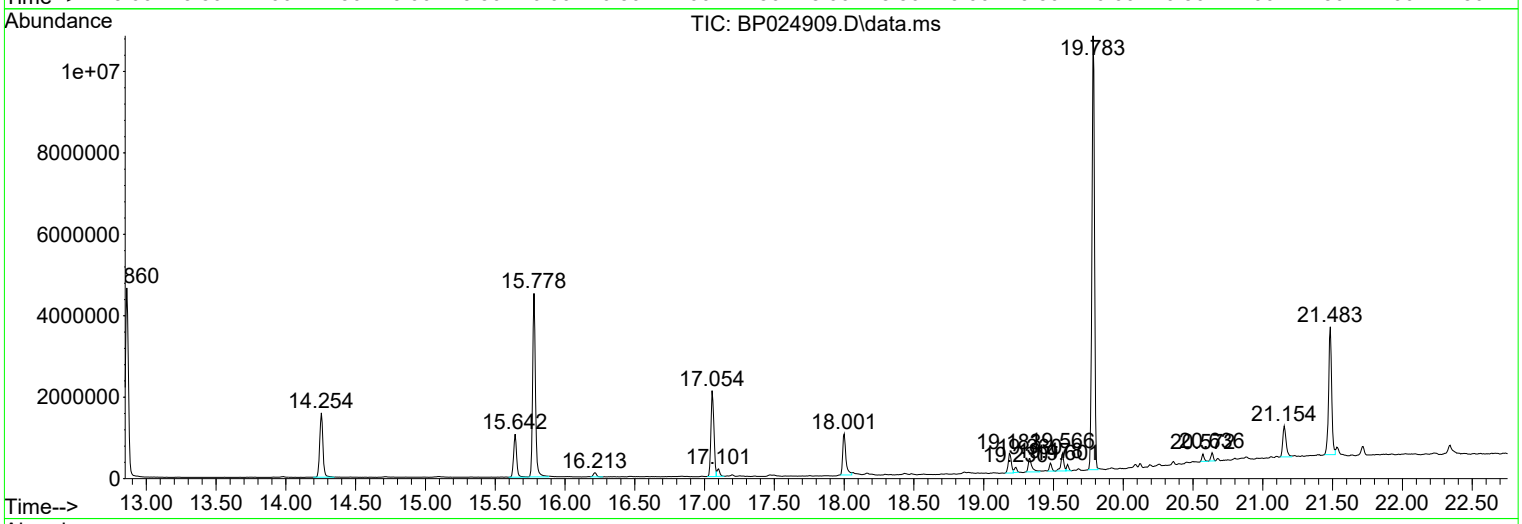
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061125\
Data File : BP024909.D
Acq On : 11 Jun 2025 12:59
Operator : RC/JU
Sample : Q2176-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

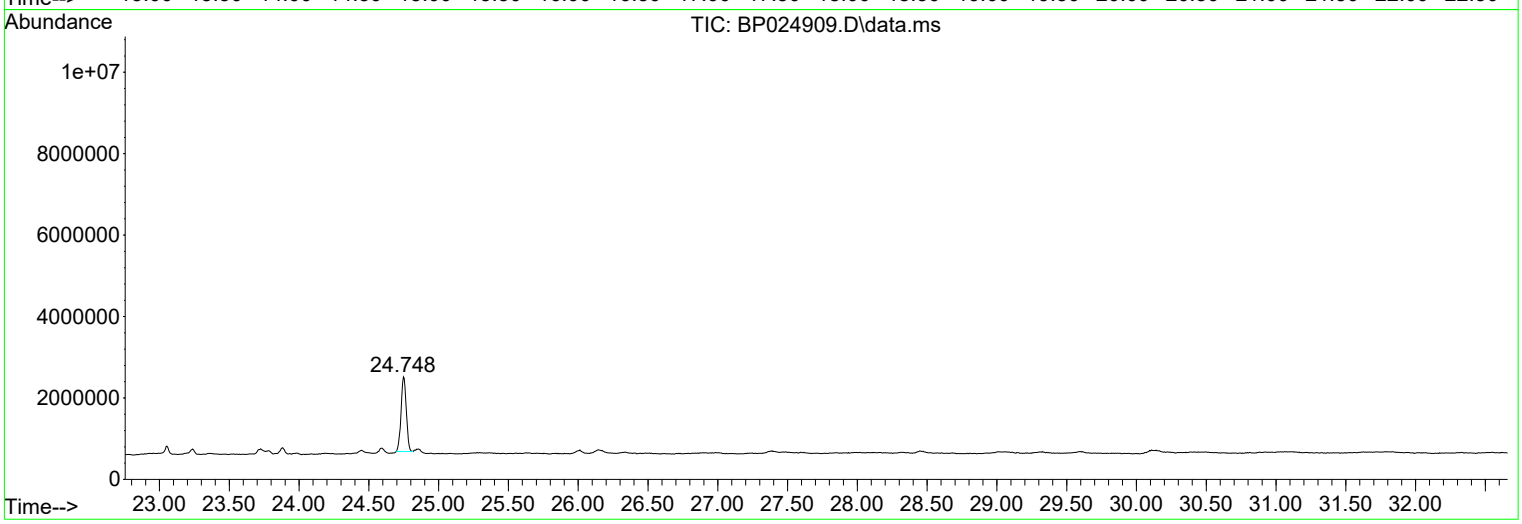
Instrument :
BNA_P
ClientSampleId :
TP-28

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

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







Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061125\
Data File : BP024909.D
Acq On : 11 Jun 2025 12:59
Operator : RC/JU
Sample : Q2176-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-28

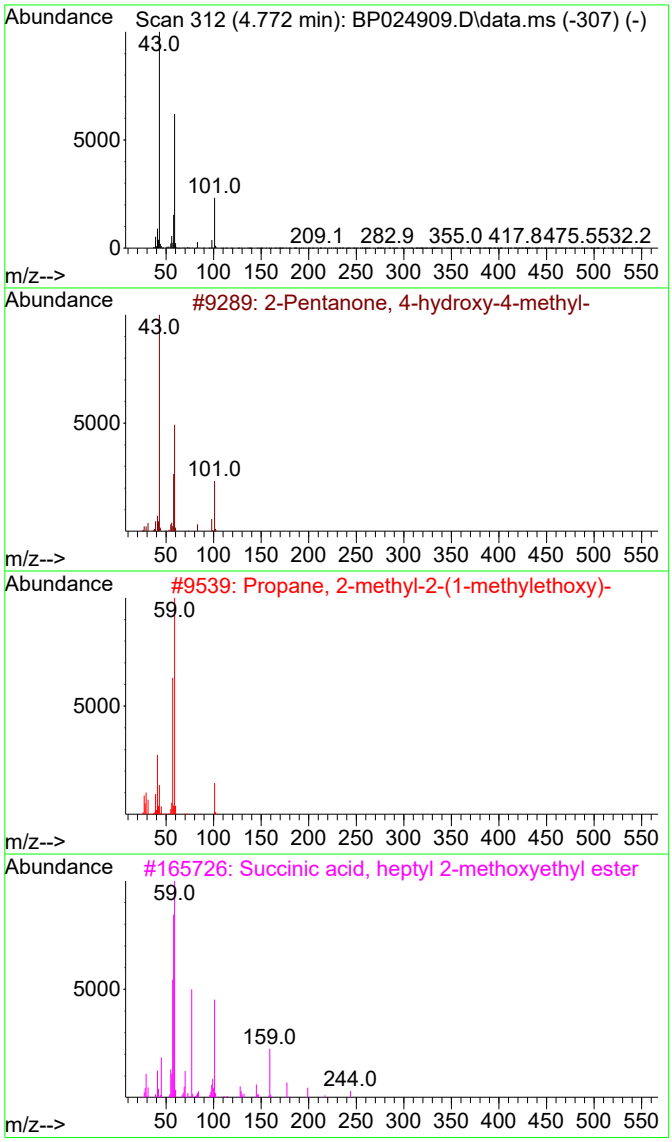
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

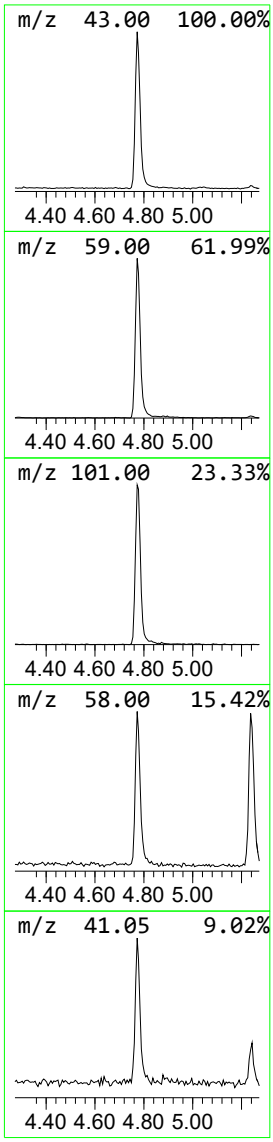
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.772	5.99 ng	399432	1,4-Dichlorobenzene-d4	7.613

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	50
3	Succinic acid, heptyl 2-methoxye...	274	C14H26O5	1000325-80-7	33
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
5	1,8-Nonanediol, 8-methyl-	174	C10H22O2	054725-73-4	17





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061125\
Data File : BP024909.D
Acq On : 11 Jun 2025 12:59
Operator : RC/JU
Sample : Q2176-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-28

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

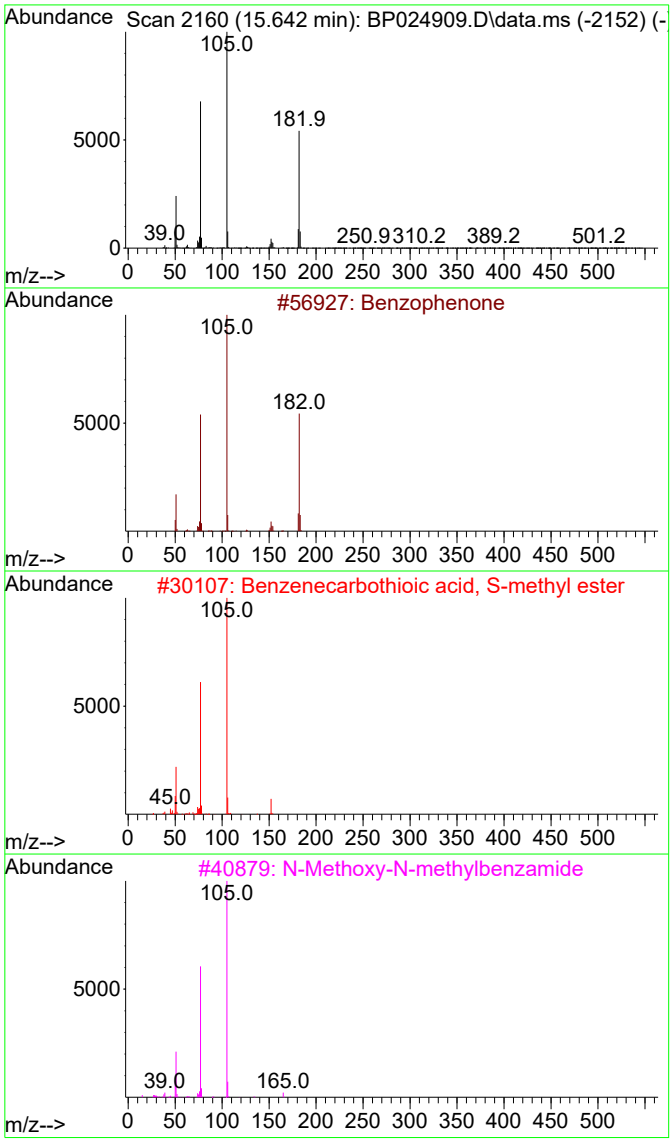
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

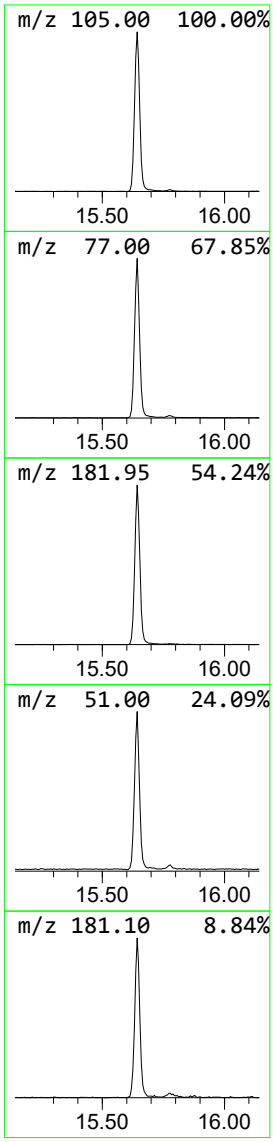
****

Peak Number 2 Benzophenone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.642	12.29 ng	1584440	Acenaphthene-d10	14.254

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	50
3	N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	49
4	N-Methylbenzamide, N-pentafluoro...	281	C11H8F5NO2	1000446-98-1	47
5	N-(1-Cyanovinyl)benzamide	172	C10H8N2O	1000186-19-1	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061125\
Data File : BP024909.D
Acq On : 11 Jun 2025 12:59
Operator : RC/JU
Sample : Q2176-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-28

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

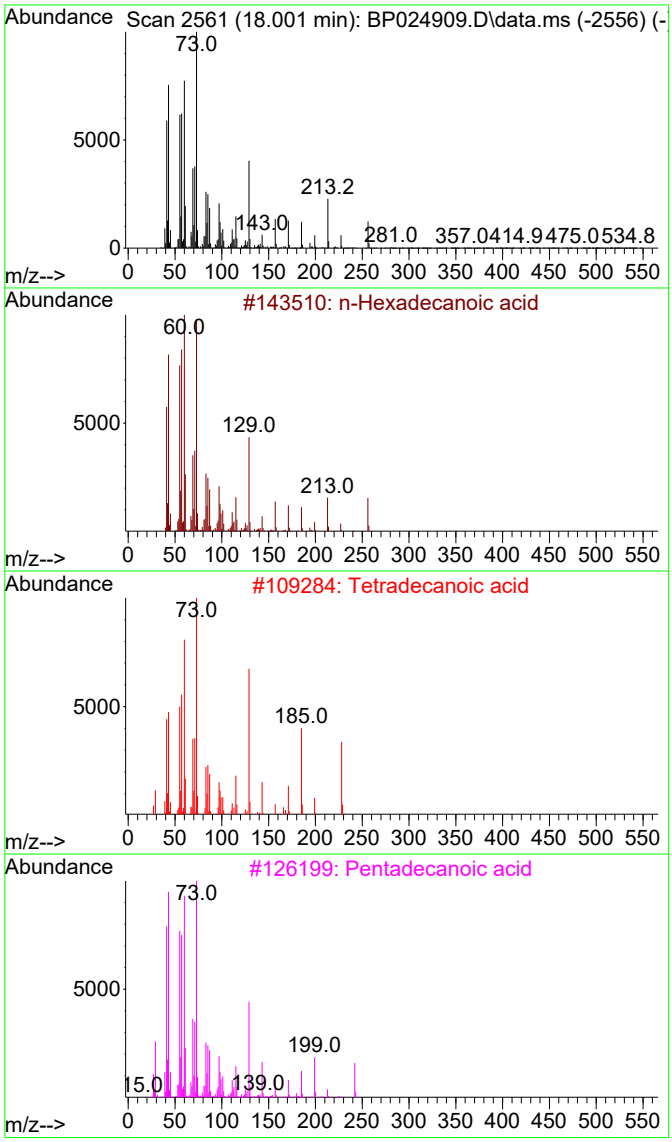
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

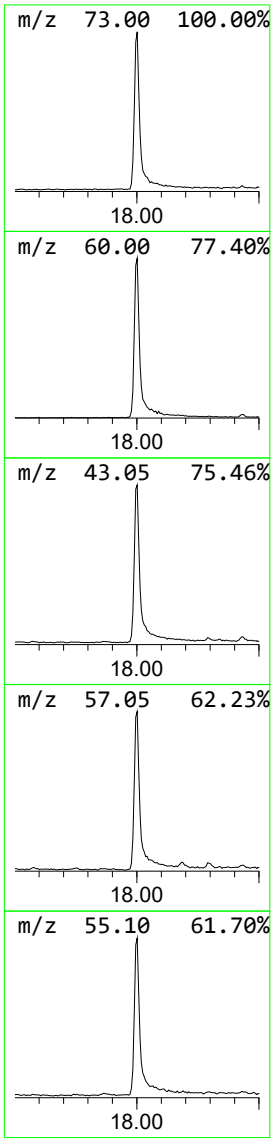
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.001	10.01 ng	1585450	Phenanthrene-d10	17.054

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	90
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	81
4	Tridecanoic acid	214	C13H26O2	000638-53-9	64
5	n-Decanoic acid	172	C10H20O2	000334-48-5	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061125\
Data File : BP024909.D
Acq On : 11 Jun 2025 12:59
Operator : RC/JU
Sample : Q2176-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-28

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

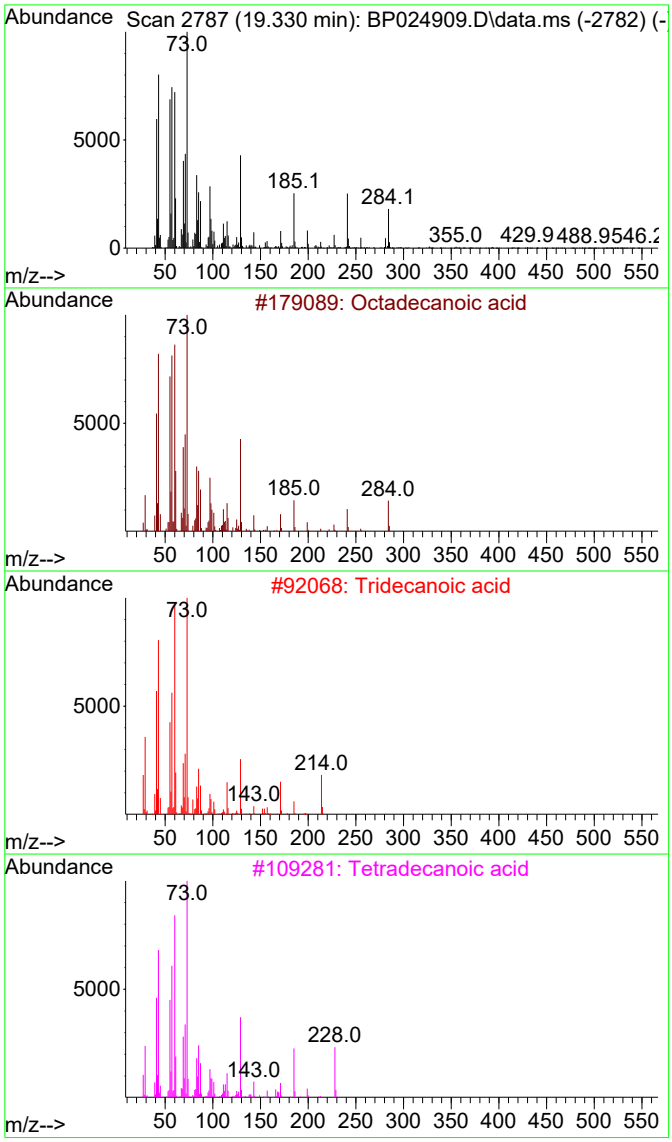
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

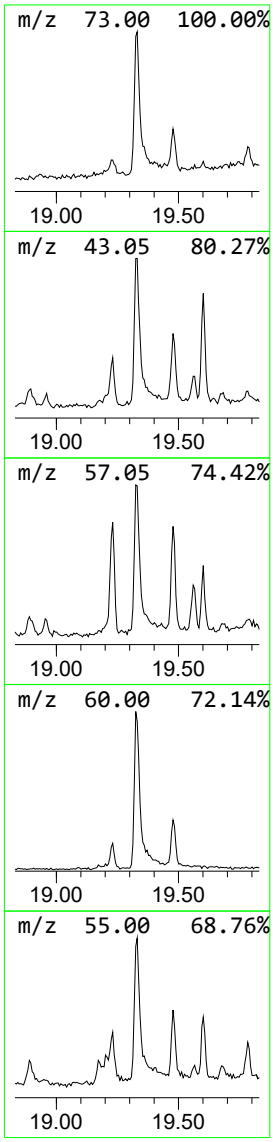
****

Peak Number 4 Octadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.331	2.61 ng	629727	Chrysene-d12	21.483

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	70
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	58
4	n-Decanoic acid	172	C10H20O2	000334-48-5	58
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	49





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061125\
Data File : BP024909.D
Acq On : 11 Jun 2025 12:59
Operator : RC/JU
Sample : Q2176-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-28

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

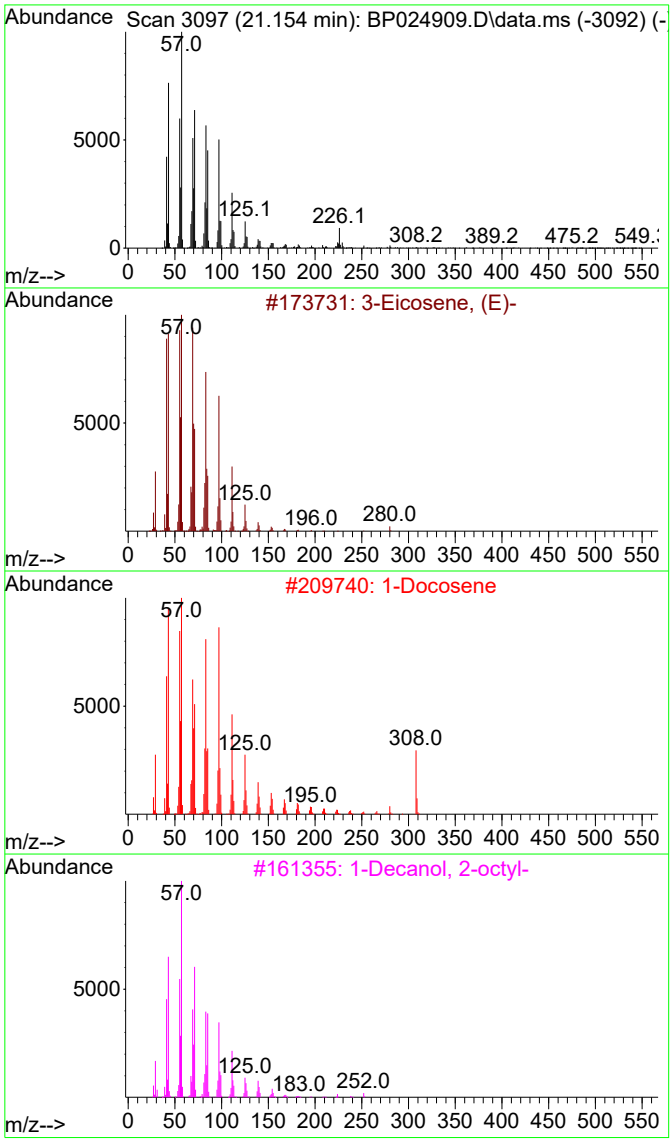
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

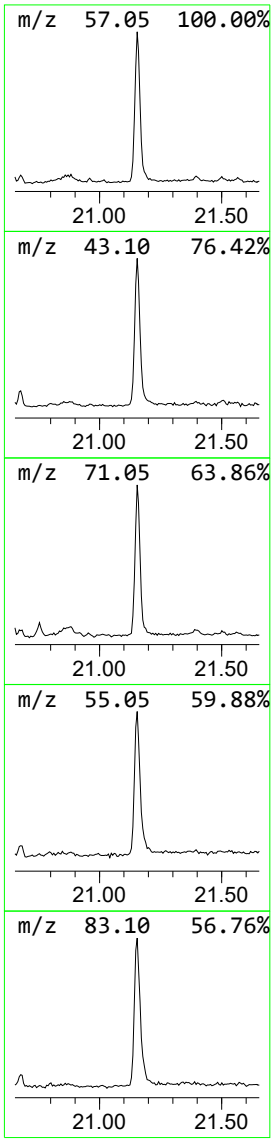
****

Peak Number 5 3-Eicosene, (E)- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.154	5.26 ng	1267730	Chrysene-d12	21.483

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Eicosene, (E)-	280	C20H40	074685-33-9	95
2	1-Docosene	308	C22H44	001599-67-3	93
3	1-Decanol, 2-octyl-	270	C18H38O	045235-48-1	91
4	Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	91
5	Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061125\
Data File : BP024909.D
Acq On : 11 Jun 2025 12:59
Operator : RC/JU
Sample : Q2176-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-28

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

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-...	4.772	6.0	ng	399432	1	7.613	1333730	20.0
Benzophenone	15.642	12.3	ng	1584440	3	14.254	2578870	20.0
n-Hexadecanoic ...	18.001	10.0	ng	1585450	4	17.054	3166680	20.0
Octadecanoic acid	19.331	2.6	ng	629727	5	21.483	4822930	20.0
3-Eicosene, (E)-	21.154	5.3	ng	1267730	5	21.483	4822930	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024897.D
Acq On : 10 Jun 2025 17:08
Operator : RC/JU
Sample : Q2176-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-27

Quant Time: Jun 10 17:45:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration

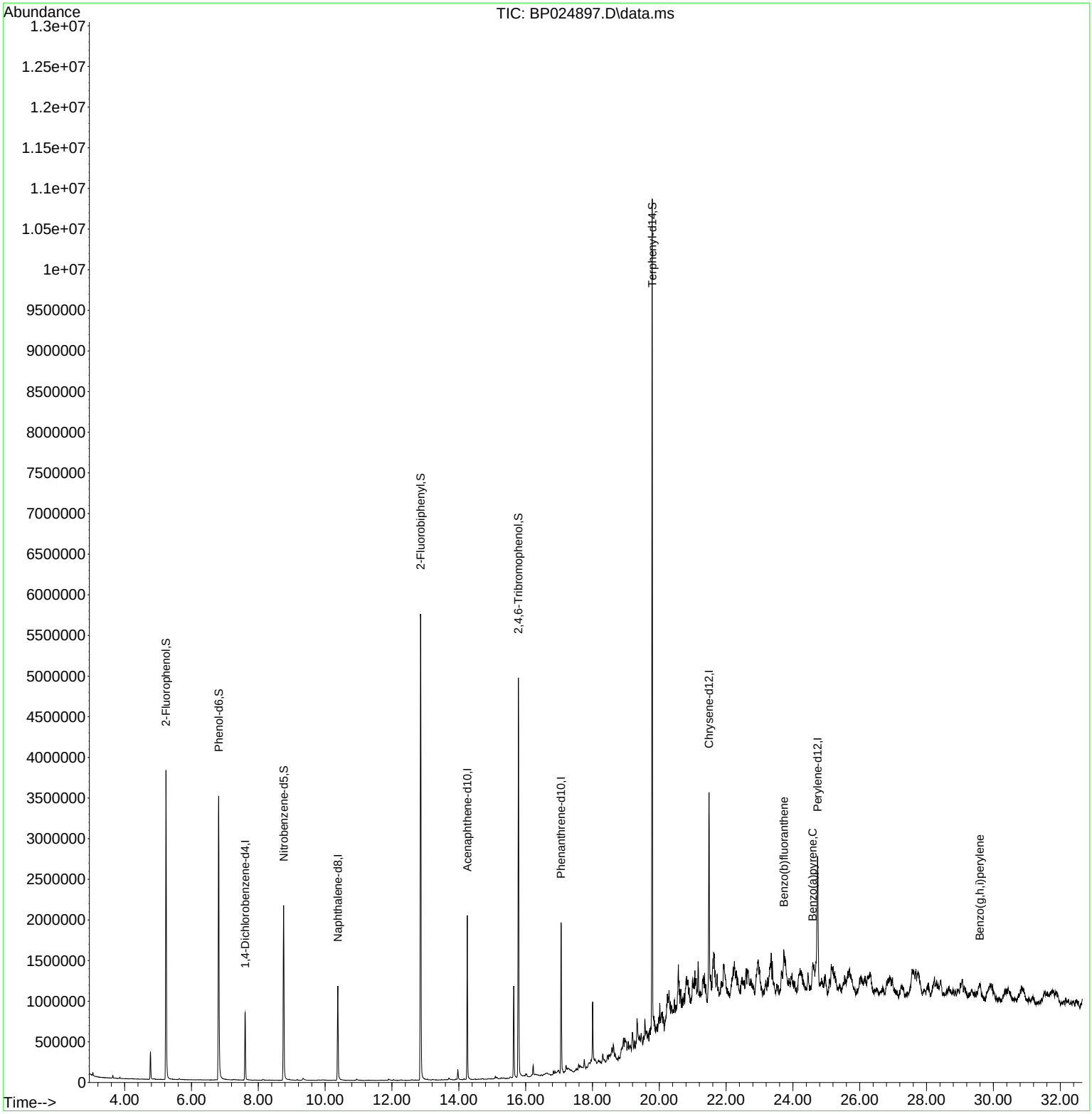
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.608	152	231122	20.000	ng	0.00
21) Naphthalene-d8	10.378	136	960347	20.000	ng	0.00
39) Acenaphthene-d10	14.254	164	611548	20.000	ng	0.00
64) Phenanthrene-d10	17.060	188	1164370	20.000	ng	0.00
76) Chrysene-d12	21.489	240	1196927	20.000	ng	0.00
86) Perylene-d12	24.736	264	1458416	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.237	112	1693696	122.321	ng	0.00
7) Phenol-d6	6.814	99	2201449	120.166	ng	0.00
23) Nitrobenzene-d5	8.761	82	1346189	68.116	ng	0.00
42) 2,4,6-Tribromophenol	15.784	330	1058190	125.156	ng	0.00
45) 2-Fluorobiphenyl	12.854	172	3247438	71.535	ng	0.00
79) Terphenyl-d14	19.789	244	4887638	73.186	ng	0.00
Target Compounds						Qvalue
88) Benzo(b)fluoranthene	23.730	252	229524	2.750	ng	# 84
90) Benzo(a)pyrene	24.589	252	200911	2.465	ng	# 90
92) Benzo(g,h,i)perylene	29.595	276	238149	2.771	ng	96

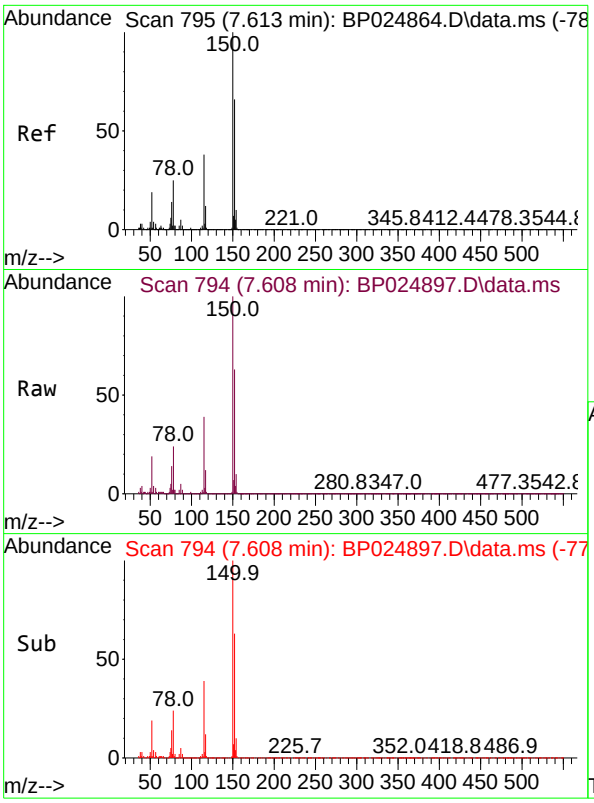
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024897.D
Acq On : 10 Jun 2025 17:08
Operator : RC/JU
Sample : Q2176-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-27

Quant Time: Jun 10 17:45:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration



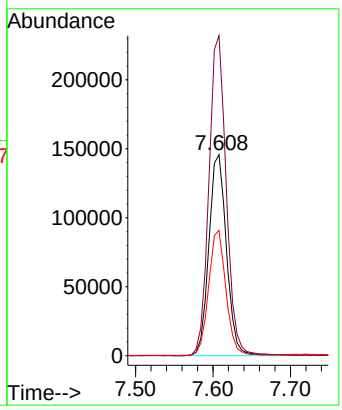


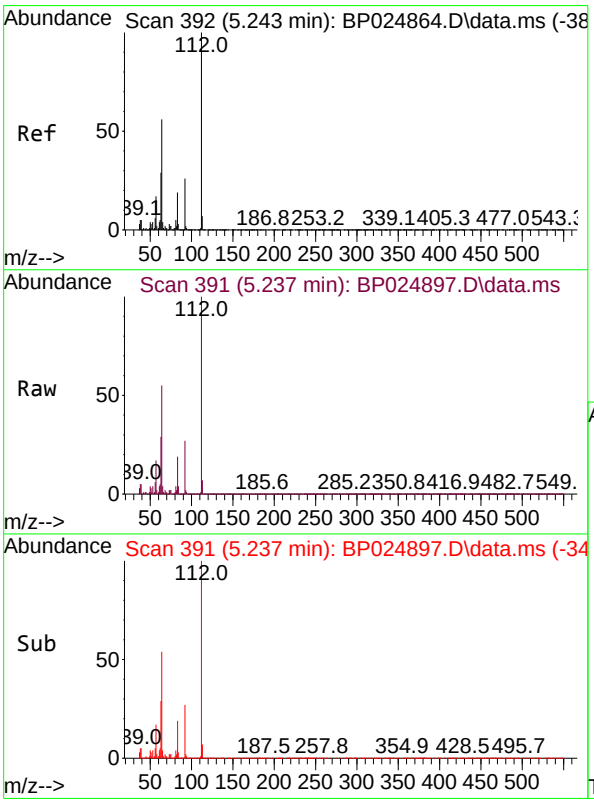
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.608 min Scan# 7
Delta R.T. -0.005 min
Lab File: BP024897.D
Acq: 10 Jun 2025 17:08

Instrument :
BNA_P
ClientSampleId :
TP-27

Tgt Ion:152 Resp: 231122

Ion	Ratio	Lower	Upper
152	100		
150	159.2	122.1	183.1
115	62.3	46.4	69.6

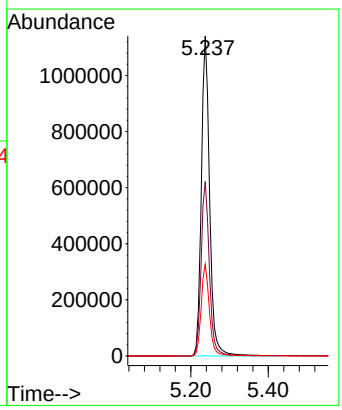


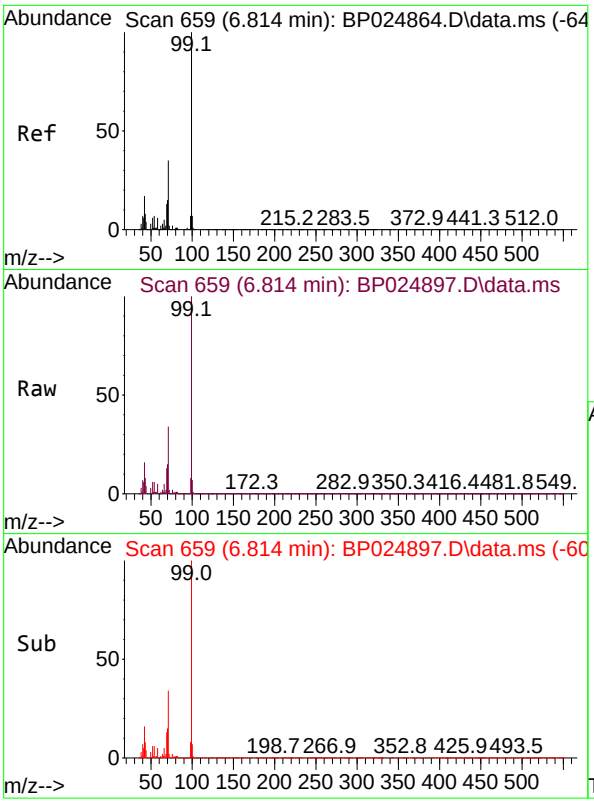


#5
2-Fluorophenol
Concen: 122.321 ng
RT: 5.237 min Scan# 391
Delta R.T. -0.006 min
Lab File: BP024897.D
Acq: 10 Jun 2025 17:08

Tgt Ion:112 Resp: 1693696

Ion	Ratio	Lower	Upper
112	100		
64	54.5	44.7	67.1
63	28.7	23.5	35.3



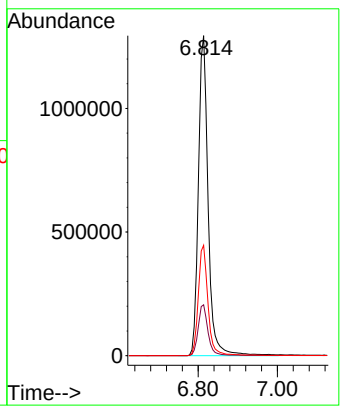


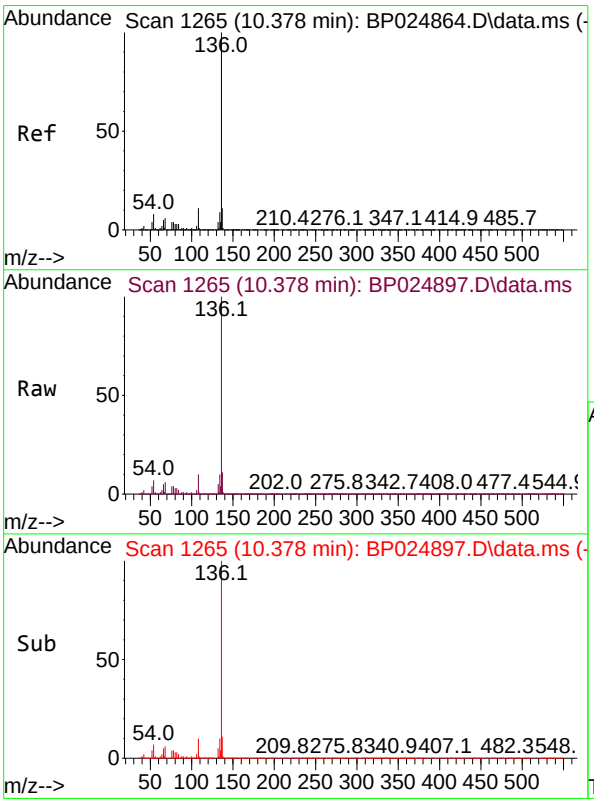
#7
Phenol-d6
Concen: 120.166 ng
RT: 6.814 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024897.D
Acq: 10 Jun 2025 17:08

Instrument :
BNA_P
ClientSampleId :
TP-27

Tgt Ion: 99 Resp: 2201449

Ion	Ratio	Lower	Upper
99	100		
42	15.9	13.4	20.2
71	34.5	27.6	41.4

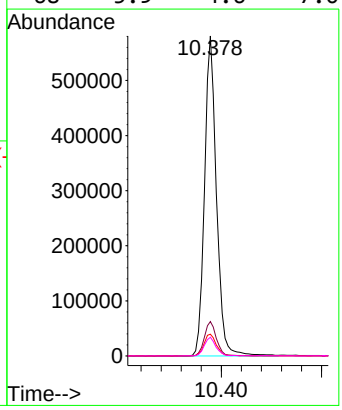


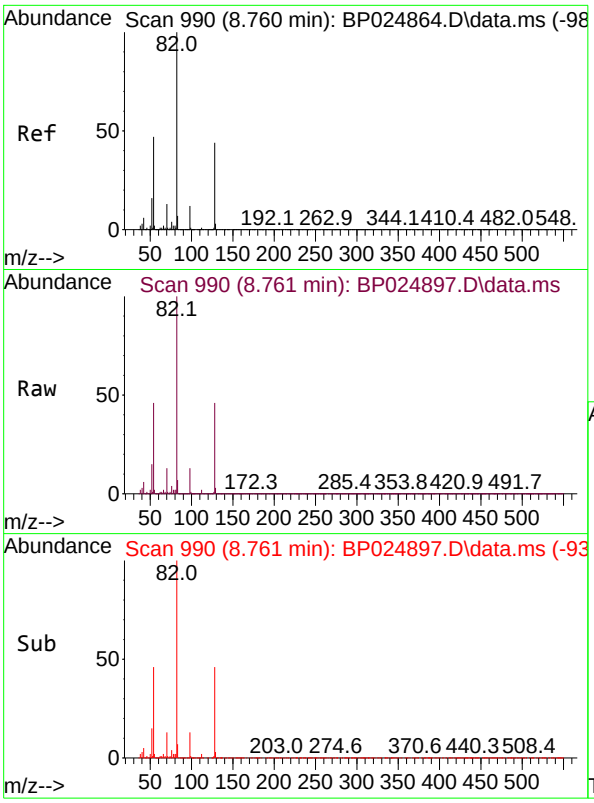


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.378 min Scan# 1265
Delta R.T. 0.000 min
Lab File: BP024897.D
Acq: 10 Jun 2025 17:08

Tgt Ion:136 Resp: 960347

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	6.8	6.1	9.1
68	5.9	4.6	7.0



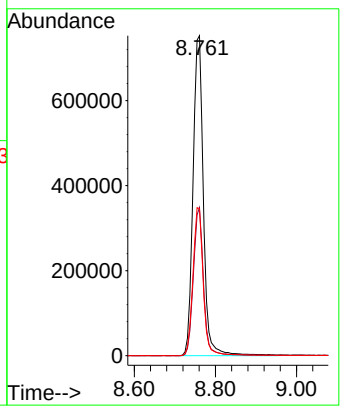


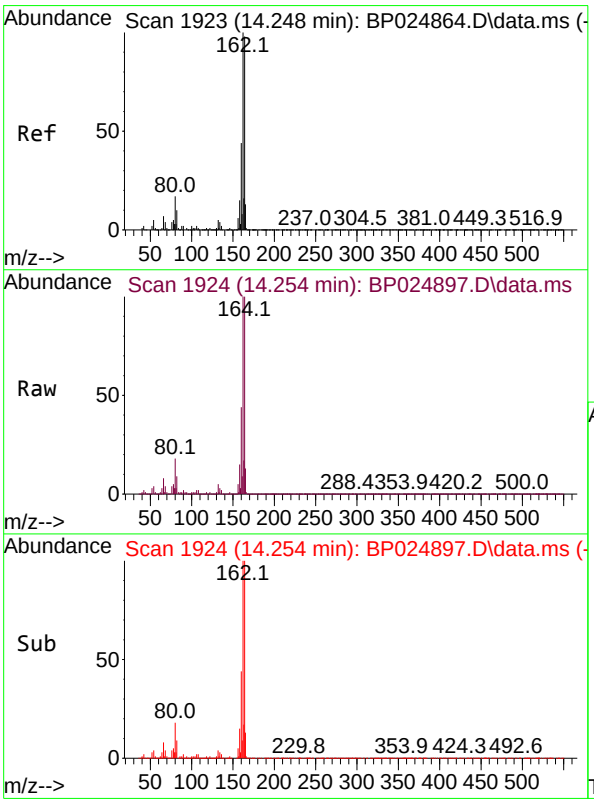
#23
Nitrobenzene-d5
Concen: 68.116 ng
RT: 8.761 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP024897.D
Acq: 10 Jun 2025 17:08

Instrument :
BNA_P
ClientSampleId :
TP-27

Tgt Ion: 82 Resp: 1346189

Ion	Ratio	Lower	Upper
82	100		
128	46.3	35.3	52.9
54	46.0	37.4	56.0

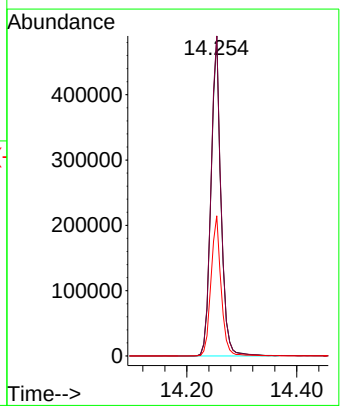


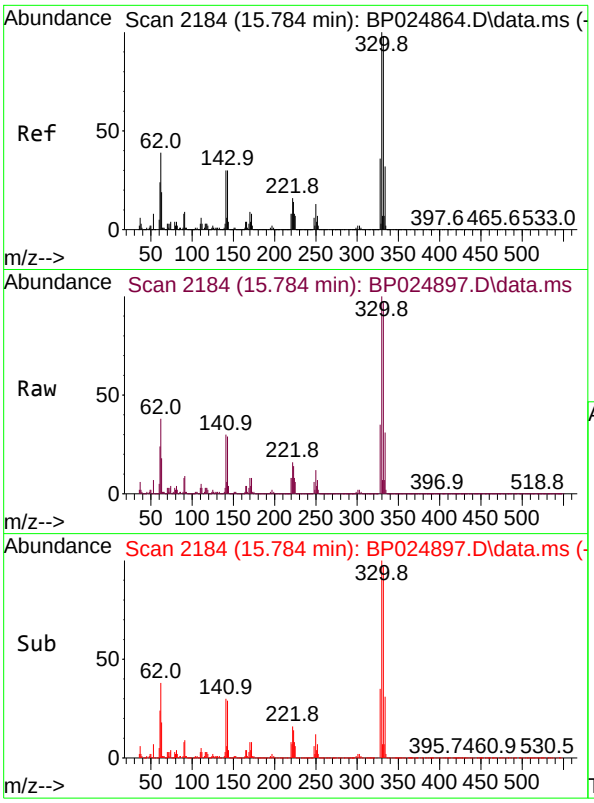


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.254 min Scan# 1924
Delta R.T. 0.006 min
Lab File: BP024897.D
Acq: 10 Jun 2025 17:08

Tgt Ion:164 Resp: 611548

Ion	Ratio	Lower	Upper
164	100		
162	100.0	81.6	122.4
160	43.8	36.2	54.2



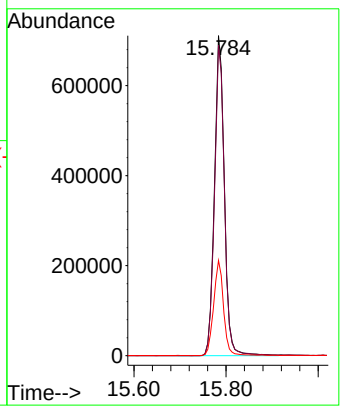


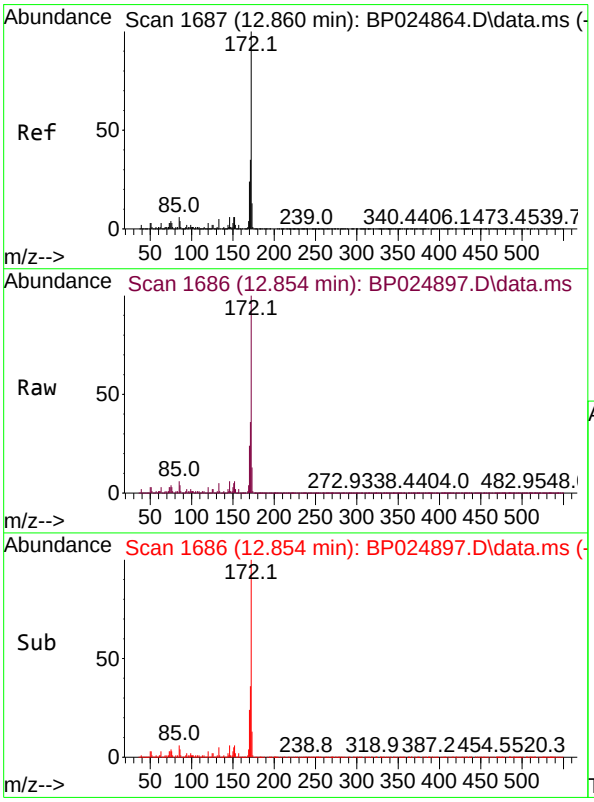
#42
2,4,6-Tribromophenol
Concen: 125.156 ng
RT: 15.784 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024897.D
Acq: 10 Jun 2025 17:08

Instrument :
BNA_P
ClientSampleId :
TP-27

Tgt Ion:330 Resp: 1058190

Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.7	116.5
141	29.9	26.4	39.6

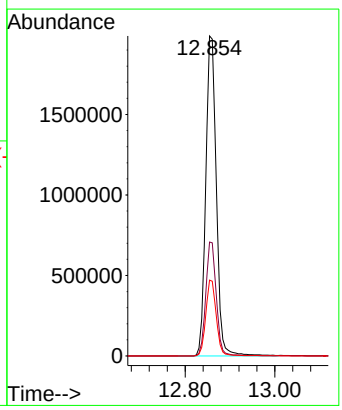


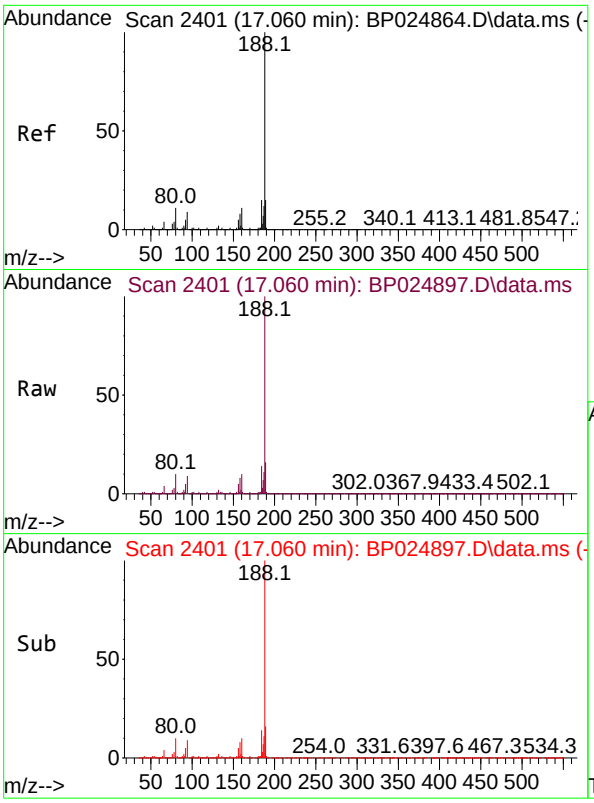


#45
2-Fluorobiphenyl
Concen: 71.535 ng
RT: 12.854 min Scan# 1686
Delta R.T. -0.006 min
Lab File: BP024897.D
Acq: 10 Jun 2025 17:08

Tgt Ion:172 Resp: 3247438

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.3	42.5
170	23.7	19.0	28.4



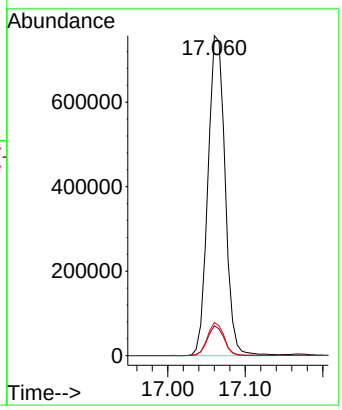


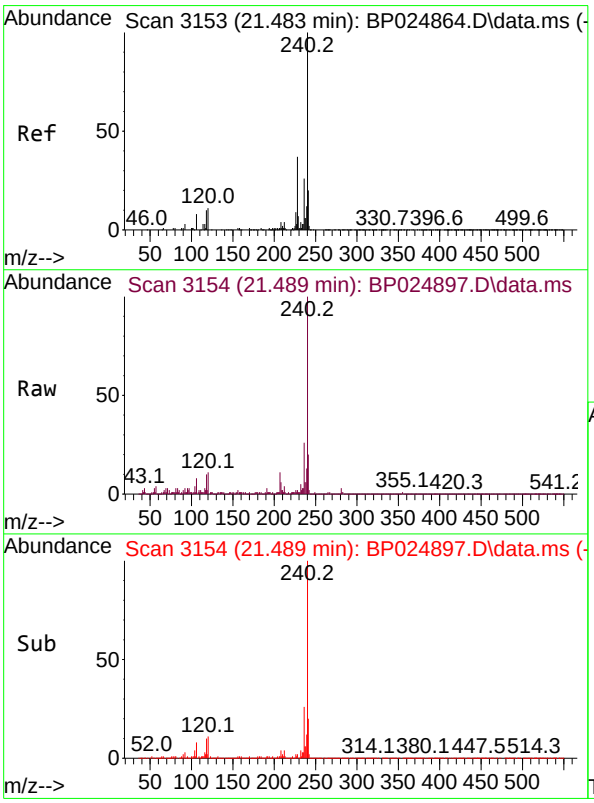
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.060 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP024897.D
Acq: 10 Jun 2025 17:08

Instrument :
BNA_P
ClientSampleId :
TP-27

Tgt Ion:188 Resp: 1164370

Ion	Ratio	Lower	Upper
188	100		
94	9.4	7.3	10.9
80	10.4	8.5	12.7

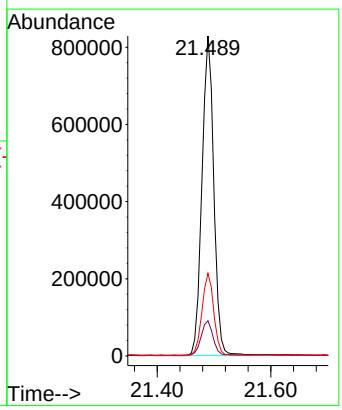


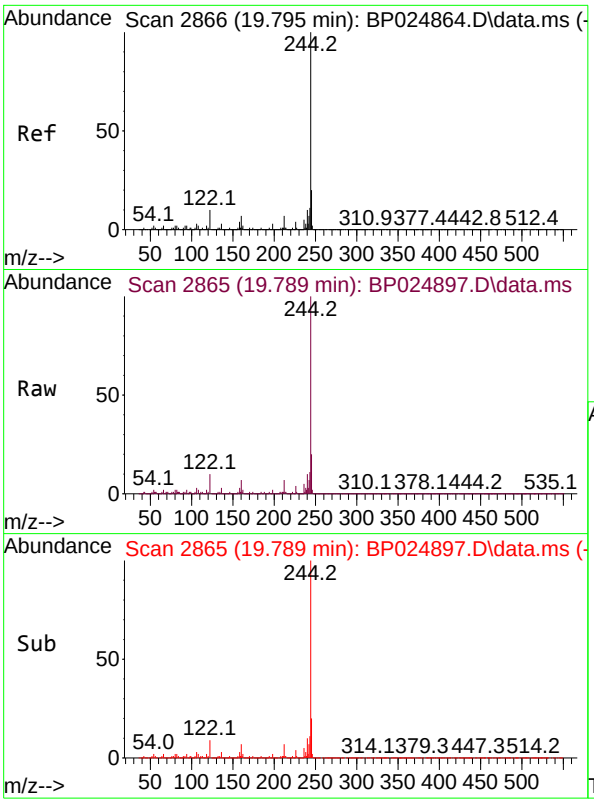


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.489 min Scan# 3154
Delta R.T. 0.006 min
Lab File: BP024897.D
Acq: 10 Jun 2025 17:08

Tgt Ion:240 Resp: 1196927

Ion	Ratio	Lower	Upper
240	100		
120	11.0	8.9	13.3
236	25.8	20.9	31.3



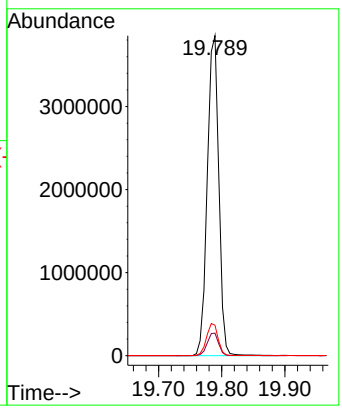


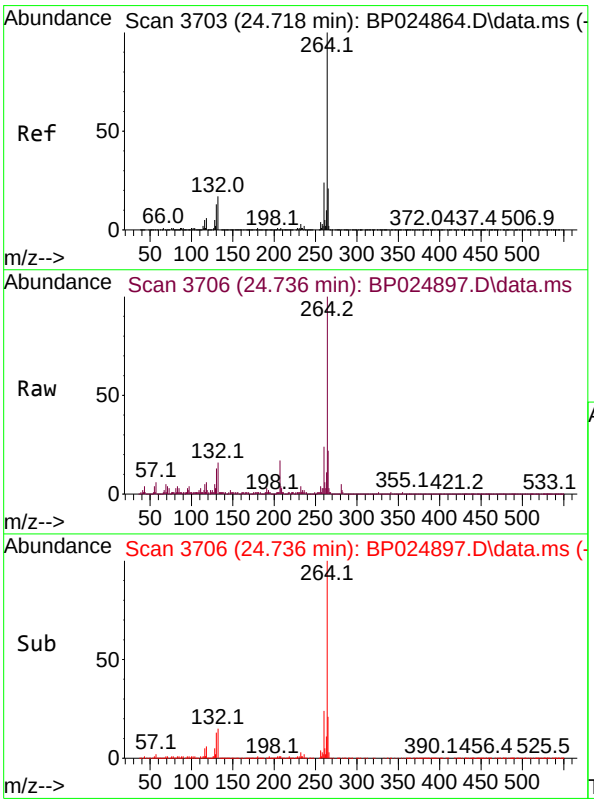
#79
Terphenyl-d14
Concen: 73.186 ng
RT: 19.789 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024897.D
Acq: 10 Jun 2025 17:08

Instrument :
BNA_P
ClientSampleId :
TP-27

Tgt Ion:244 Resp: 4887638

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	9.5	7.7	11.5

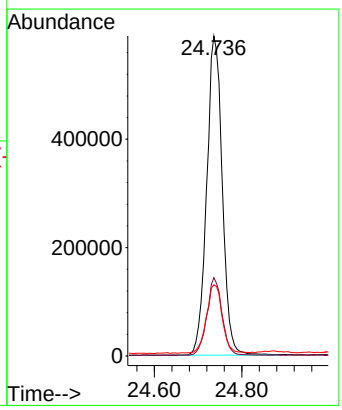


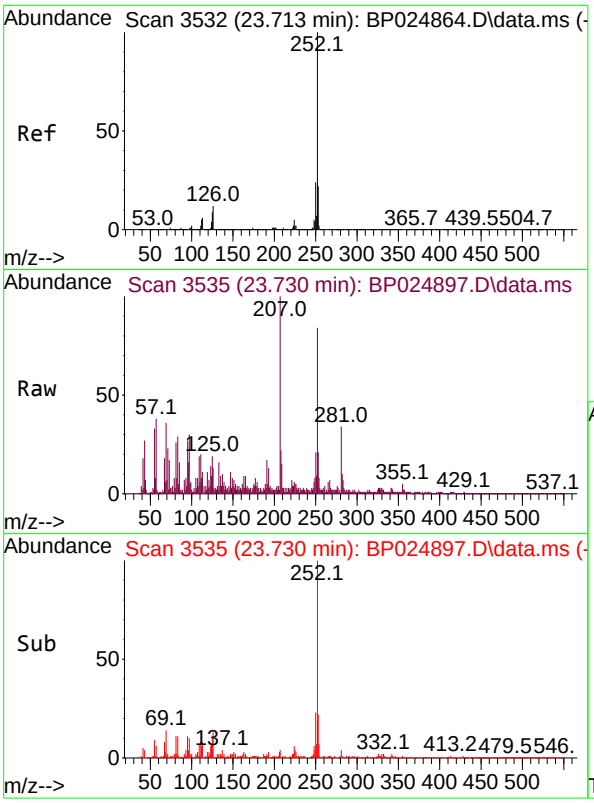


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.736 min Scan# 3706
Delta R.T. 0.018 min
Lab File: BP024897.D
Acq: 10 Jun 2025 17:08

Tgt Ion:264 Resp: 1458416

Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.0	28.4
265	22.3	17.4	26.0



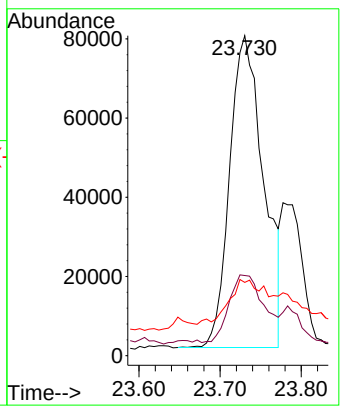


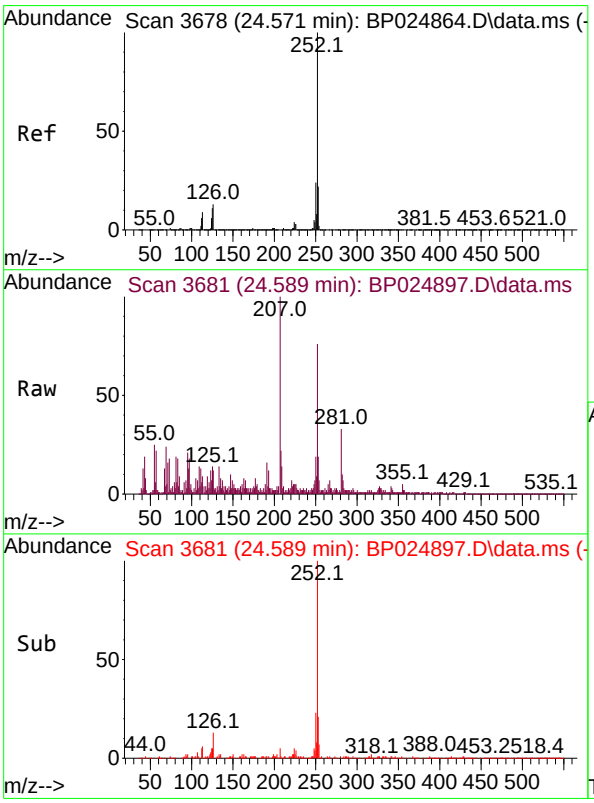
#88
Benzo(b)fluoranthene
Concen: 2.750 ng
RT: 23.730 min Scan# 3
Delta R.T. 0.018 min
Lab File: BP024897.D
Acq: 10 Jun 2025 17:08

Instrument :
BNA_P
ClientSampleId :
TP-27

Tgt Ion:252 Resp: 229524

Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.6	26.4
125	22.9	7.1	10.7#

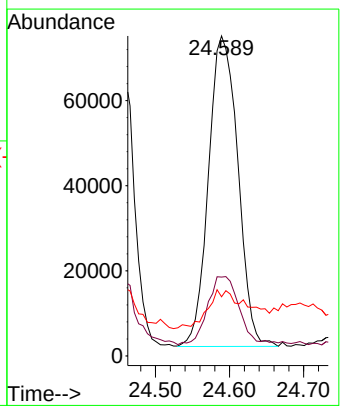


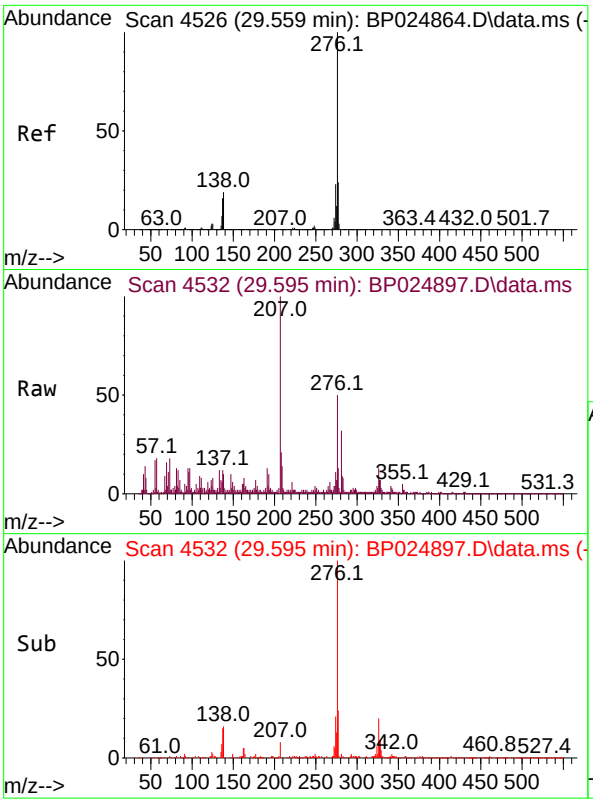


#90
Benzo(a)pyrene
Concen: 2.465 ng
RT: 24.589 min Scan# 3681
Delta R.T. 0.018 min
Lab File: BP024897.D
Acq: 10 Jun 2025 17:08

Tgt Ion:252 Resp: 200911

Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.5	26.3
125	18.5	8.8	13.2#



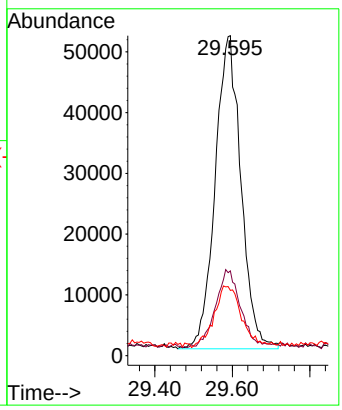


#92
Benzo(g,h,i)perylene
Concen: 2.771 ng
RT: 29.595 min Scan# 4
Delta R.T. 0.035 min
Lab File: BP024897.D
Acq: 10 Jun 2025 17:08

Instrument :
BNA_P
ClientSampleId :
TP-27

Tgt Ion:276 Resp: 238149

Ion	Ratio	Lower	Upper
276	100		
277	26.5	19.1	28.7
138	20.4	15.4	23.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024897.D
Acq On : 10 Jun 2025 17:08
Operator : RC/JU
Sample : Q2176-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-27

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

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

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

Signal : TIC: BP024897.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.772	306	312	324	rBV	339855	494833	3.75%	0.706%
2	5.237	385	391	413	rBV	3802669	5600343	42.41%	7.994%
3	6.814	652	659	684	rBV	3493074	6031923	45.67%	8.610%
4	7.608	787	794	803	rBV	828895	1316947	9.97%	1.880%
5	8.761	982	990	1004	rBV	2150750	3795696	28.74%	5.418%
6	10.378	1255	1265	1279	rBV	1160379	1953387	14.79%	2.788%
7	12.854	1678	1686	1704	rBV	5737617	9373776	70.98%	13.380%
8	13.972	1871	1876	1884	rBV	122006	185576	1.41%	0.265%
9	14.254	1918	1924	1943	rVB	2016960	2586562	19.59%	3.692%
10	15.643	2154	2160	2175	rBV	1123744	1725833	13.07%	2.463%
11	15.784	2177	2184	2199	rBV	4911702	7322580	55.45%	10.452%
12	16.225	2254	2259	2265	rBV	118849	169948	1.29%	0.243%
13	17.060	2395	2401	2408	rBV2	1855179	2882140	21.82%	4.114%
14	17.207	2422	2426	2431	rBV	77336	150010	1.14%	0.214%
15	17.754	2516	2519	2527	rVB3	117444	185172	1.40%	0.264%
16	18.007	2558	2562	2571	rVB	723777	990431	7.50%	1.414%
17	18.625	2665	2667	2674	rVB3	145532	240779	1.82%	0.344%
18	18.860	2702	2707	2708	rBV4	105886	153168	1.16%	0.219%
19	19.195	2759	2764	2771	rBV	229504	527077	3.99%	0.752%
20	19.331	2784	2787	2798	rBV3	312154	726916	5.50%	1.038%
21	19.572	2824	2828	2832	rBV	250847	413738	3.13%	0.591%
22	19.707	2848	2851	2852	rBV3	134717	156484	1.18%	0.223%
23	19.789	2859	2865	2871	rBV	10206622	13206519	100.00%	18.850%
24	20.013	2901	2903	2905	rBV	256982	215703	1.63%	0.308%
25	20.201	2926	2935	2936	rBV7	188386	447682	3.39%	0.639%
26	20.219	2936	2938	2940	rBV2	155805	173504	1.31%	0.248%
27	20.572	2995	2998	3001	rBV	331068	371273	2.81%	0.530%
28	21.160	3096	3098	3102	rVB2	422256	538882	4.08%	0.769%
29	21.354	3129	3131	3135	rVB3	235140	206597	1.56%	0.295%
30	21.489	3149	3154	3160	rBV	2401029	3611050	27.34%	5.154%
31	23.383	3474	3476	3481	rVB2	290712	347750	2.63%	0.496%
32	24.736	3700	3706	3715	rVB	1597550	3957050	29.96%	5.648%

Sum of corrected areas: 70059329

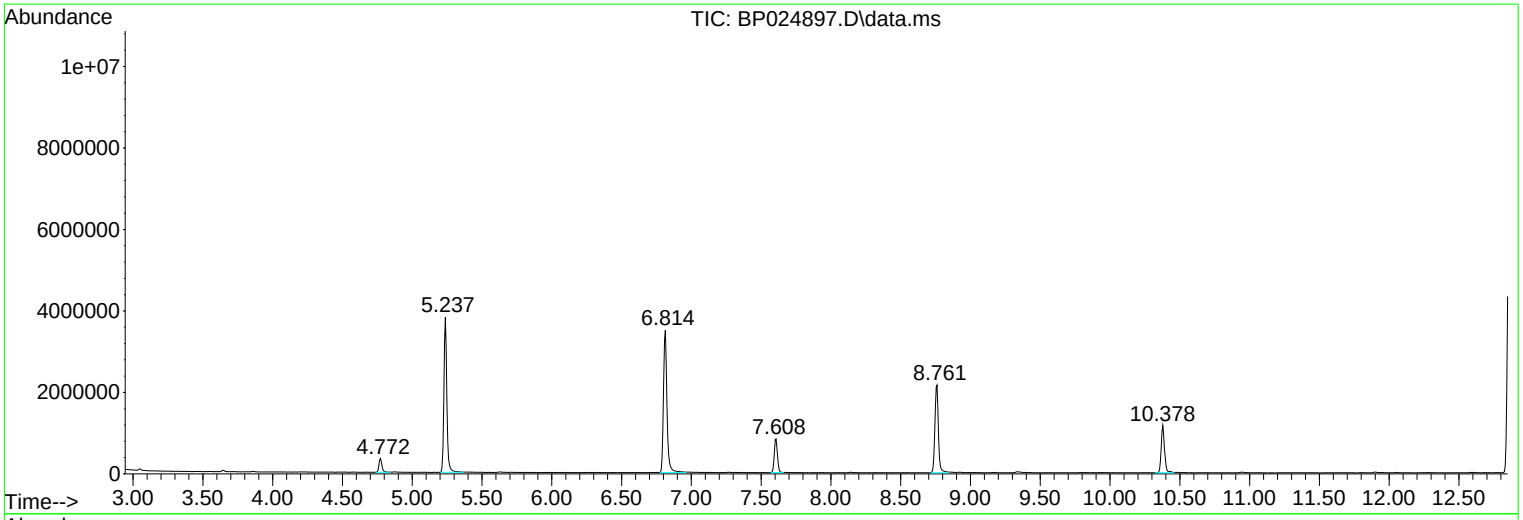
Sample Results: **BP024897.D**

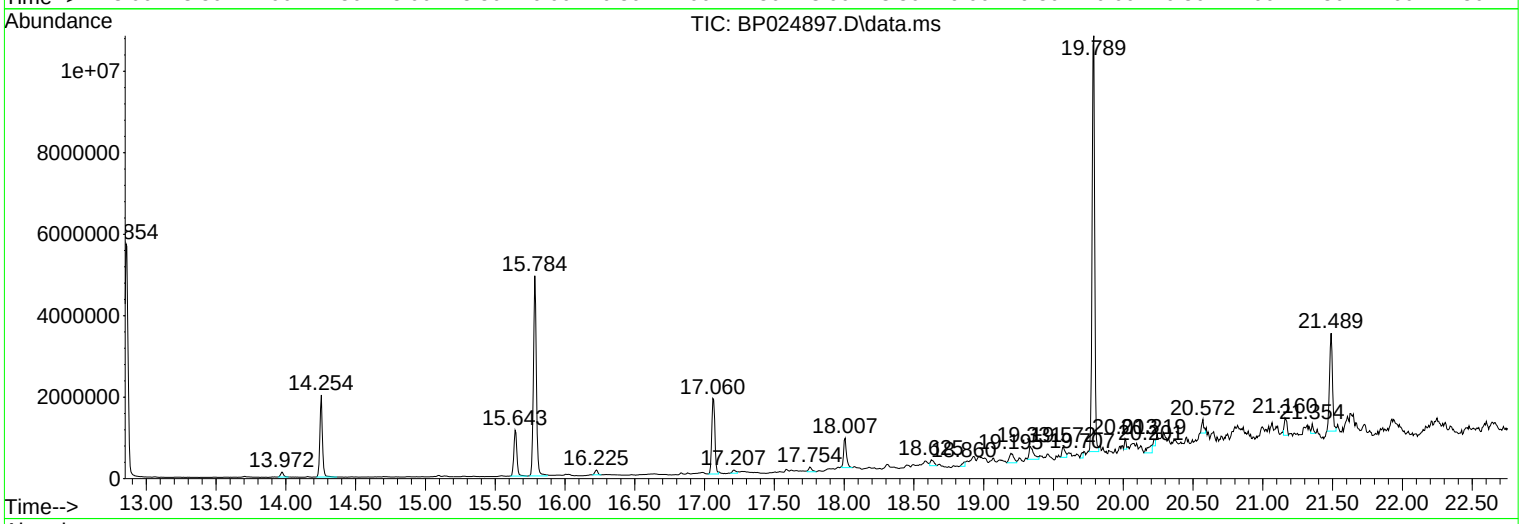
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024897.D
Acq On : 10 Jun 2025 17:08
Operator : RC/JU
Sample : Q2176-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

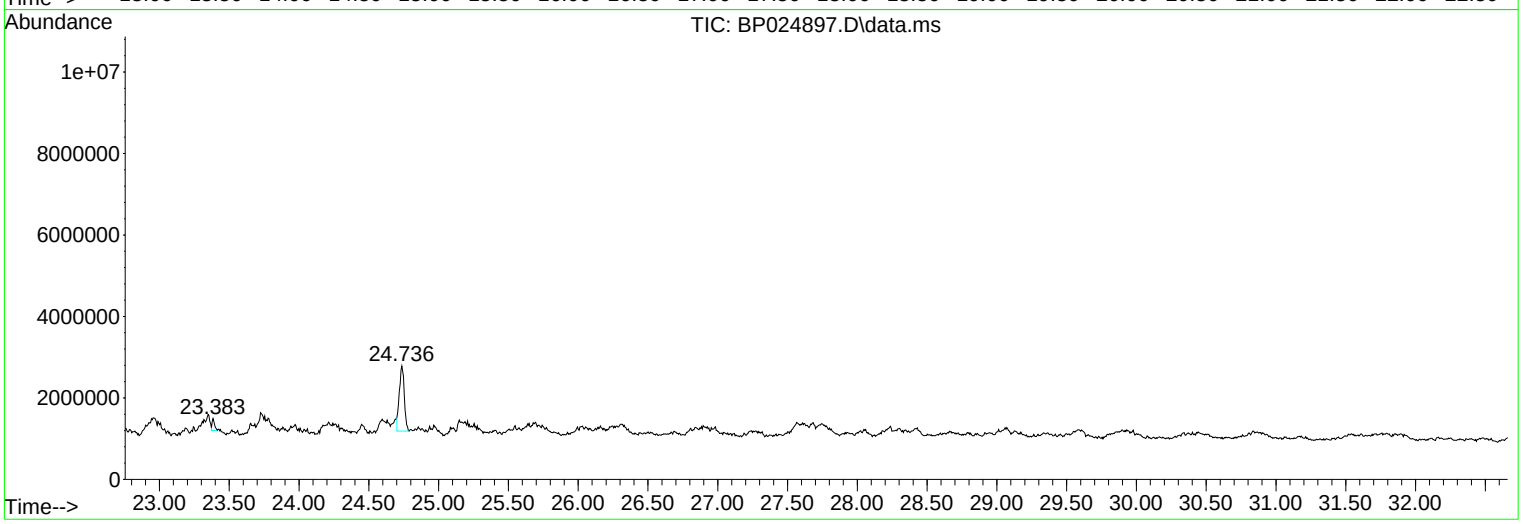
Instrument :
BNA_P
ClientSampleId :
TP-27

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

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







Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024897.D
Acq On : 10 Jun 2025 17:08
Operator : RC/JU
Sample : Q2176-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-27

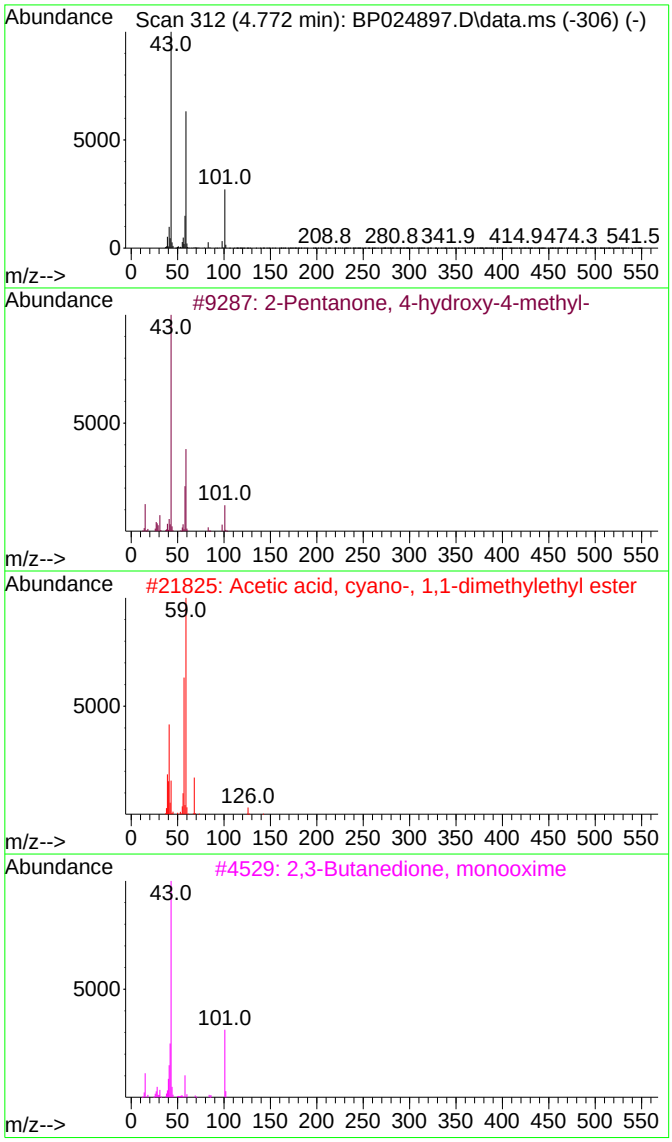
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

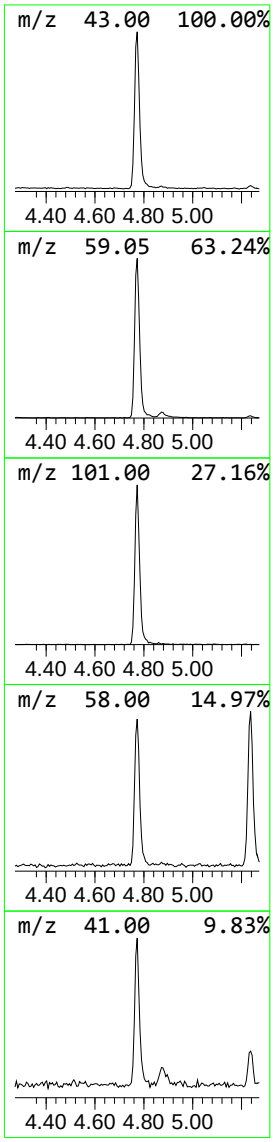
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.772	7.51 ng	494833	1,4-Dichlorobenzene-d4	7.608

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	17
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024897.D
Acq On : 10 Jun 2025 17:08
Operator : RC/JU
Sample : Q2176-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-27

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

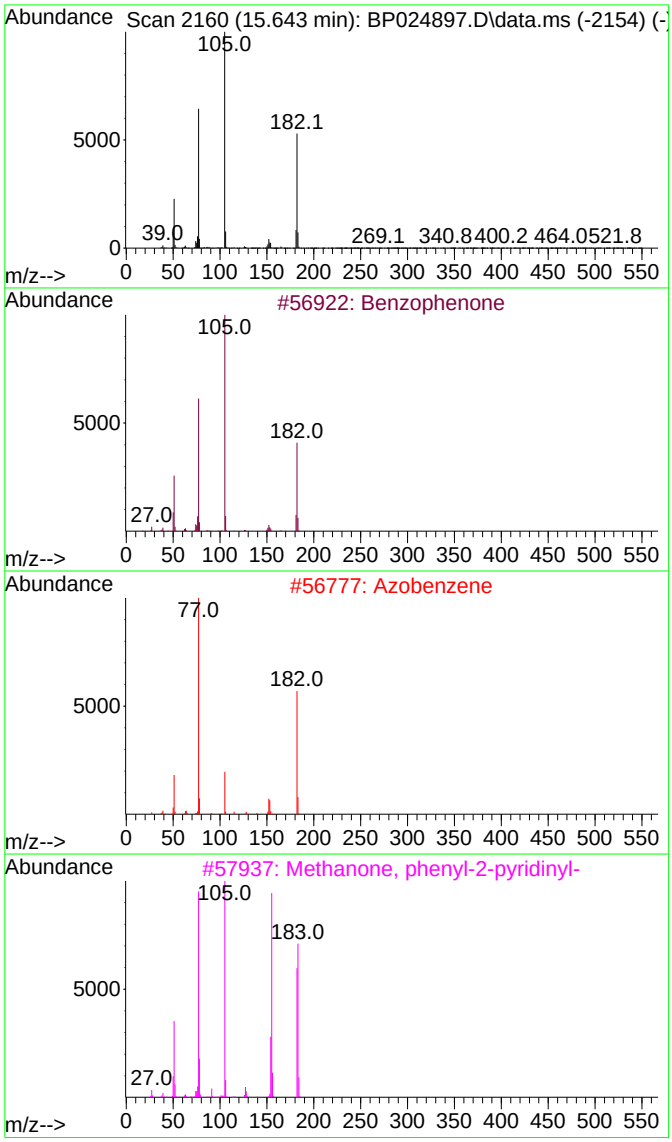
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

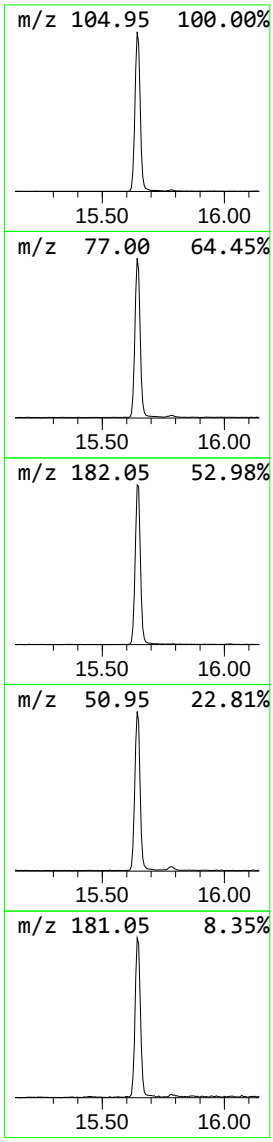
****

Peak Number 2 Benzophenone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.643	13.34 ng	1725830	Acenaphthene-d10	14.254

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	97
2	Azobenzene	182	C12H10N2	000103-33-3	53
3	Methanone, phenyl-2-pyridinyl-	183	C12H9NO	000091-02-1	50
4	Benzenamine, N-(3-pyridinylmethy...	182	C12H10N2	029722-97-2	45
5	1,1-Diphenyl-2-phenylthiobut-3-e...	332	C22H20OS	097370-20-2	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024897.D
Acq On : 10 Jun 2025 17:08
Operator : RC/JU
Sample : Q2176-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-27

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

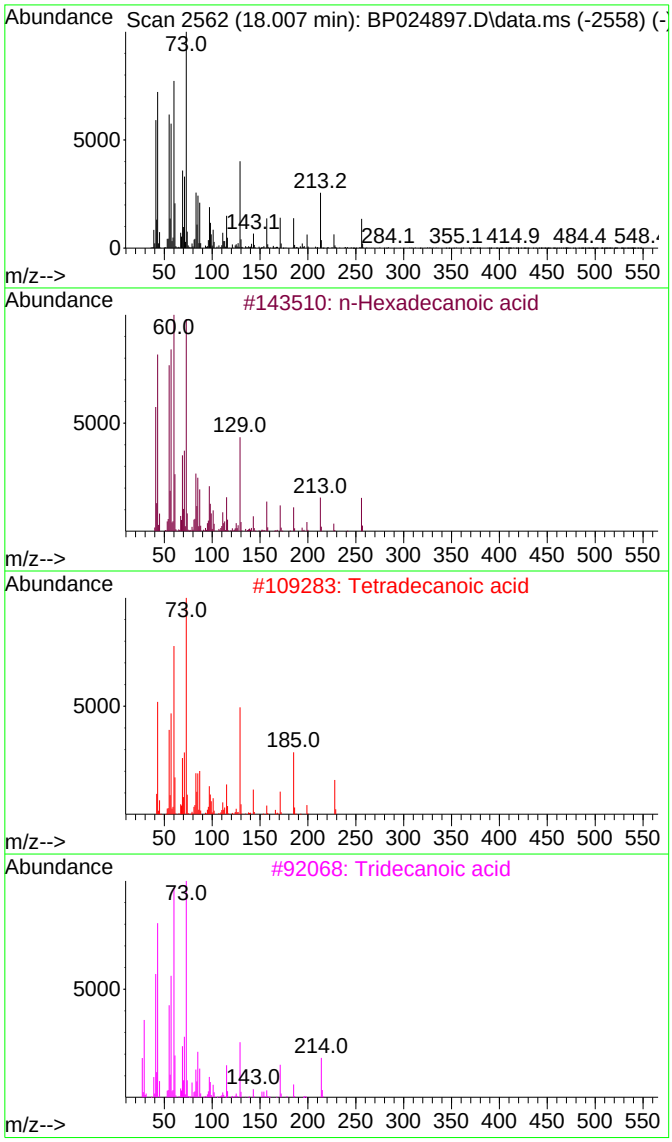
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

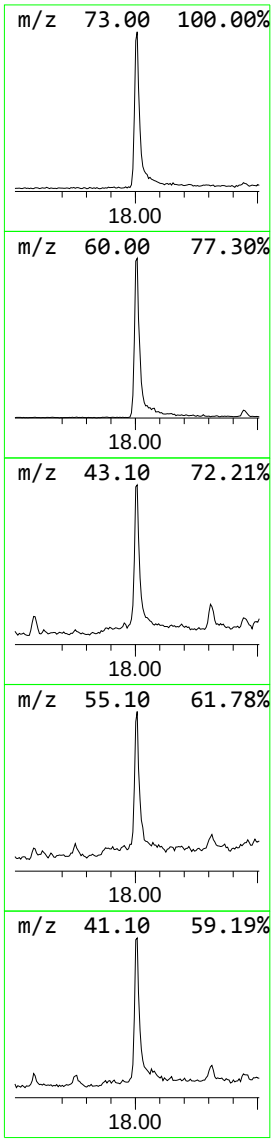
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.007	6.87 ng	990431	Phenanthrene-d10	17.060

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	91
3	Tridecanoic acid	214	C13H26O2	000638-53-9	89
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	87
5	n-Decanoic acid	172	C10H20O2	000334-48-5	62





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024897.D
Acq On : 10 Jun 2025 17:08
Operator : RC/JU
Sample : Q2176-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-27

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

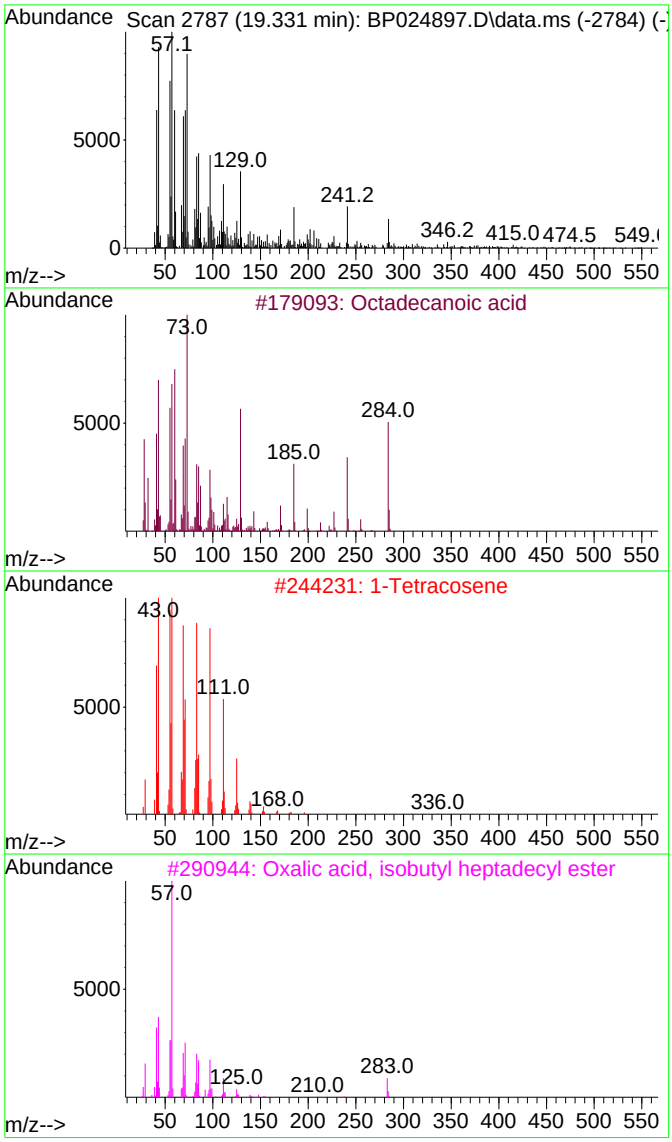
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

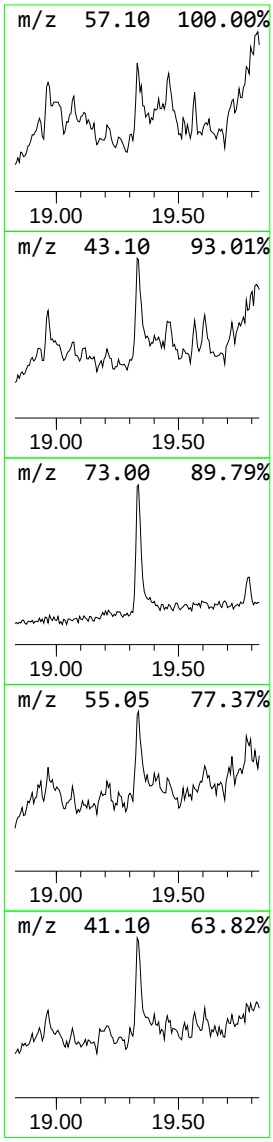
****

Peak Number 5 Octadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.331	4.03 ng	726916	Chrysene-d12	21.489

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	95
2	1-Tetracosene	336	C24H48	010192-32-2	53
3	Oxalic acid, isobutyl heptadecyl...	384	C23H44O4	1000309-38-2	49
4	Dotriacontyl heptafluorobutyrate	662	C36H65F7O2	1000351-84-2	45
5	Octacosyl heptafluorobutyrate	606	C32H57F7O2	1010351-83-6	41





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024897.D
Acq On : 10 Jun 2025 17:08
Operator : RC/JU
Sample : Q2176-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-27

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

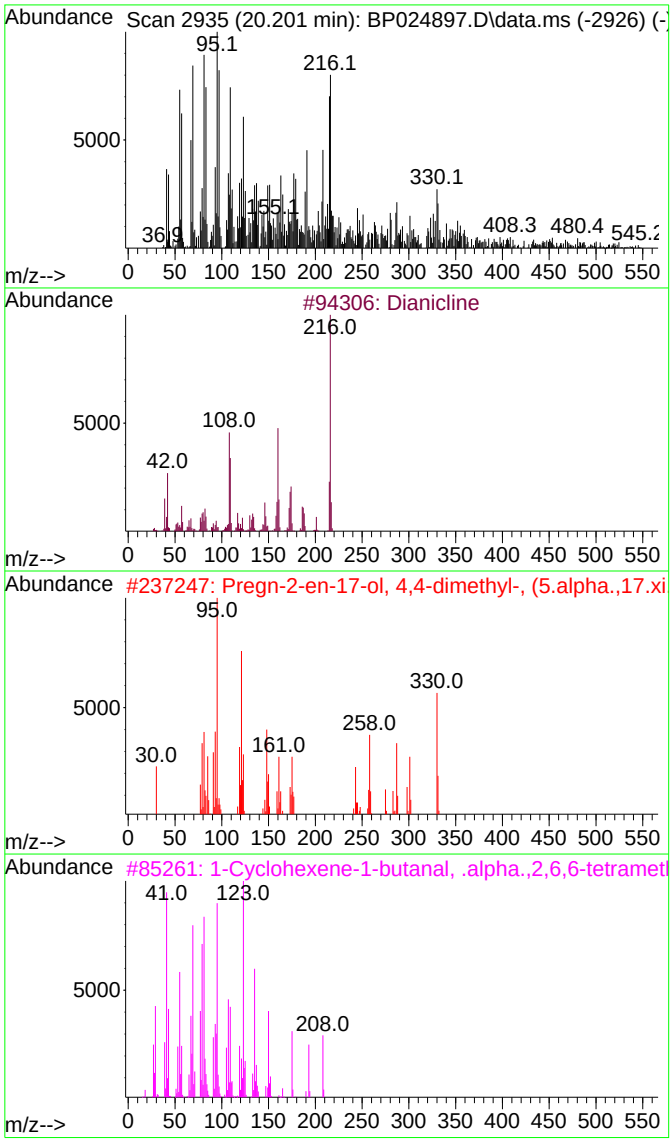
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****

Peak Number 7 unknown20.201 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.201	2.48 ng	447682	Chrysene-d12	21.489

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dianicline	216	C13H16N2O	292634-27-6	42
2	Pregn-2-en-17-ol, 4,4-dimethyl-,...	330	C23H38O	053286-40-1	41
3	1-Cyclohexene-1-butanal, .alpha....	208	C14H24O	021632-06-4	38
4	Fenpropathrin	349	C22H23NO3	039515-41-8	25
5	4-Chloro-2,3,5,6-tetrafluorothio...	216	C6HClF4S	013634-93-0	25



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024897.D
Acq On : 10 Jun 2025 17:08
Operator : RC/JU
Sample : Q2176-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-27

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

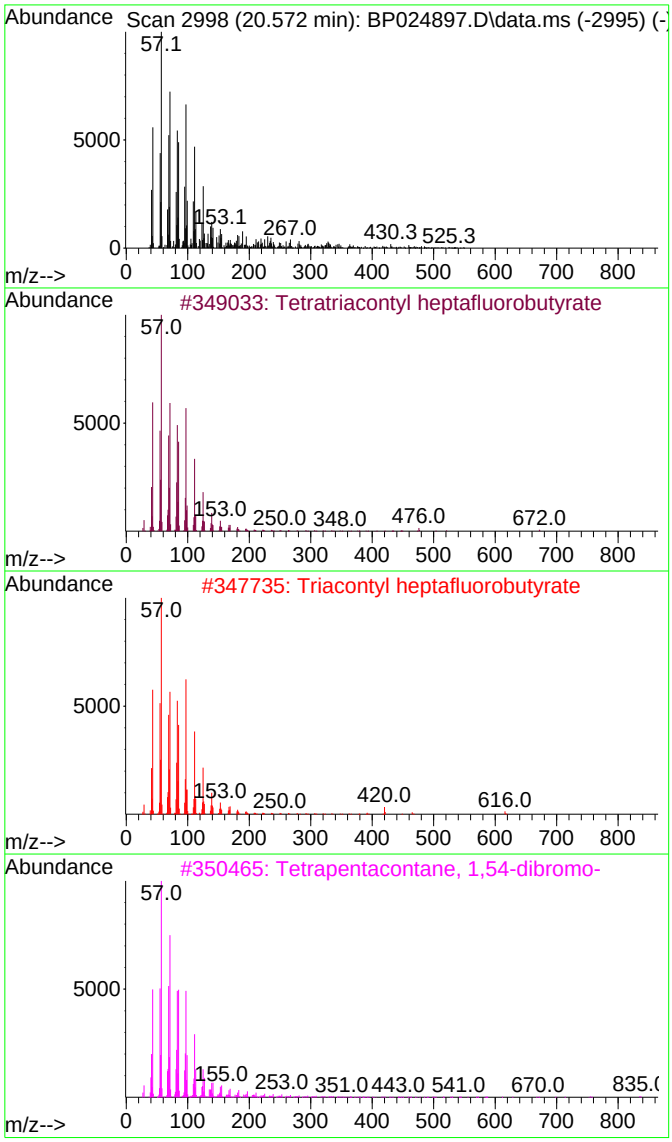
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

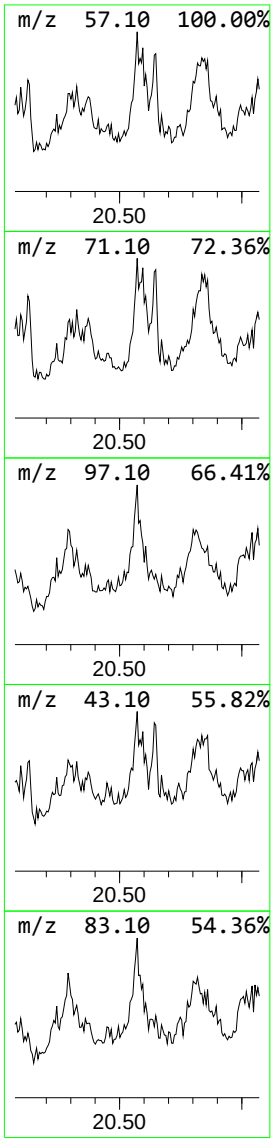
****

Peak Number 8 Tetratriacontyl heptafluoro... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.572	2.06 ng	371273	Chrysene-d12	21.489

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetratriacontyl heptafluorobutyrate	691	C38H69F7O2	1000351-84-1	81
2	Triacontyl heptafluorobutyrate	634	C34H61F7O2	1000351-83-2	81
3	Tetrapentacontane, 1,54-dibromo-	915	C54H108Br2	1000156-09-4	76
4	Dotriacontyl pentafluoropropionate	612	C35H65F5O2	1010351-81-4	76
5	Tetratriacontyl trifluoroacetate	591	C36H69F3O2	1000351-75-3	74





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024897.D
Acq On : 10 Jun 2025 17:08
Operator : RC/JU
Sample : Q2176-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-27

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

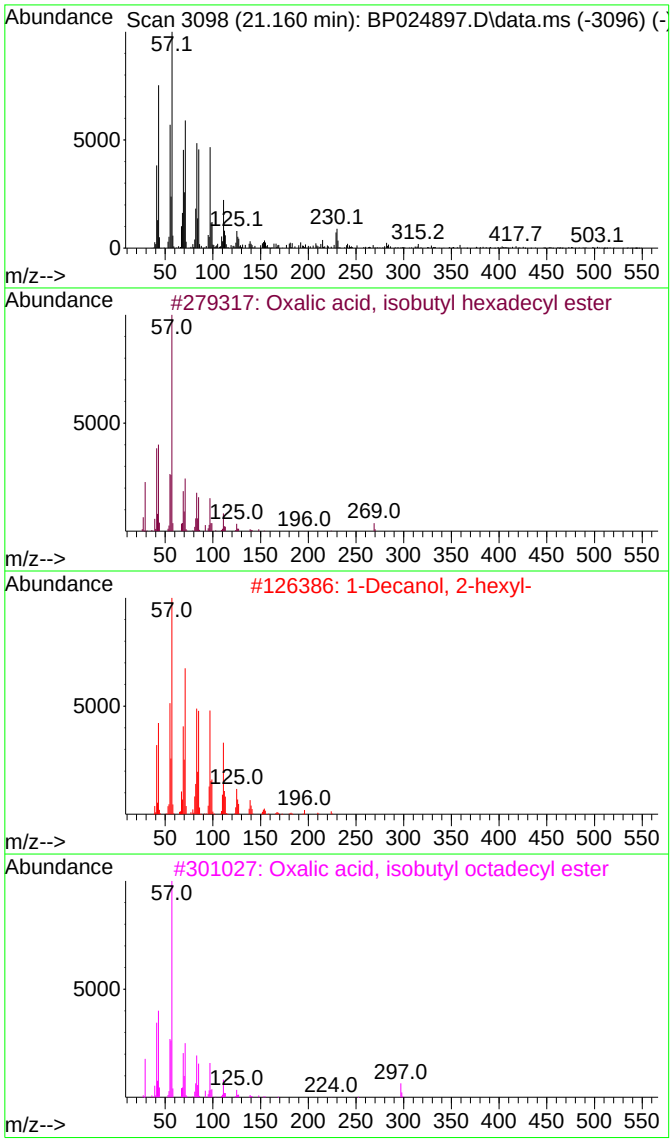
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

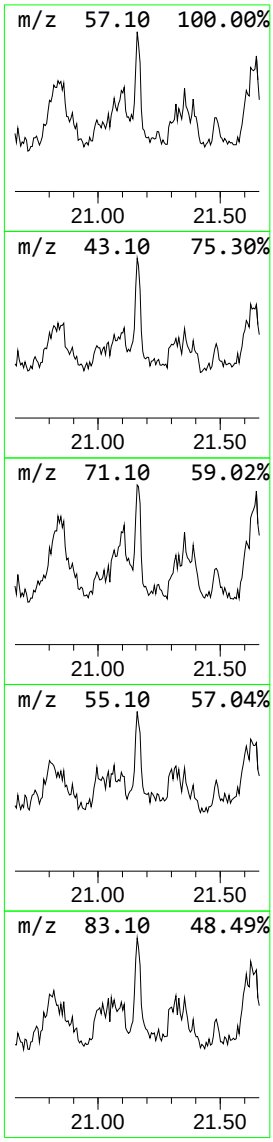
****

Peak Number 9 Oxalic acid, isobutyl hexad... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.160	2.98 ng	538882	Chrysene-d12	21.489

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxalic acid, isobutyl hexadecyl ...	370	C22H42O4	1000309-38-1	91
2	1-Decanol, 2-hexyl-	242	C16H34O	002425-77-6	91
3	Oxalic acid, isobutyl octadecyl ...	398	C24H46O4	1000309-38-3	91
4	Nonadecane	268	C19H40	000629-92-5	89
5	Tetracosyl heptafluorobutyrate	550	C28H49F7O2	1000351-83-7	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024897.D
Acq On : 10 Jun 2025 17:08
Operator : RC/JU
Sample : Q2176-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-27

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

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-...	4.772	7.5	ng	494833	1	7.608	1316950	20.0
Benzophenone	15.643	13.3	ng	1725830	3	14.254	2586560	20.0
n-Hexadecanoic ...	18.007	6.9	ng	990431	4	17.060	2882140	20.0
Octadecanoic acid	19.331	4.0	ng	726916	5	21.489	3611050	20.0
unknown20.201	20.201	2.5	ng	447682	5	21.489	3611050	20.0
Tetratriacontyl...	20.572	2.1	ng	371273	5	21.489	3611050	20.0
Oxalic acid, is...	21.160	3.0	ng	538882	5	21.489	3611050	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142650.D
Acq On : 06 Jun 2025 17:01
Operator : RC/JU
Sample : Q2176-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-31

Quant Time: Jun 06 19:00:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

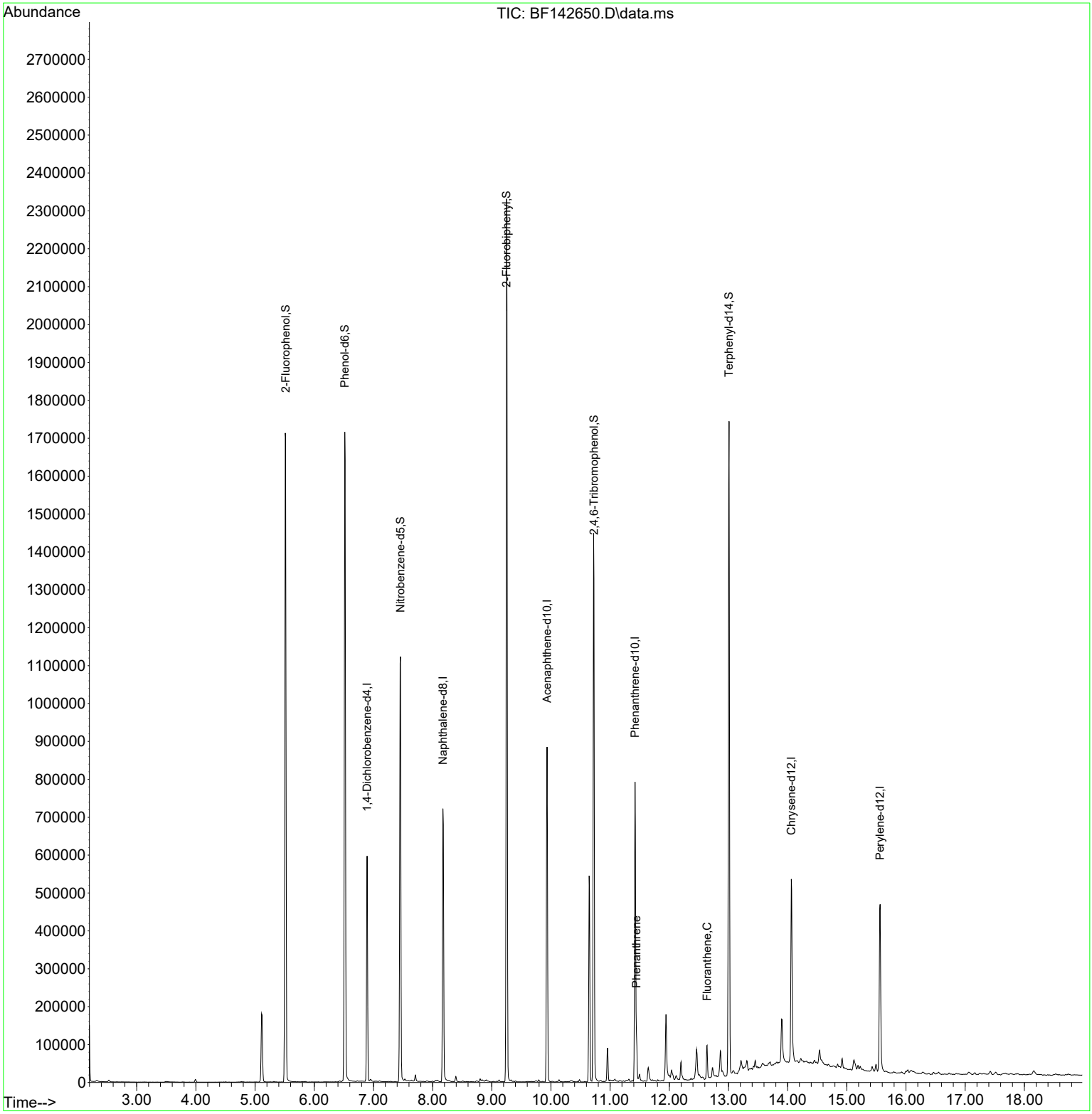
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	128783	20.000	ng	-0.01
21) Naphthalene-d8	8.175	136	488985	20.000	ng	-0.01
39) Acenaphthene-d10	9.933	164	263890	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	414083	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	237224	20.000	ng	#-0.01
86) Perylene-d12	15.563	264	279177	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	695562	90.994	ng	0.00
7) Phenol-d6	6.516	99	857099	93.147	ng	-0.02
23) Nitrobenzene-d5	7.457	82	509358	56.801	ng	-0.02
42) 2,4,6-Tribromophenol	10.728	330	268450	91.657	ng	-0.01
45) 2-Fluorobiphenyl	9.251	172	1053450	53.567	ng	-0.02
79) Terphenyl-d14	13.010	244	853397	49.160	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.445	178	57425	2.595	ng	100
75) Fluoranthene	12.639	202	52531	2.540	ng	96

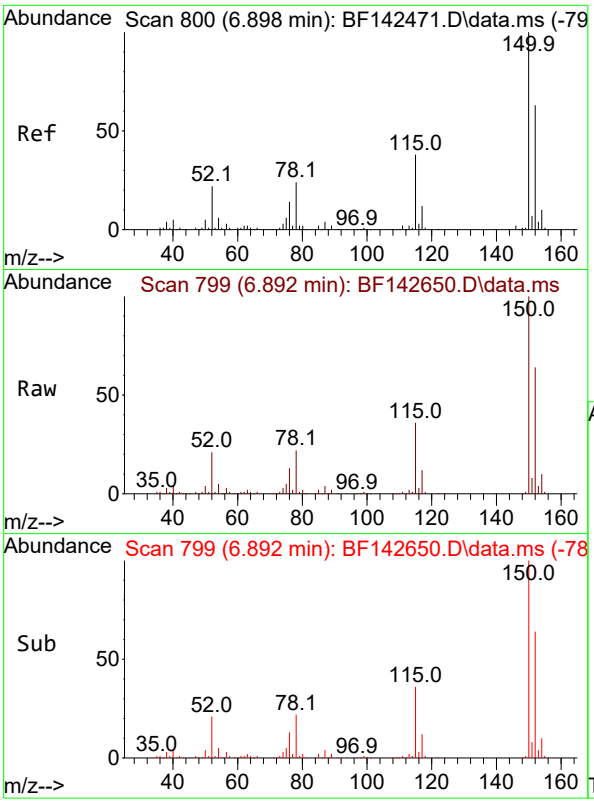
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142650.D
Acq On : 06 Jun 2025 17:01
Operator : RC/JU
Sample : Q2176-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-31

Quant Time: Jun 06 19:00:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration



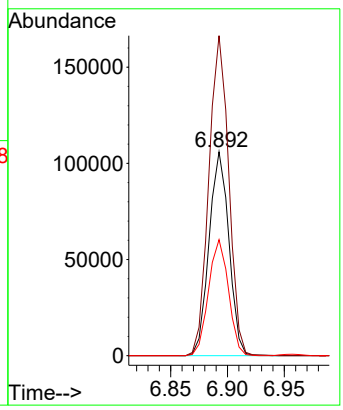


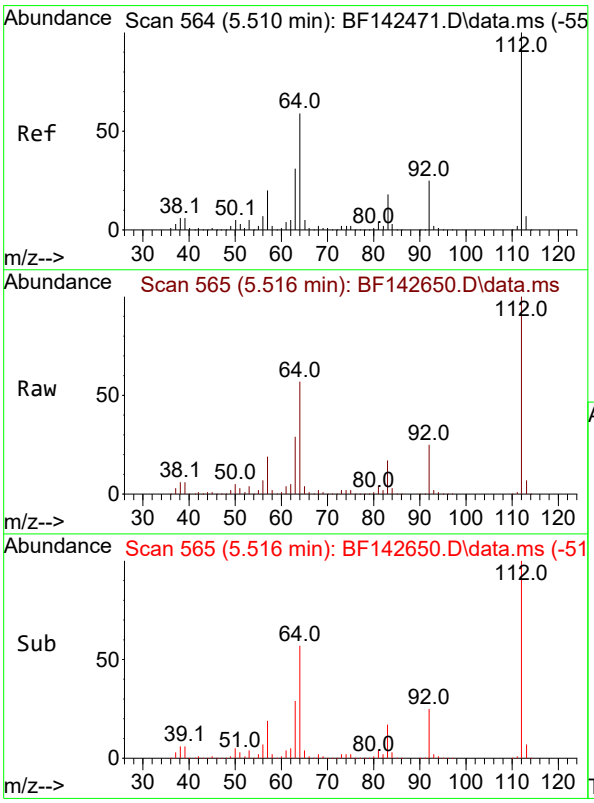
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF142650.D
Acq: 06 Jun 2025 17:01

Instrument :
BNA_F
ClientSampleId :
TP-31

Tgt Ion:152 Resp: 128783

Ion	Ratio	Lower	Upper
152	100		
150	156.9	128.2	192.4
115	56.9	48.3	72.5

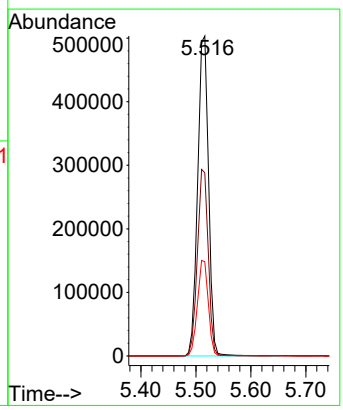


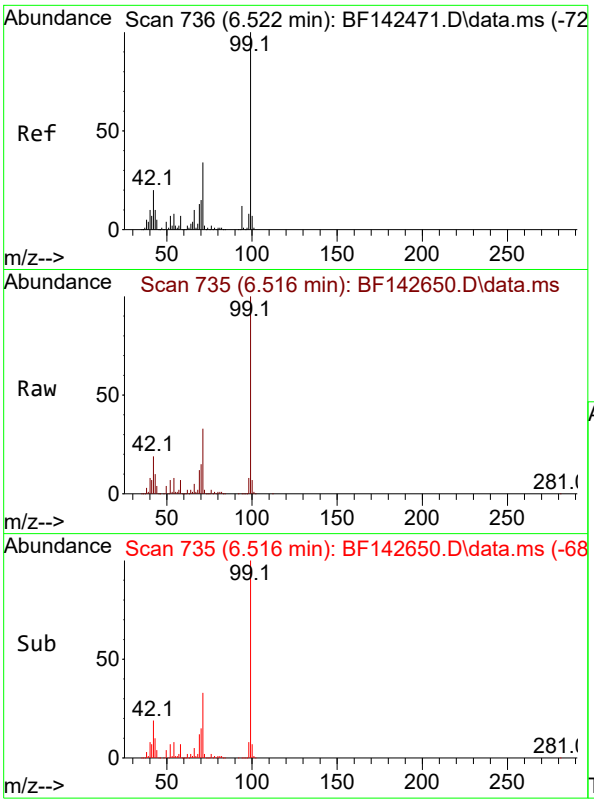


#5
2-Fluorophenol
Concen: 90.994 ng
RT: 5.516 min Scan# 565
Delta R.T. 0.000 min
Lab File: BF142650.D
Acq: 06 Jun 2025 17:01

Tgt Ion:112 Resp: 695562

Ion	Ratio	Lower	Upper
112	100		
64	57.3	47.5	71.3
63	29.4	24.9	37.3



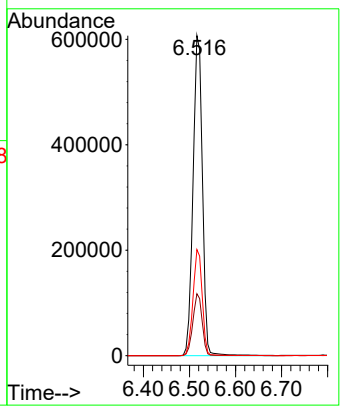


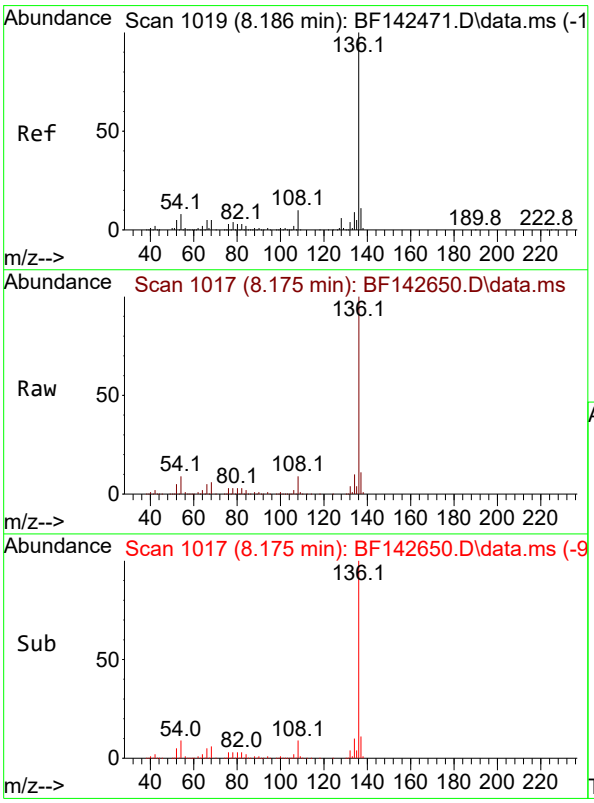
#7
Phenol-d6
Concen: 93.147 ng
RT: 6.516 min Scan# 7
Delta R.T. -0.017 min
Lab File: BF142650.D
Acq: 06 Jun 2025 17:01

Instrument :
BNA_F
ClientSampleId :
TP-31

Tgt Ion: 99 Resp: 857099

Ion	Ratio	Lower	Upper
99	100		
42	19.4	16.2	24.2
71	33.2	27.3	40.9

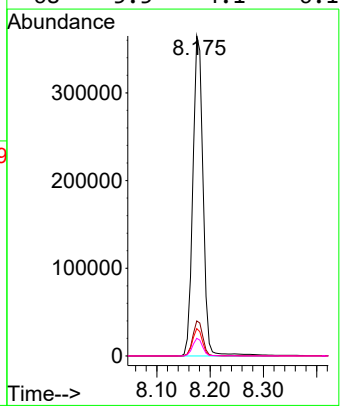


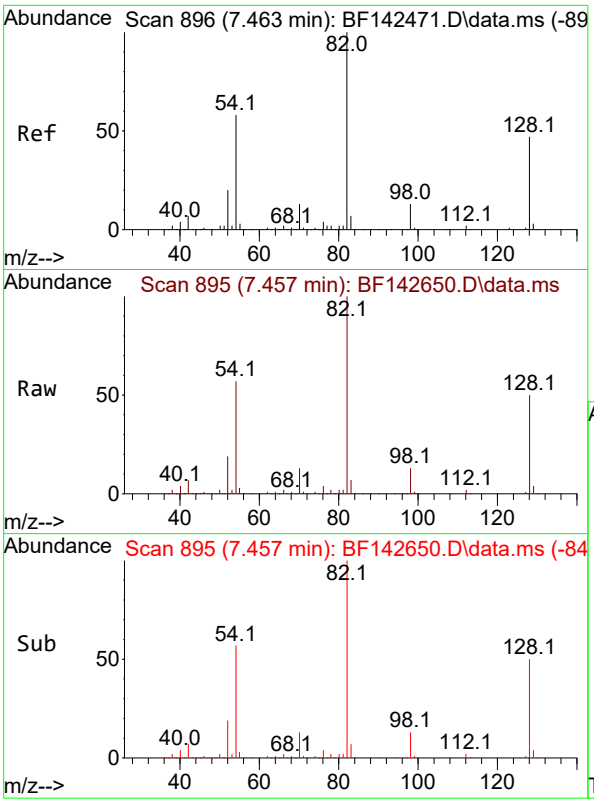


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF142650.D
Acq: 06 Jun 2025 17:01

Tgt Ion:136 Resp: 488985

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	8.6	6.6	10.0
68	5.5	4.1	6.1



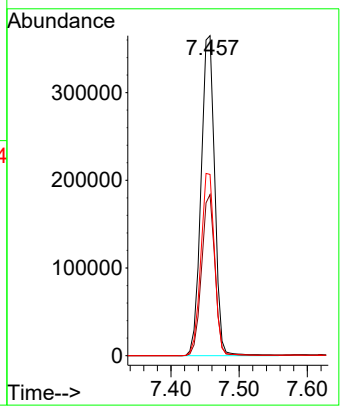


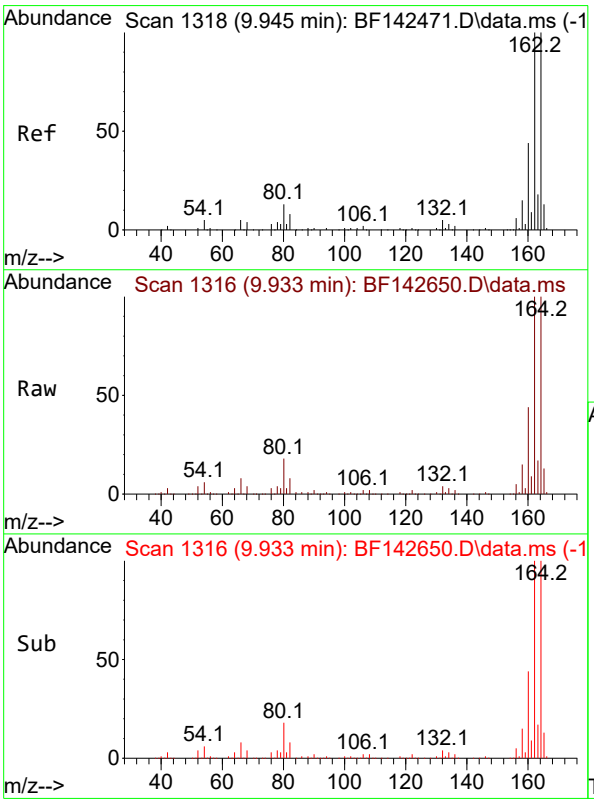
#23
Nitrobenzene-d5
Concen: 56.801 ng
RT: 7.457 min Scan# 8
Delta R.T. -0.017 min
Lab File: BF142650.D
Acq: 06 Jun 2025 17:01

Instrument :
BNA_F
ClientSampleId :
TP-31

Tgt Ion: 82 Resp: 509358

Ion	Ratio	Lower	Upper
82	100		
128	50.3	37.4	56.2
54	56.6	46.6	70.0

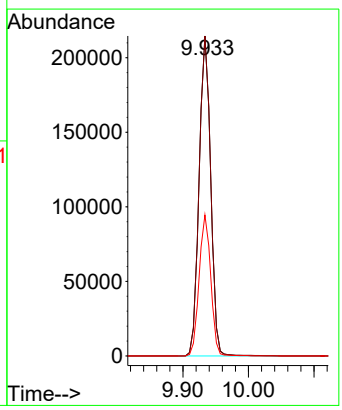


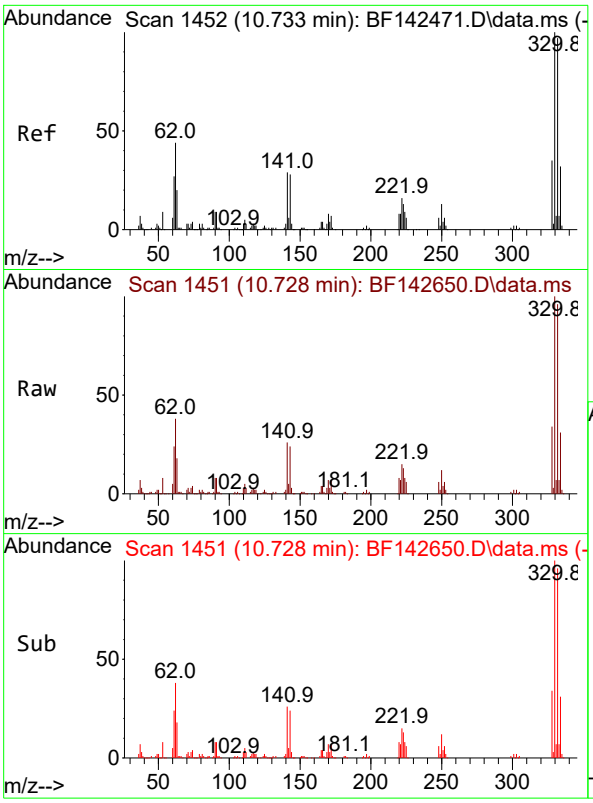


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142650.D
Acq: 06 Jun 2025 17:01

Tgt Ion:164 Resp: 263890

Ion	Ratio	Lower	Upper
164	100		
162	99.9	80.2	120.4
160	44.1	35.6	53.4



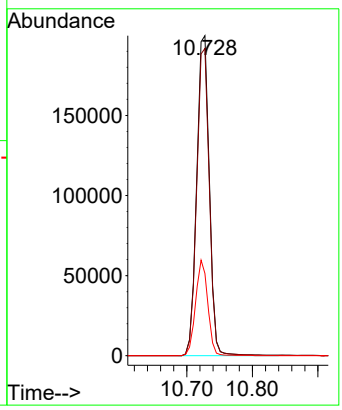


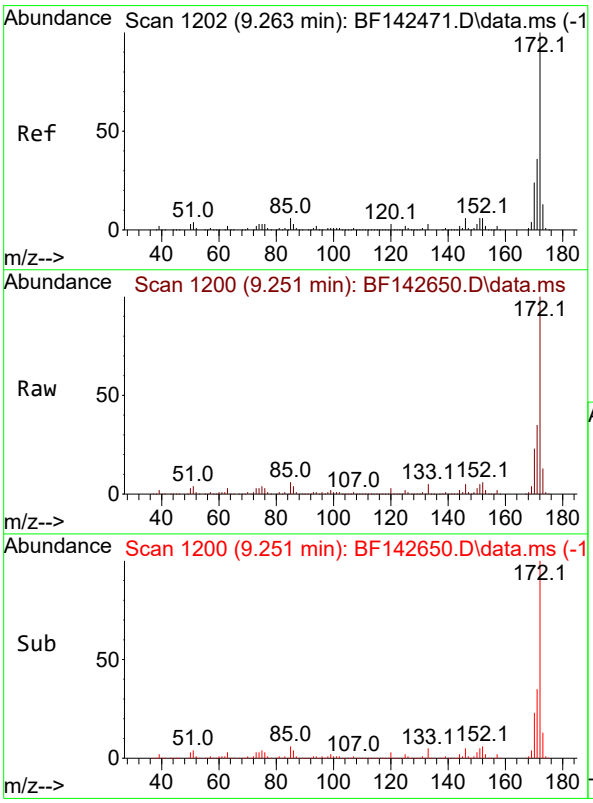
#42
2,4,6-Tribromophenol
Concen: 91.657 ng
RT: 10.728 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF142650.D
Acq: 06 Jun 2025 17:01

Instrument :
BNA_F
ClientSampleId :
TP-31

Tgt Ion:330 Resp: 268450

Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.6	116.4
141	28.8	24.6	36.8

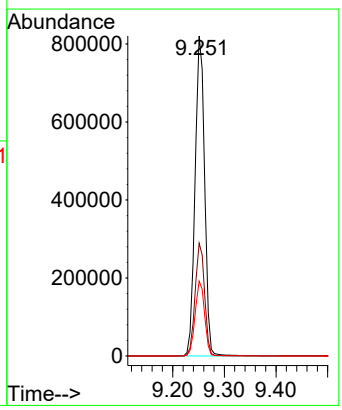


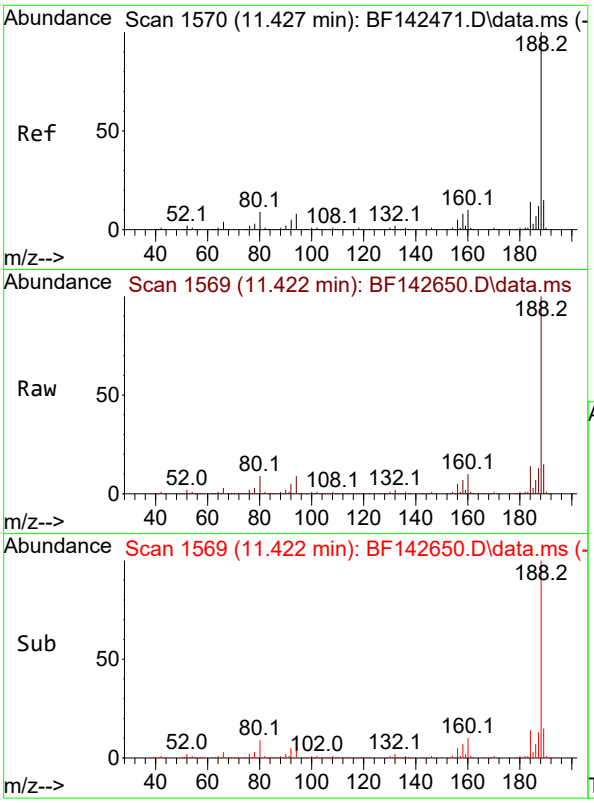


#45
2-Fluorobiphenyl
Concen: 53.567 ng
RT: 9.251 min Scan# 1200
Delta R.T. -0.017 min
Lab File: BF142650.D
Acq: 06 Jun 2025 17:01

Tgt Ion:172 Resp: 1053450

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.6	42.8
170	23.4	18.9	28.3



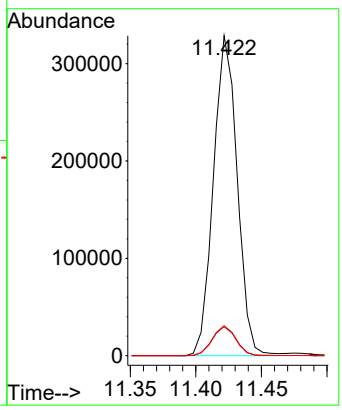


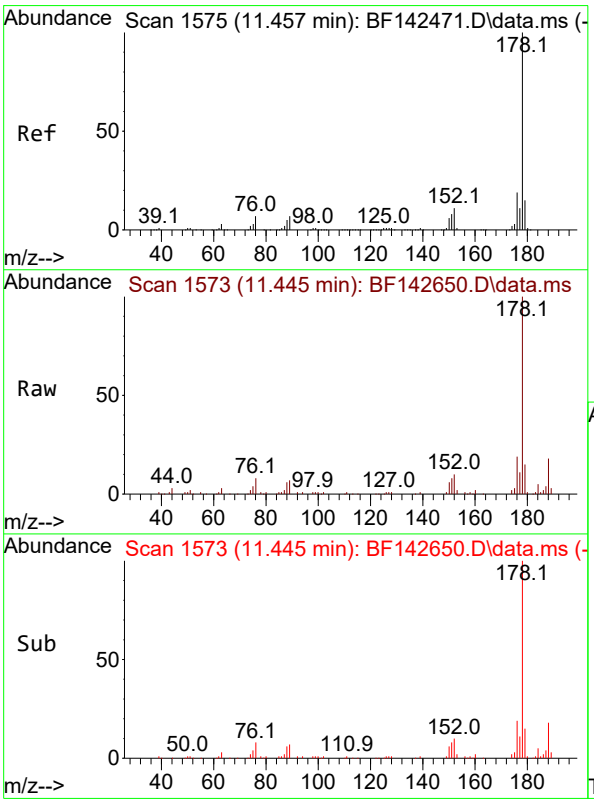
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142650.D
Acq: 06 Jun 2025 17:01

Instrument :
BNA_F
ClientSampleId :
TP-31

Tgt Ion:188 Resp: 414083

Ion	Ratio	Lower	Upper
188	100		
94	9.1	6.6	10.0
80	9.4	7.4	11.0

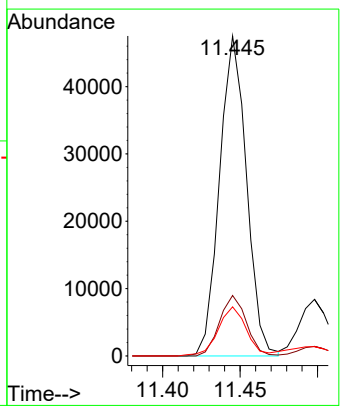


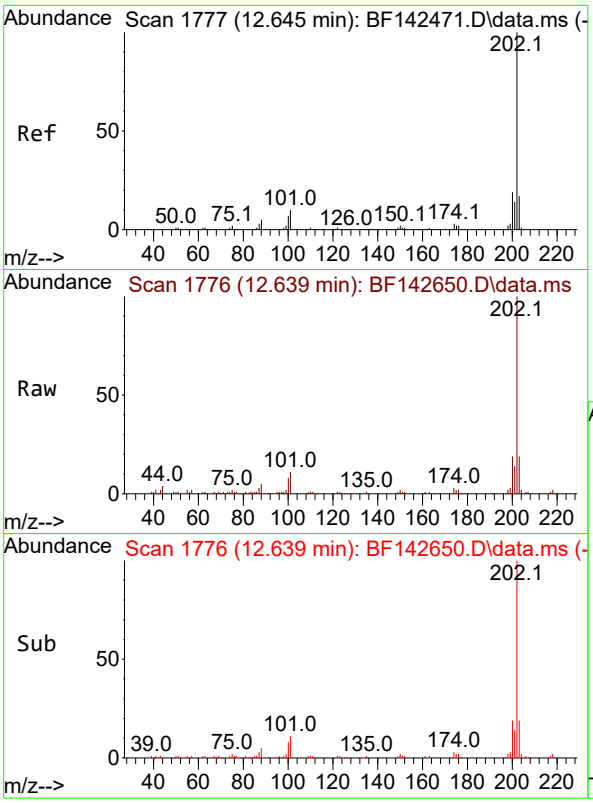


#71
Phenanthrene
Concen: 2.595 ng
RT: 11.445 min Scan# 1573
Delta R.T. -0.012 min
Lab File: BF142650.D
Acq: 06 Jun 2025 17:01

Tgt Ion:178 Resp: 57425

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.0
179	15.3	12.3	18.5



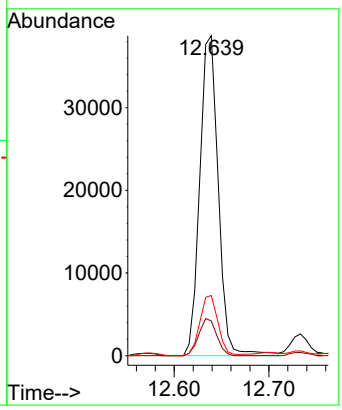


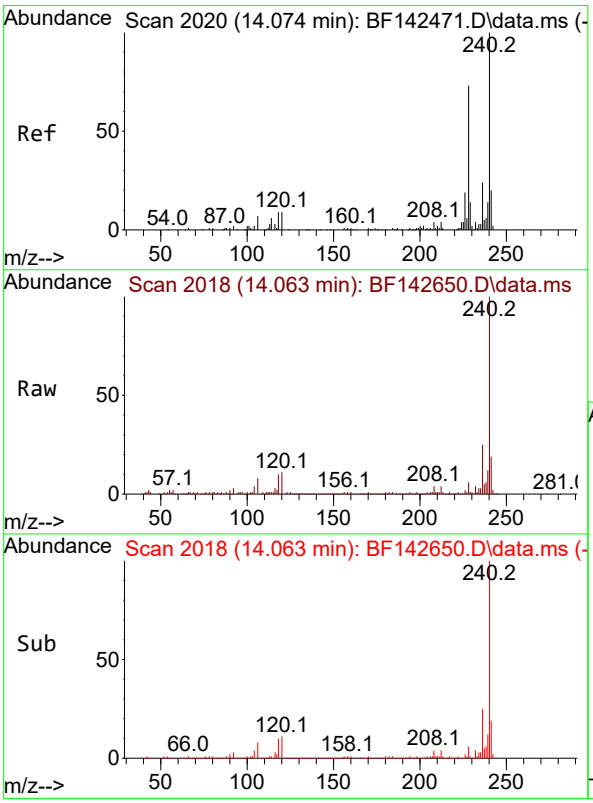
#75
Fluoranthene
Concen: 2.540 ng
RT: 12.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142650.D
Acq: 06 Jun 2025 17:01

Instrument :
BNA_F
ClientSampleId :
TP-31

Tgt Ion:202 Resp: 52531

Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	29.6
203	18.8	0.0	37.2

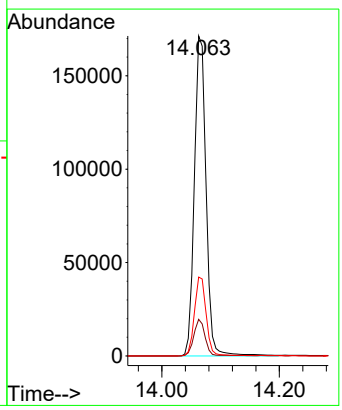


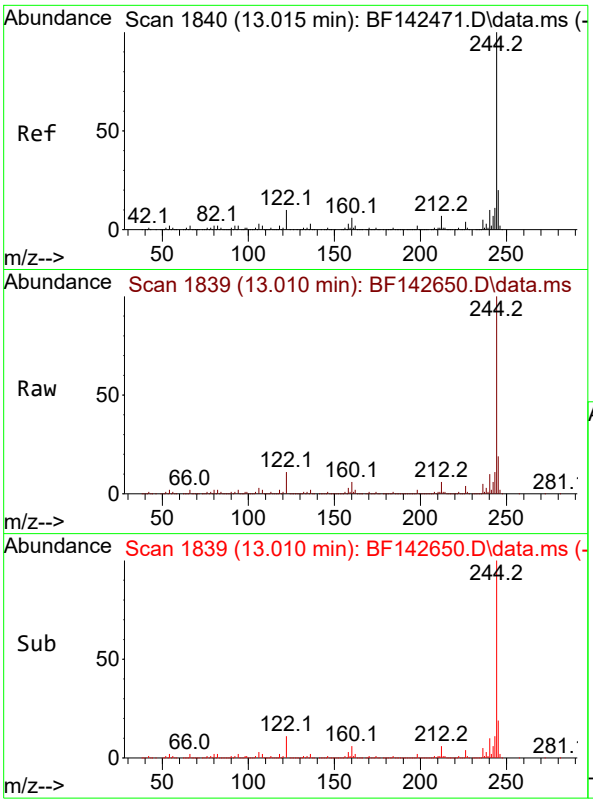


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF142650.D
Acq: 06 Jun 2025 17:01

Tgt Ion:240 Resp: 237224

Ion	Ratio	Lower	Upper
240	100		
120	11.5	7.5	11.3#
236	24.6	19.6	29.4



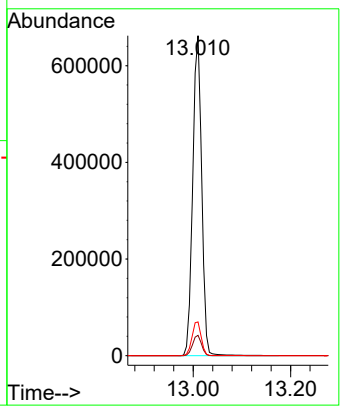


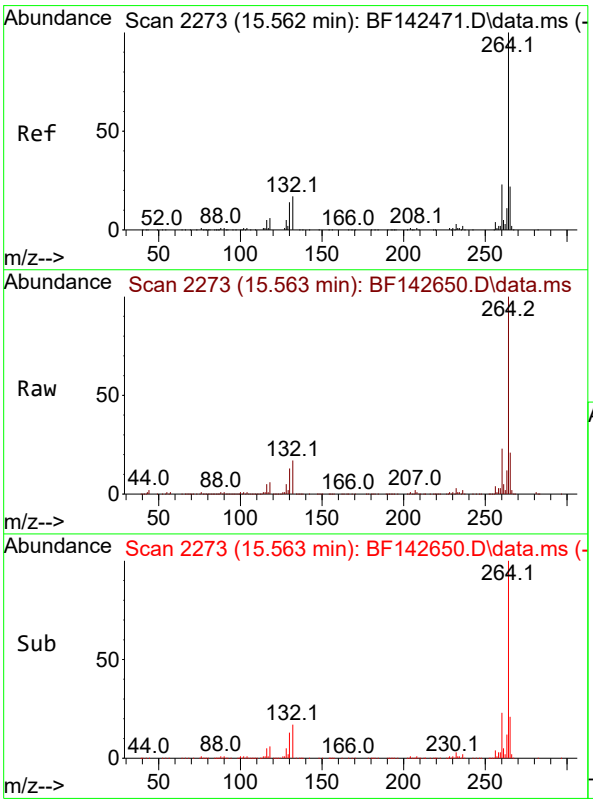
#79
Terphenyl-d14
Concen: 49.160 ng
RT: 13.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142650.D
Acq: 06 Jun 2025 17:01

Instrument :
BNA_F
ClientSampleId :
TP-31

Tgt Ion:244 Resp: 853397

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.3	7.9
122	10.5	8.2	12.2

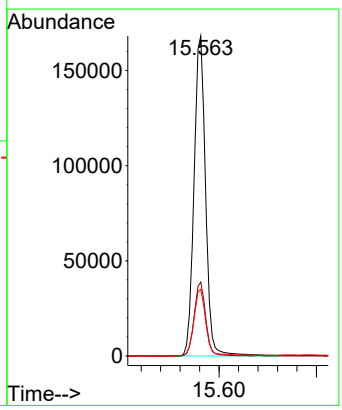




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.563 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF142650.D
Acq: 06 Jun 2025 17:01

Tgt Ion:264 Resp: 279177

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.6	28.0
265	20.9	17.7	26.5



Sample Results: **BF142650.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142650.D
Acq On : 06 Jun 2025 17:01
Operator : RC/JU
Sample : Q2176-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-31

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

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

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

Signal : TIC: BF142650.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.110	487	496	511	rBV	180573	280061	9.51%	1.315%
2	5.510	558	564	570	rBV	1712436	2358708	80.13%	11.076%
3	6.516	729	735	760	rVB	1713445	2424824	82.38%	11.386%
4	6.892	794	799	804	rBV	594500	724569	24.62%	3.402%
5	7.457	888	895	900	rBV	1122470	1554116	52.80%	7.297%
6	8.175	1012	1017	1032	rBV	720815	958779	32.57%	4.502%
7	9.251	1194	1200	1205	rBV	2330068	2943523	100.00%	13.822%
8	9.933	1311	1316	1321	rBV	883126	1082241	36.77%	5.082%
9	10.645	1432	1437	1443	rBV	543722	685334	23.28%	3.218%
10	10.722	1445	1450	1465	rVB	1446521	1908720	64.84%	8.963%
11	10.957	1481	1490	1494	rBV	88685	110778	3.76%	0.520%
12	11.422	1564	1569	1578	rBV2	790287	1130929	38.42%	5.310%
13	11.645	1602	1607	1615	rBV3	35983	65244	2.22%	0.306%
14	11.945	1650	1658	1665	rBV2	175566	291561	9.91%	1.369%
15	12.039	1670	1674	1682	rVB3	24704	51819	1.76%	0.243%
16	12.198	1696	1701	1708	rBV3	46486	68084	2.31%	0.320%
17	12.463	1738	1746	1752	rBV3	78169	150361	5.11%	0.706%
18	12.639	1771	1776	1784	rBV	88667	126501	4.30%	0.594%
19	12.727	1787	1791	1799	rVV	24716	41980	1.43%	0.197%
20	12.863	1808	1814	1818	rBV2	67367	111025	3.77%	0.521%
21	13.010	1833	1839	1847	rBV	1725667	2241732	76.16%	10.526%
22	13.210	1863	1873	1880	rBV5	34864	101915	3.46%	0.479%
23	13.310	1888	1890	1895	rVB2	25283	31998	1.09%	0.150%
24	13.898	1986	1990	2005	rVB2	113755	201696	6.85%	0.947%
25	14.063	2013	2018	2029	rVB	481166	721507	24.51%	3.388%
26	14.539	2095	2099	2113	rVB3	37397	89793	3.05%	0.422%
27	14.921	2160	2164	2168	rVB	24925	32810	1.11%	0.154%
28	15.121	2193	2198	2206	rBV	25893	60679	2.06%	0.285%
29	15.563	2266	2273	2286	rVB	441195	745320	25.32%	3.500%

Sum of corrected areas: 21296607

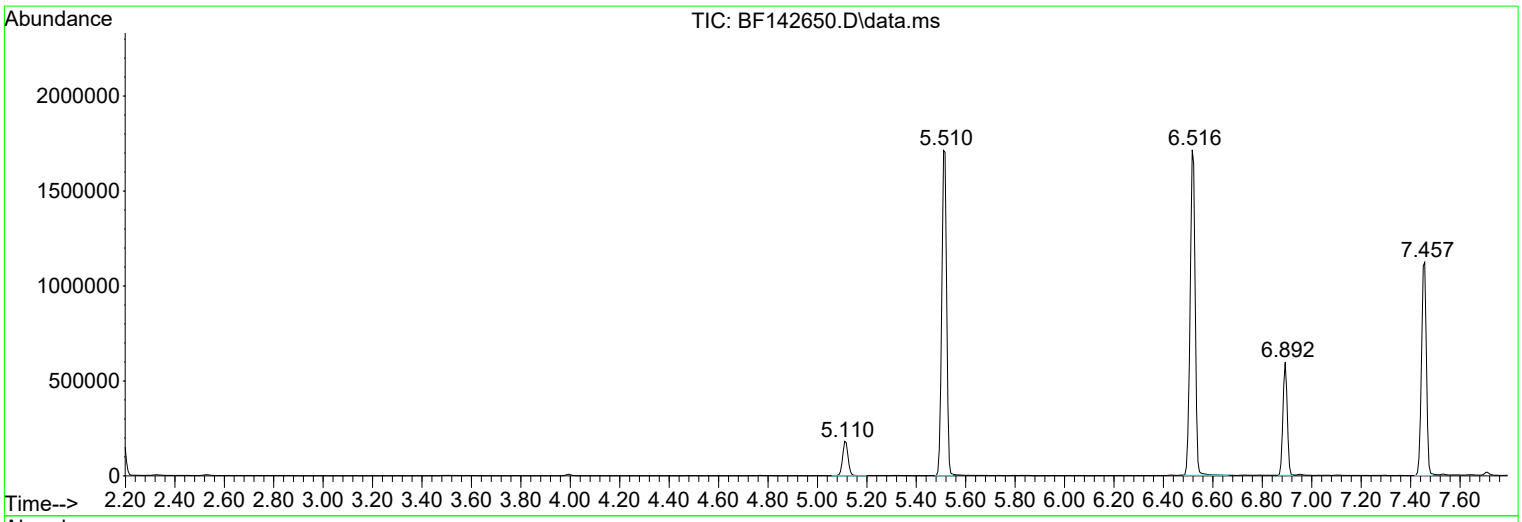
Sample Results: **BF142650.D**

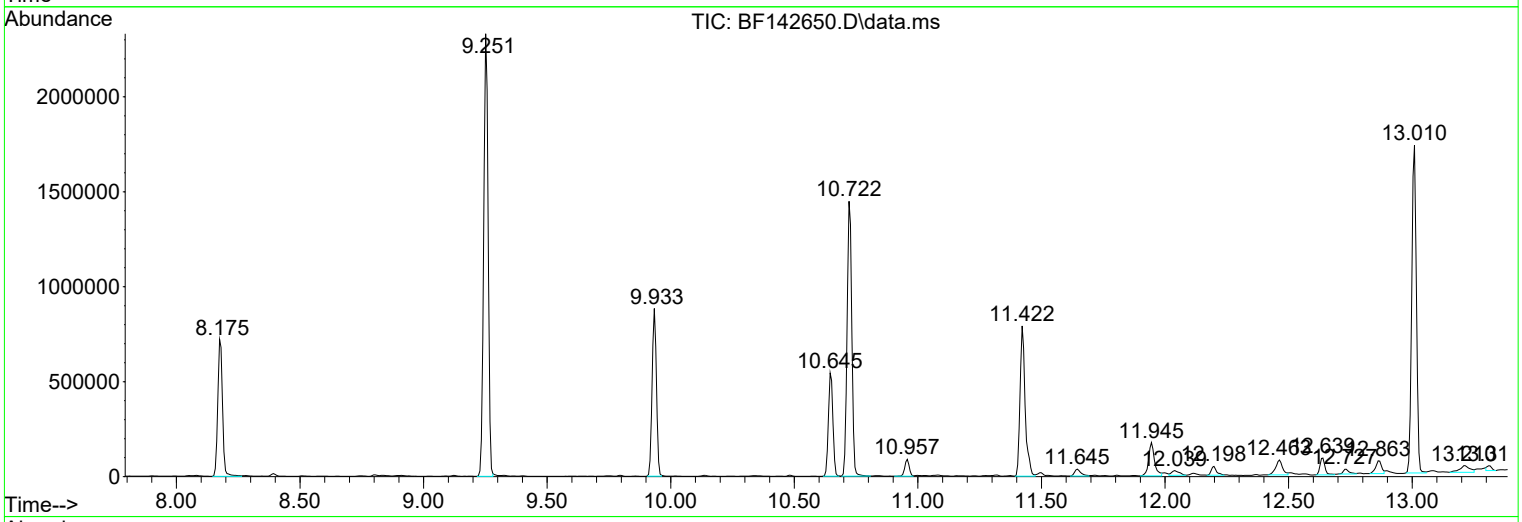
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142650.D
Acq On : 06 Jun 2025 17:01
Operator : RC/JU
Sample : Q2176-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

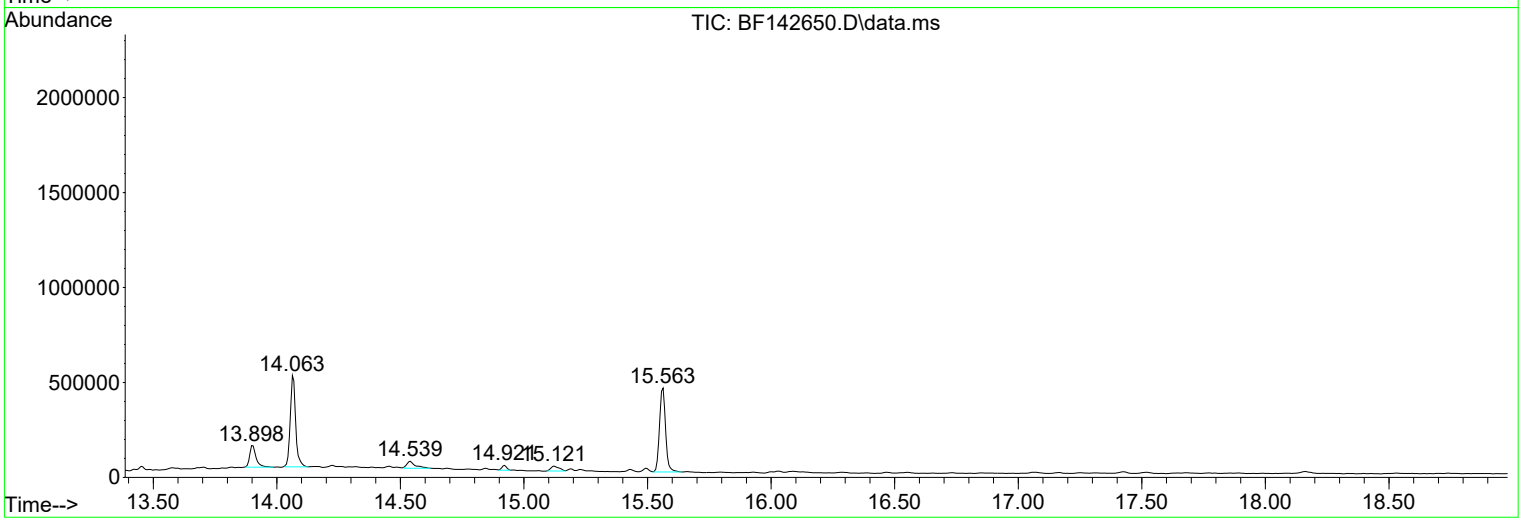
Instrument :
BNA_F
ClientSampleId :
TP-31

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

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







Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142650.D
Acq On : 06 Jun 2025 17:01
Operator : RC/JU
Sample : Q2176-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-31

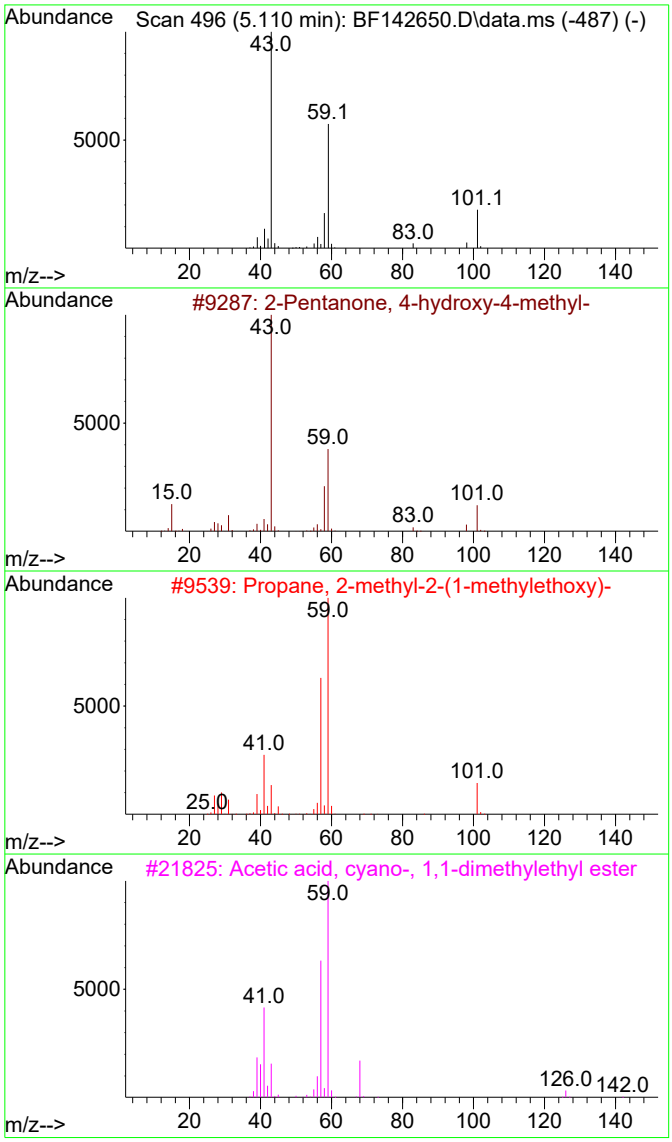
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

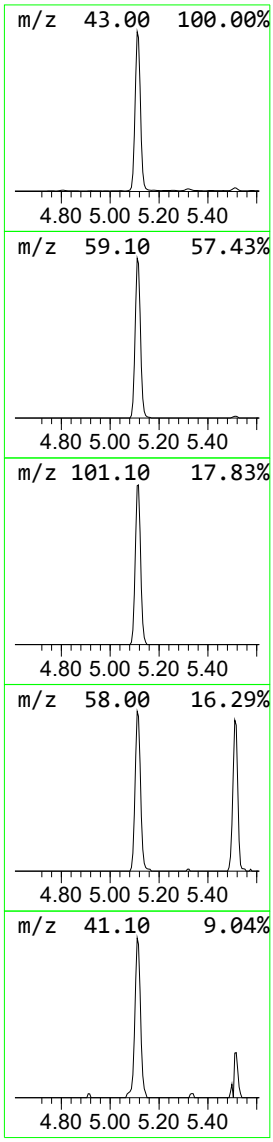
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.110	7.73 ng	280061	1,4-Dichlorobenzene-d4	6.892

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	33
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142650.D
Acq On : 06 Jun 2025 17:01
Operator : RC/JU
Sample : Q2176-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-31

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

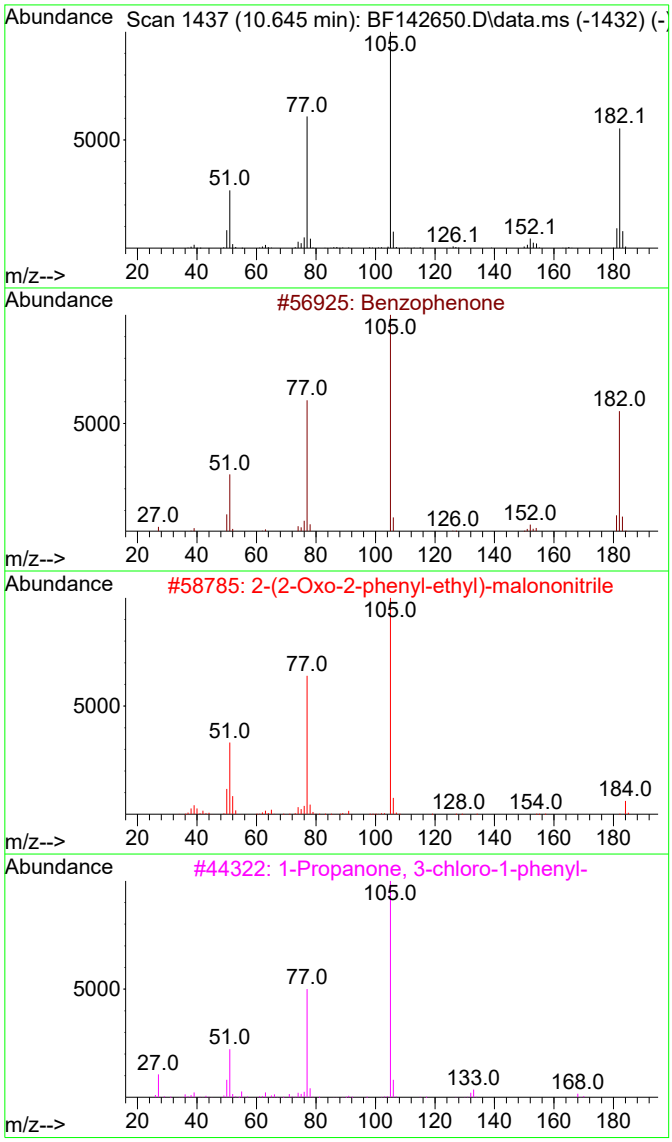
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

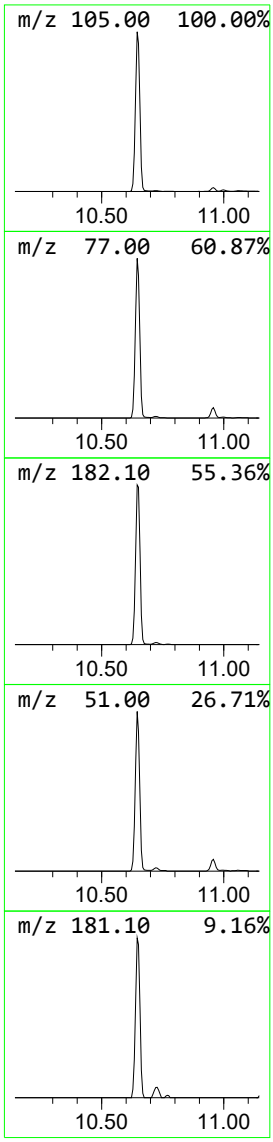
****

Peak Number 2 Benzophenone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.645	12.67 ng	685334	Acenaphthene-d10	9.933

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	2-(2-Oxo-2-phenyl-ethyl)-malonon...	184	C11H8N2O	1000296-76-9	47
3	1-Propanone, 3-chloro-1-phenyl-	168	C9H9ClO	000936-59-4	47
4	N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	47
5	Vinyl benzoate	148	C9H8O2	000769-78-8	47





Sample Results: **BF142650.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142650.D
Acq On : 06 Jun 2025 17:01
Operator : RC/JU
Sample : Q2176-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-31

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

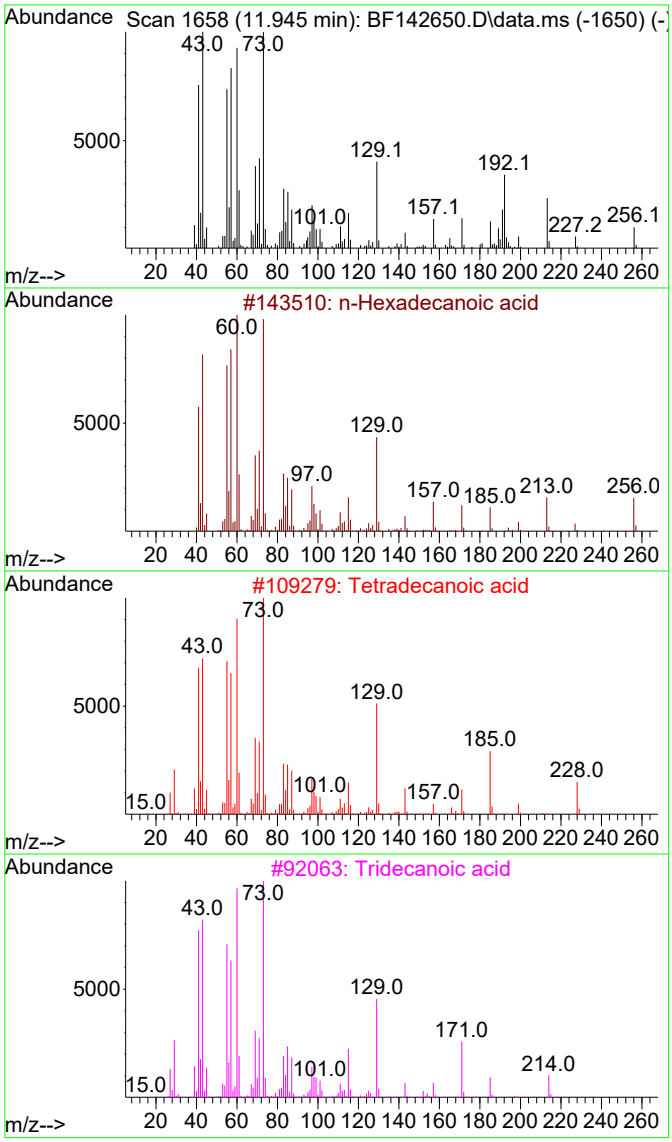
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

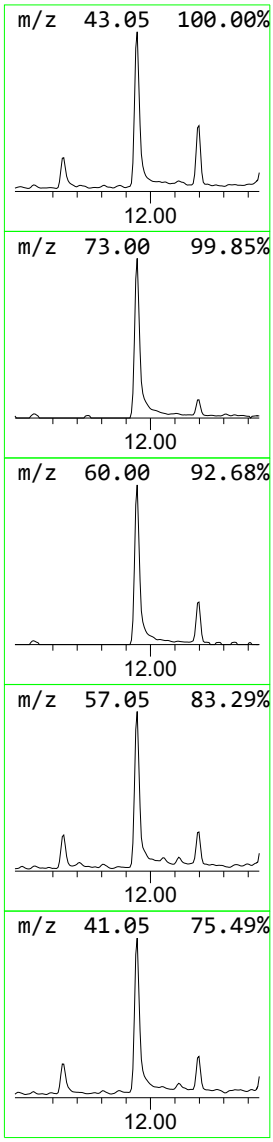
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.945	5.16 ng	291561	Phenanthrene-d10	11.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	94
3	Tridecanoic acid	214	C13H26O2	000638-53-9	91
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
5	8-Methylnonanoic acid	172	C10H20O2	005963-14-4	70





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142650.D
Acq On : 06 Jun 2025 17:01
Operator : RC/JU
Sample : Q2176-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-31

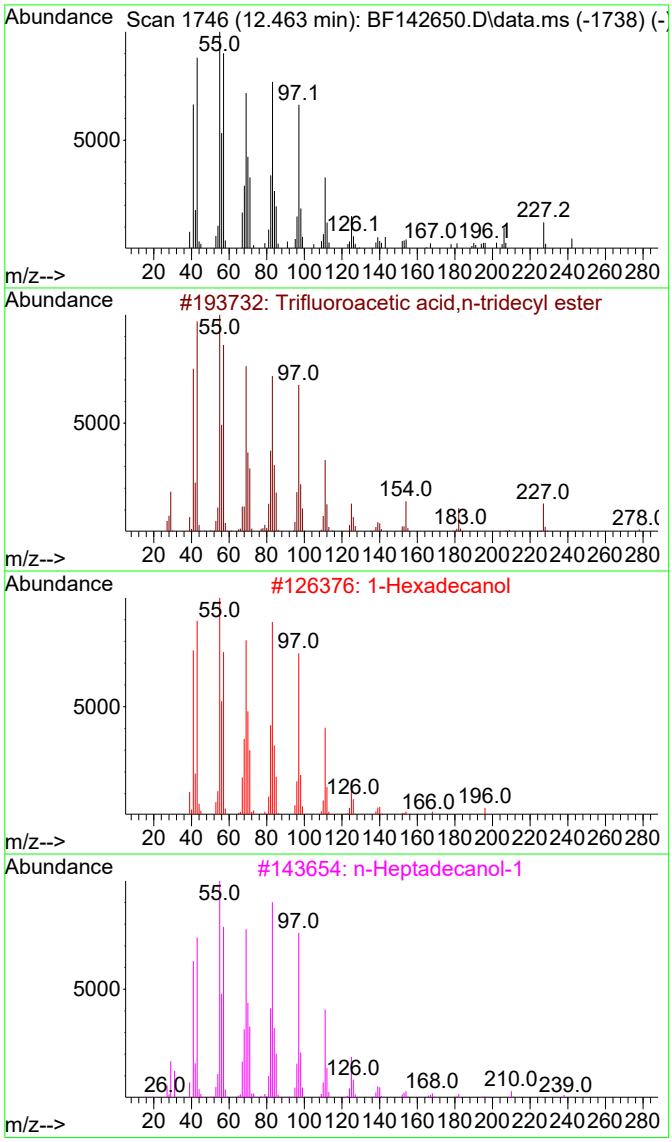
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

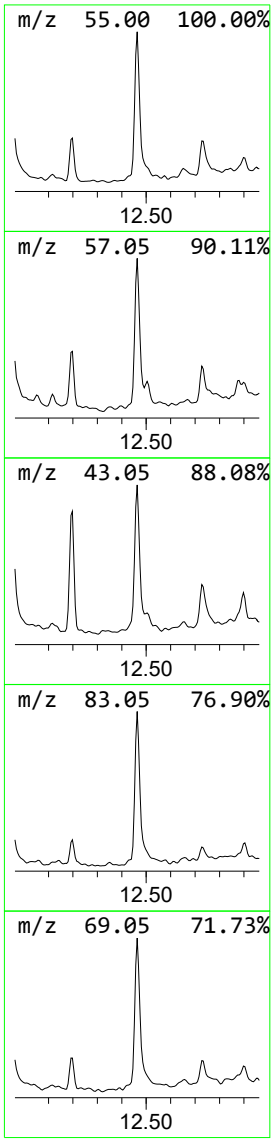
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Trifluoroacetic acid,n-trid... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.463	2.66 ng	150361	Phenanthrene-d10	11.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trifluoroacetic acid,n-tridecyl ...	296	C15H27F3O2	053800-02-5	94
2	1-Hexadecanol	242	C16H34O	036653-82-4	93
3	n-Heptadecanol-1	256	C17H36O	001454-85-9	93
4	1-Octadecanol	270	C18H38O	000112-92-5	93
5	1-Heneicosanol	312	C21H44O	015594-90-8	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142650.D
Acq On : 06 Jun 2025 17:01
Operator : RC/JU
Sample : Q2176-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-31

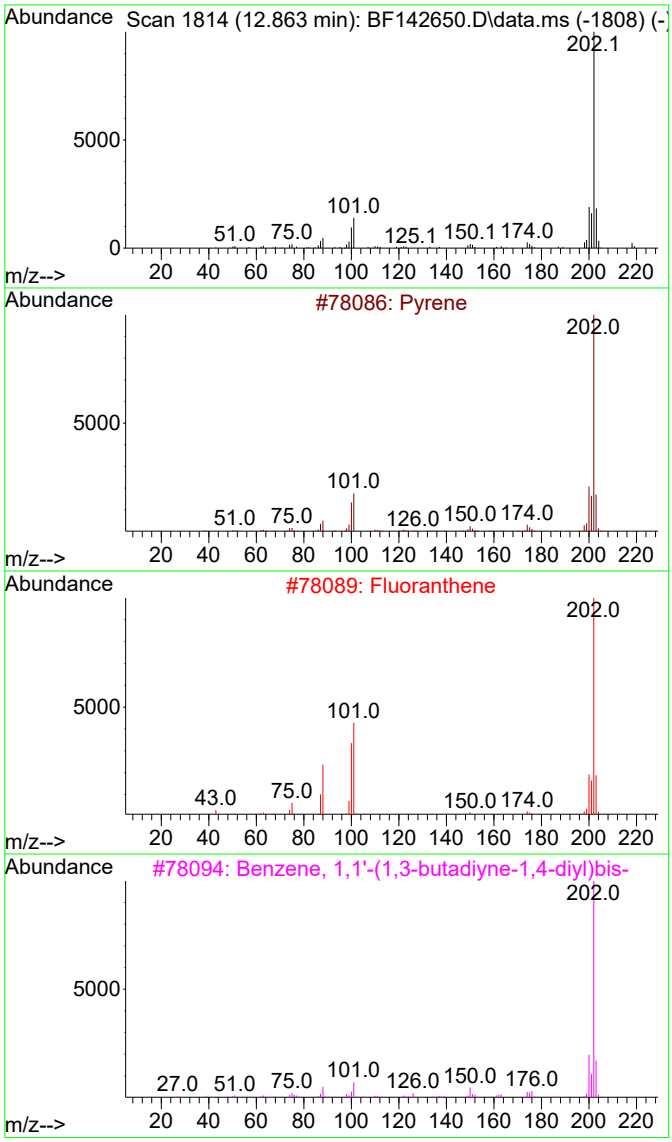
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

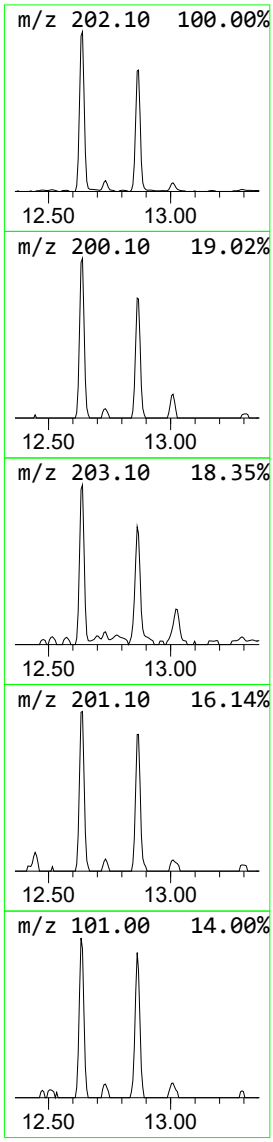
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Benzene, 1,1'-(1,3-butadiyn... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.863	3.08 ng	111025	Chrysene-d12	14.063

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene	202	C16H10	000129-00-0	96
2	Fluoranthene	202	C16H10	000206-44-0	93
3	Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	64
4	Pyrimidine, 2-phenyl-4-hydroxy-5...	202	C11H10N2O2	085386-21-6	9
5	5-Ethyl-4,7-dihydro-2-methyl-7-o...	202	C10H10N4O	903195-75-5	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142650.D
Acq On : 06 Jun 2025 17:01
Operator : RC/JU
Sample : Q2176-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-31

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

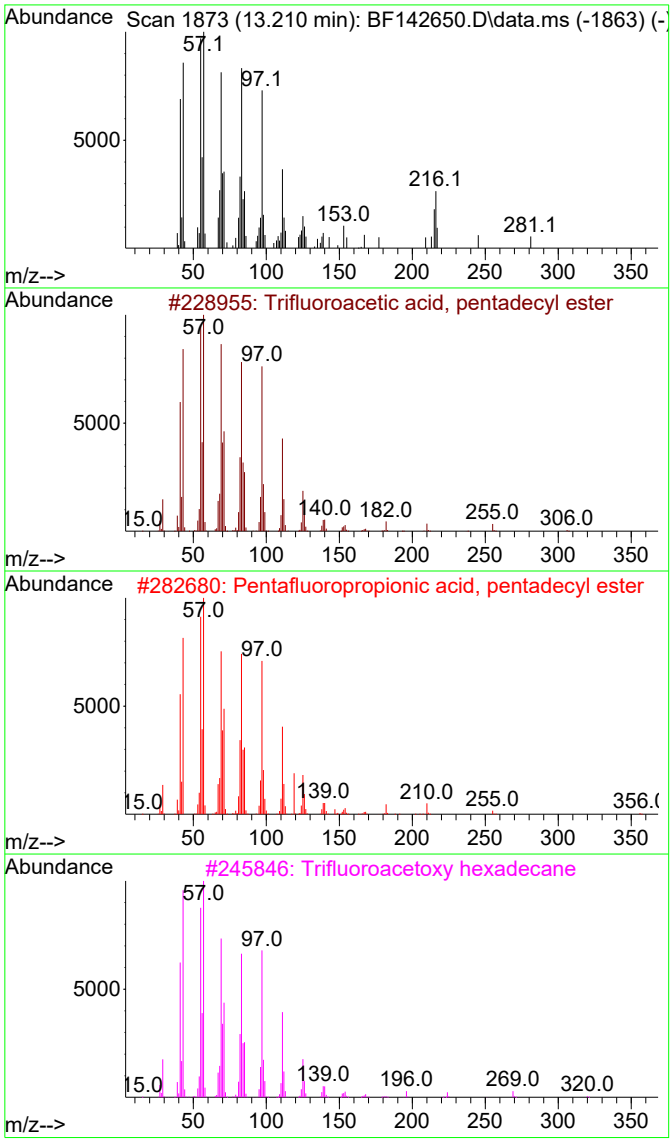
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

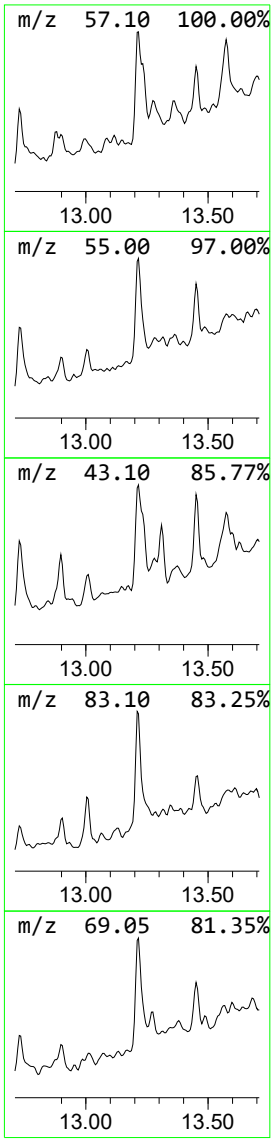
****

Peak Number 6 Trifluoroacetic acid, penta... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.210	2.83 ng	101915	Chrysene-d12	14.063

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trifluoroacetic acid, pentadecyl...	324	C17H31F3O2	959010-23-2	93
2	Pentafluoropropionic acid, penta...	374	C18H31F5O2	959092-08-1	93
3	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	93
4	n-Tetracosanol-1	354	C24H50O	000506-51-4	90
5	Behenic alcohol	326	C22H46O	000661-19-8	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142650.D
Acq On : 06 Jun 2025 17:01
Operator : RC/JU
Sample : Q2176-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-31

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

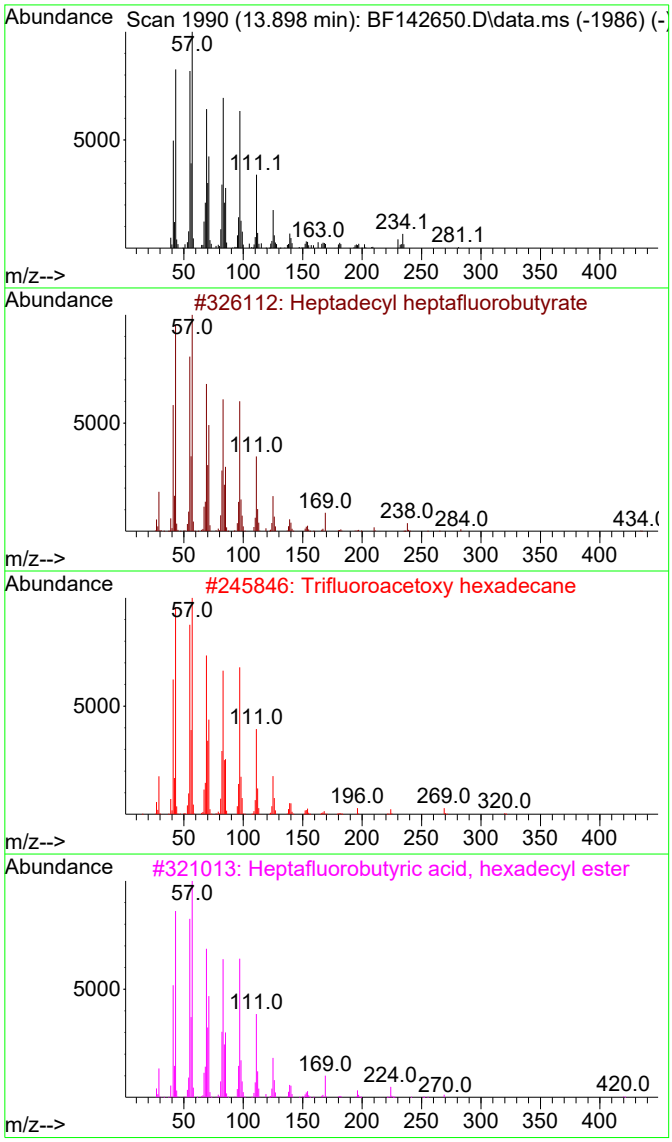
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

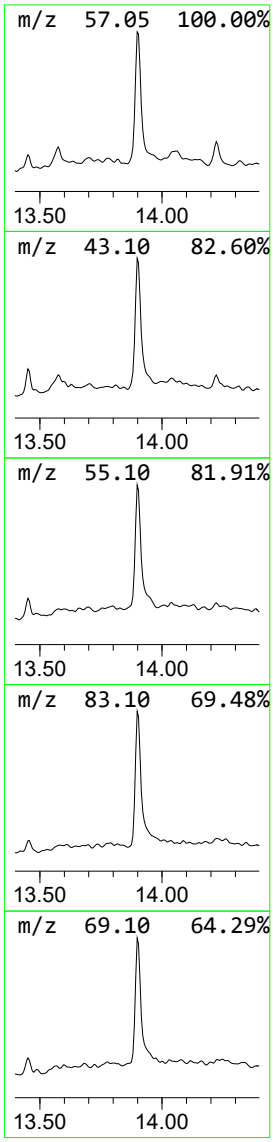
****

Peak Number 7 Heptadecyl heptafluorobutyrate Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.898	5.59 ng	201696	Chrysene-d12	14.063

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	94
2	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	94
3	Heptafluorobutyric acid, hexadec...	438	C20H33F7O2	006385-15-5	94
4	1-Hexacosene	364	C26H52	018835-33-1	93
5	Pentafluoropropionic acid, hepta...	402	C20H35F5O2	959218-78-1	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142650.D
Acq On : 06 Jun 2025 17:01
Operator : RC/JU
Sample : Q2176-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-31

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

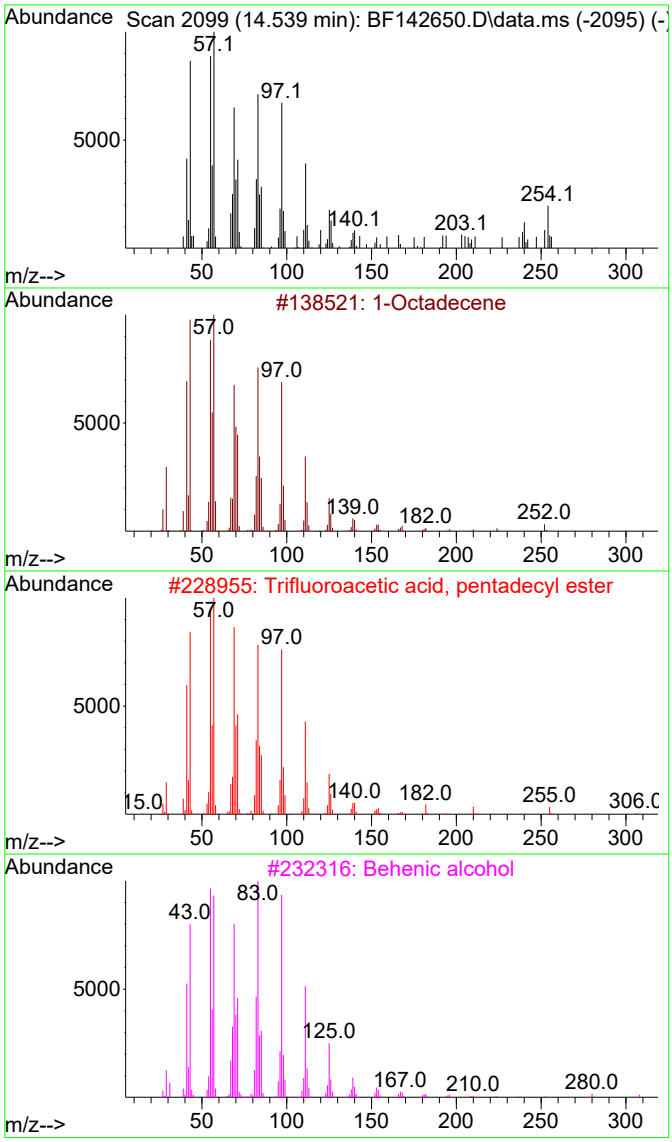
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

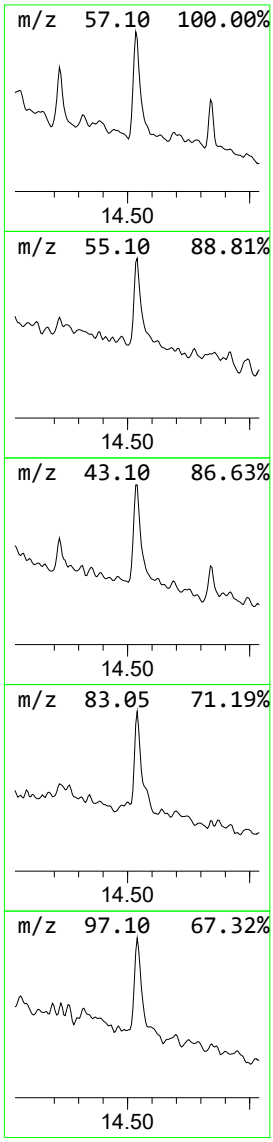
****

Peak Number 8 1-Octadecene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.539	2.49 ng	89793	Chrysene-d12	14.063

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Octadecene	252	C18H36	000112-88-9	98
2	Trifluoroacetic acid, pentadecyl...	324	C17H31F3O2	959010-23-2	93
3	Behenic alcohol	326	C22H46O	000661-19-8	93
4	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	93
5	Heptafluorobutyric acid, hexadec...	438	C20H33F7O2	006385-15-5	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142650.D
Acq On : 06 Jun 2025 17:01
Operator : RC/JU
Sample : Q2176-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-31

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

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-...	5.110	7.7	ng	280061	1	6.892	724569	20.0
Benzophenone	10.645	12.7	ng	685334	3	9.933	1082240	20.0
n-Hexadecanoic ...	11.945	5.2	ng	291561	4	11.422	1130930	20.0
Trifluoroacetic...	12.463	2.7	ng	150361	4	11.422	1130930	20.0
Benzene, 1,1'-(...	12.863	3.1	ng	111025	5	14.063	721507	20.0
Trifluoroacetic...	13.210	2.8	ng	101915	5	14.063	721507	20.0
Heptadecyl hept...	13.898	5.6	ng	201696	5	14.063	721507	20.0
1-Octadecene	14.539	2.5	ng	89793	5	14.063	721507	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024894.D
Acq On : 10 Jun 2025 15:05
Operator : RC/JU
Sample : Q2176-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-65

Quant Time: Jun 10 15:28:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration

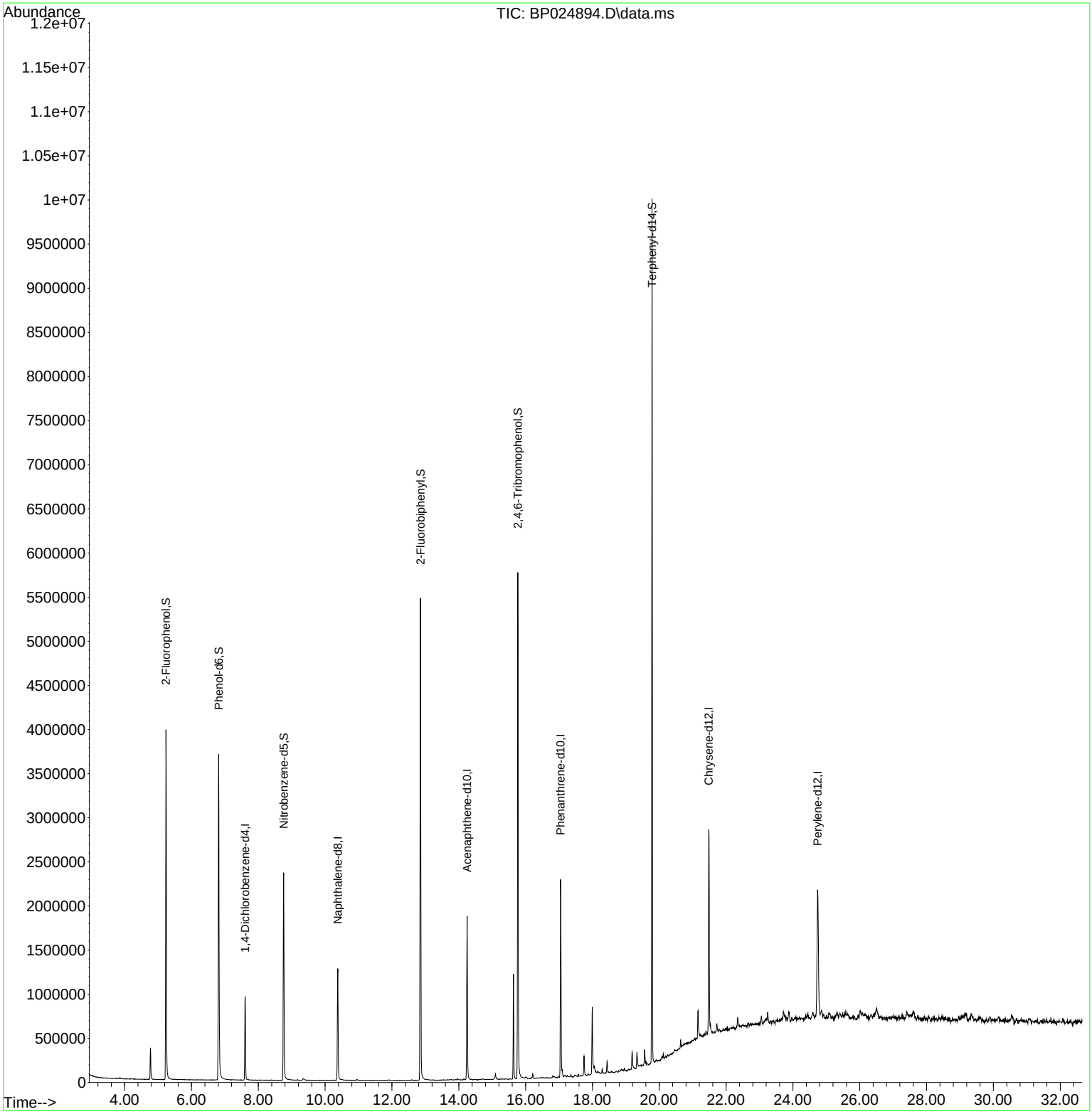
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.608	152	258411	20.000	ng	0.00
21) Naphthalene-d8	10.378	136	1090500	20.000	ng	0.00
39) Acenaphthene-d10	14.248	164	691206	20.000	ng	0.00
64) Phenanthrene-d10	17.048	188	1373079	20.000	ng	-0.01
76) Chrysene-d12	21.483	240	1382027	20.000	ng	0.00
86) Perylene-d12	24.736	264	1592939	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.237	112	1744524	112.687	ng	0.00
7) Phenol-d6	6.814	99	2291033	111.850	ng	0.00
23) Nitrobenzene-d5	8.761	82	1410528	62.854	ng	0.00
42) 2,4,6-Tribromophenol	15.766	330	1137466	119.028	ng	-0.02
45) 2-Fluorobiphenyl	12.854	172	2961471	57.717	ng	0.00
79) Terphenyl-d14	19.783	244	4503227	58.399	ng	-0.01
Target Compounds						Qvalue

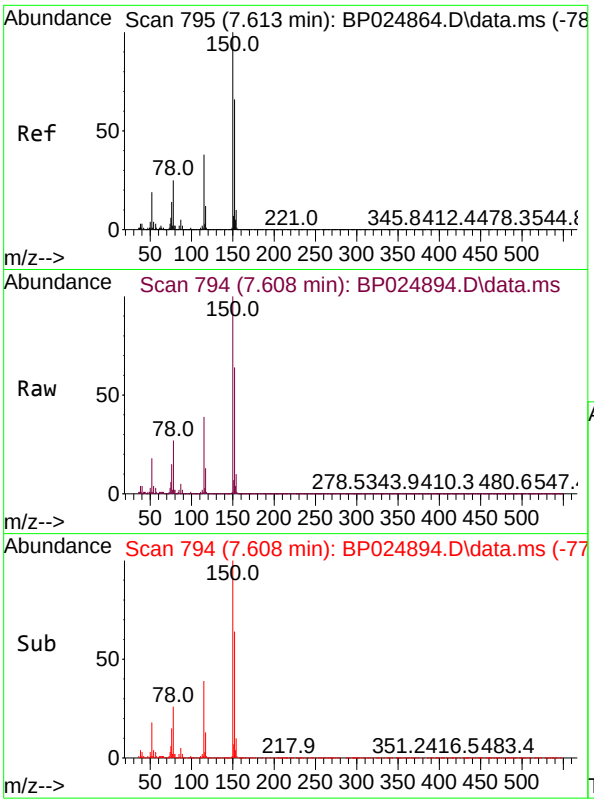
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024894.D
Acq On : 10 Jun 2025 15:05
Operator : RC/JU
Sample : Q2176-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-65

Quant Time: Jun 10 15:28:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration



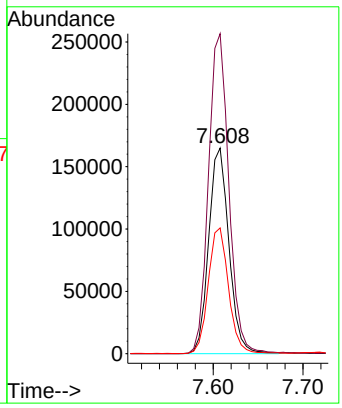


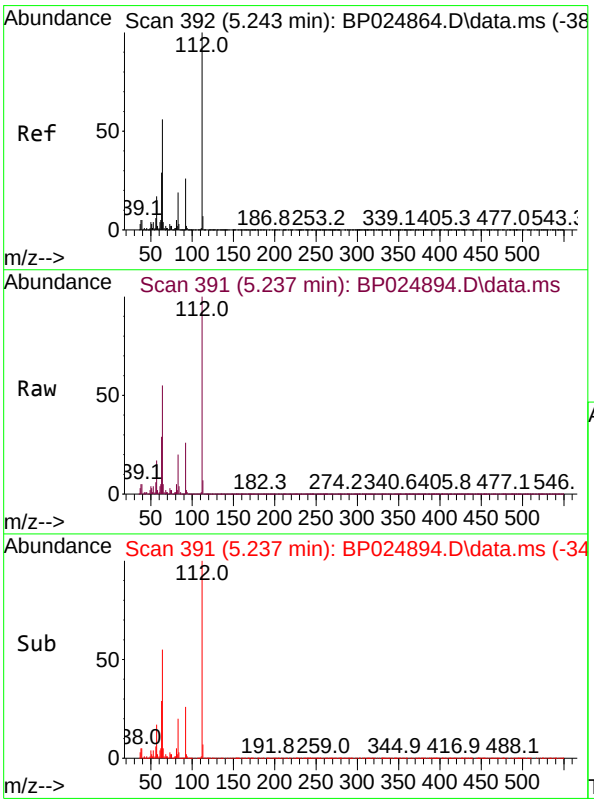
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.608 min Scan# 7
Delta R.T. -0.005 min
Lab File: BP024894.D
Acq: 10 Jun 2025 15:05

Instrument :
BNA_P
ClientSampleId :
TP-65

Tgt Ion:152 Resp: 258411

Ion	Ratio	Lower	Upper
152	100		
150	155.6	122.1	183.1
115	61.1	46.4	69.6

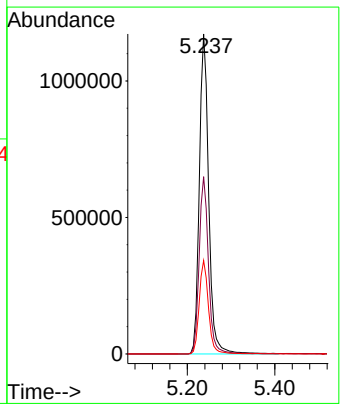


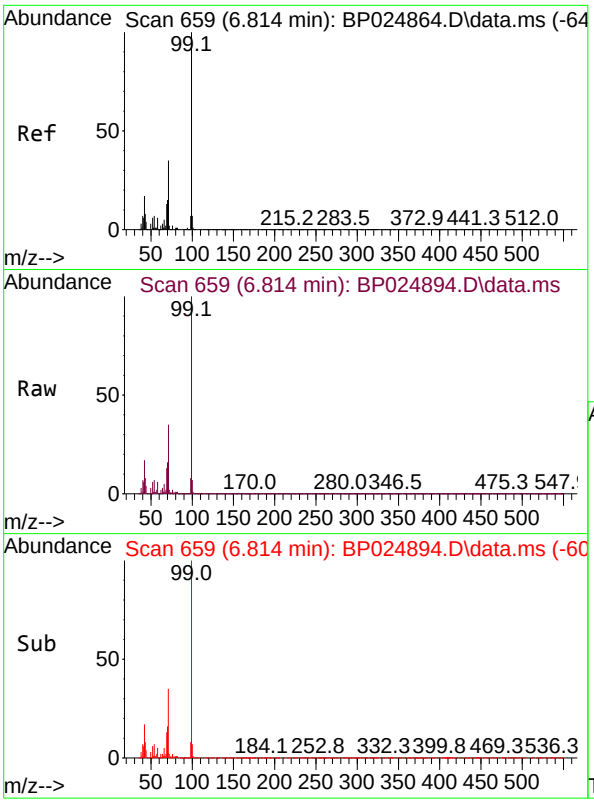


#5
2-Fluorophenol
Concen: 112.687 ng
RT: 5.237 min Scan# 391
Delta R.T. -0.006 min
Lab File: BP024894.D
Acq: 10 Jun 2025 15:05

Tgt Ion:112 Resp: 1744524

Ion	Ratio	Lower	Upper
112	100		
64	55.4	44.7	67.1
63	29.2	23.5	35.3



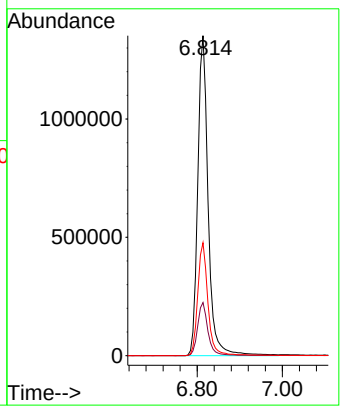


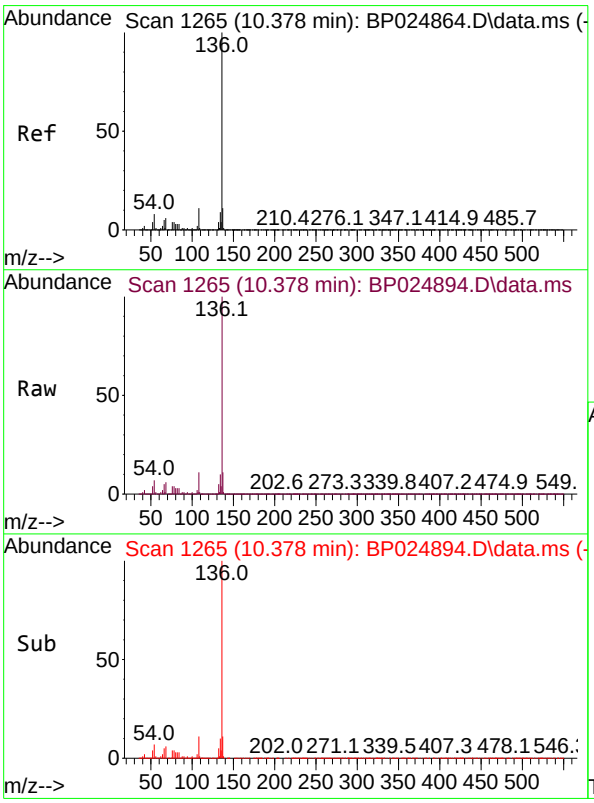
#7
Phenol-d6
Concen: 111.850 ng
RT: 6.814 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024894.D
Acq: 10 Jun 2025 15:05

Instrument :
BNA_P
ClientSampleId :
TP-65

Tgt Ion: 99 Resp: 2291033

Ion	Ratio	Lower	Upper
99	100		
42	16.6	13.4	20.2
71	35.3	27.6	41.4

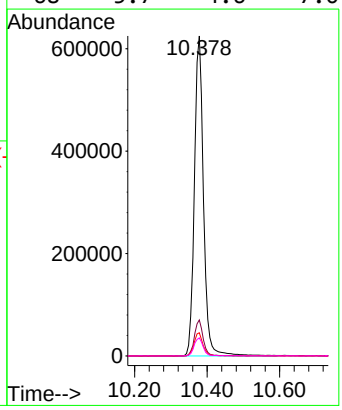


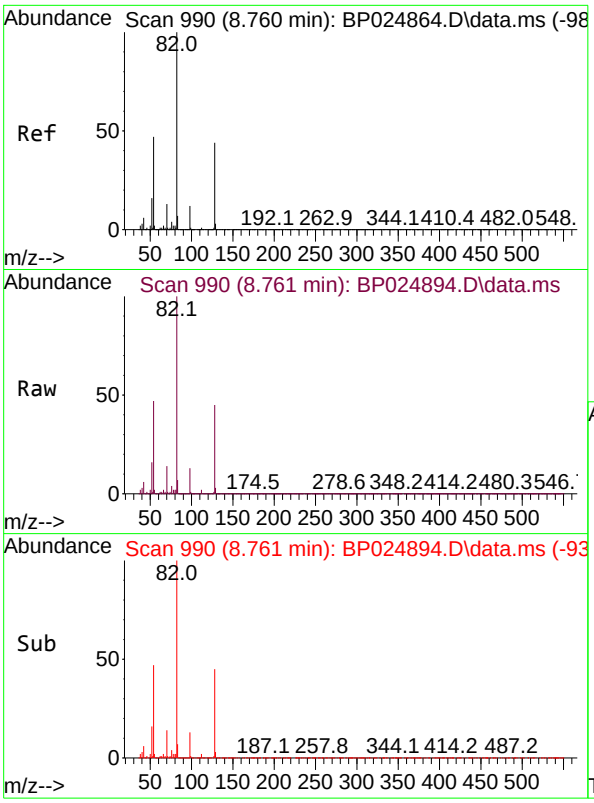


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.378 min Scan# 1265
Delta R.T. 0.000 min
Lab File: BP024894.D
Acq: 10 Jun 2025 15:05

Tgt Ion:136 Resp: 1090500

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	7.2	6.1	9.1
68	5.7	4.6	7.0



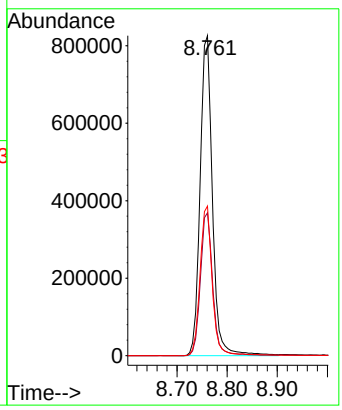


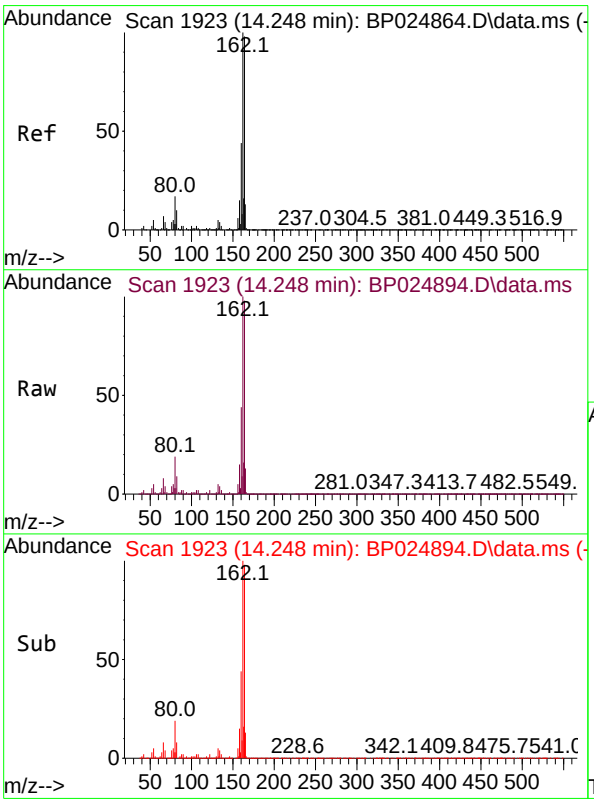
#23
Nitrobenzene-d5
Concen: 62.854 ng
RT: 8.761 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP024894.D
Acq: 10 Jun 2025 15:05

Instrument :
BNA_P
ClientSampleId :
TP-65

Tgt Ion: 82 Resp: 1410528

Ion	Ratio	Lower	Upper
82	100		
128	44.7	35.3	52.9
54	46.8	37.4	56.0

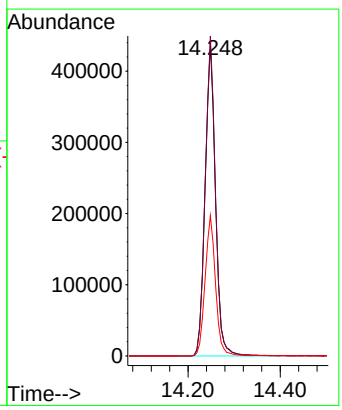


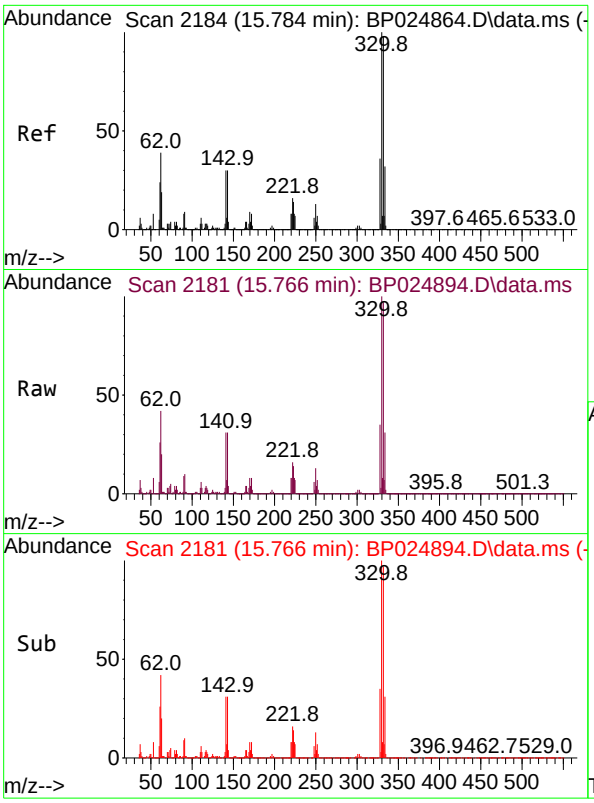


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.248 min Scan# 1923
Delta R.T. 0.000 min
Lab File: BP024894.D
Acq: 10 Jun 2025 15:05

Tgt Ion:164 Resp: 691206

Ion	Ratio	Lower	Upper
164	100		
162	102.6	81.6	122.4
160	45.0	36.2	54.2



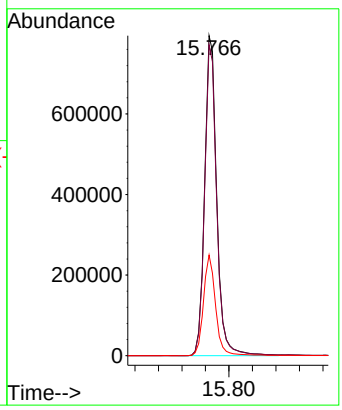


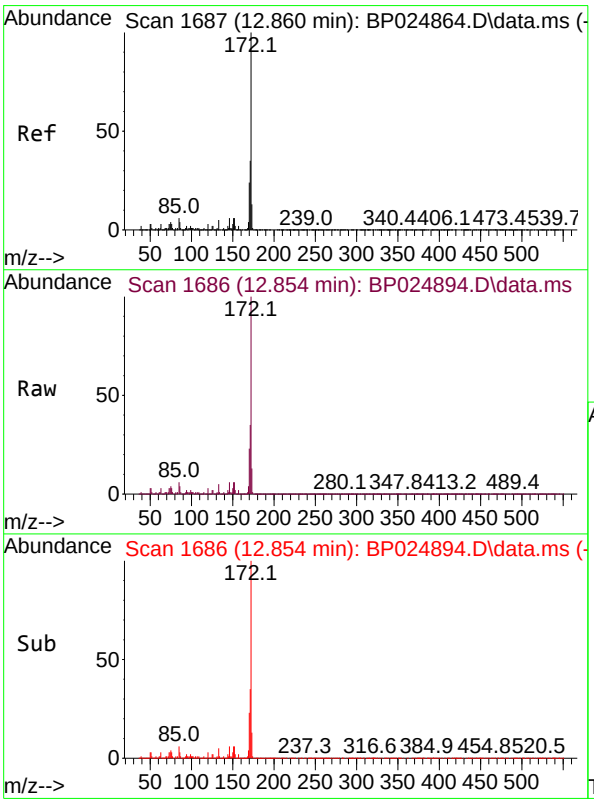
#42
2,4,6-Tribromophenol
Concen: 119.028 ng
RT: 15.766 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024894.D
Acq: 10 Jun 2025 15:05

Instrument :
BNA_P
ClientSampleId :
TP-65

Tgt Ion:330 Resp: 1137466

Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.7	116.5
141	31.4	26.4	39.6

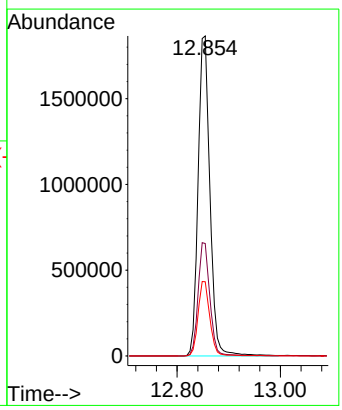


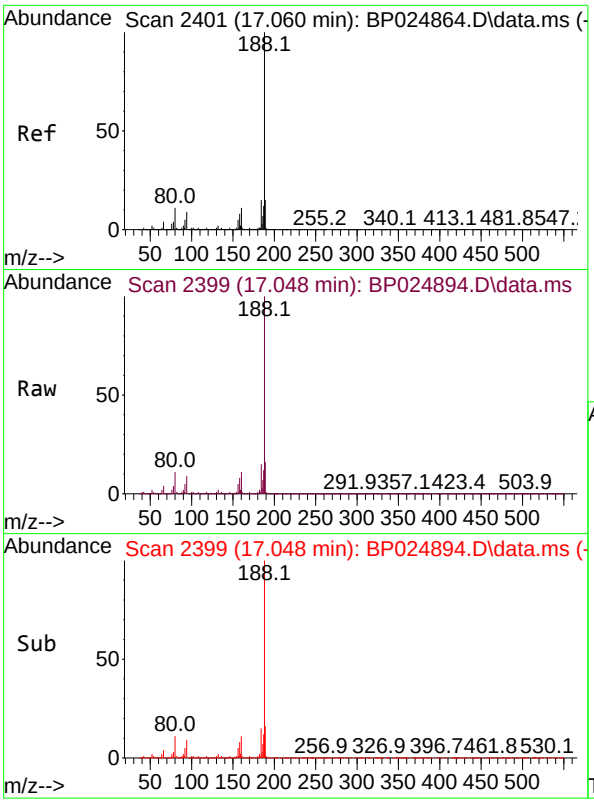


#45
2-Fluorobiphenyl
Concen: 57.717 ng
RT: 12.854 min Scan# 1686
Delta R.T. -0.006 min
Lab File: BP024894.D
Acq: 10 Jun 2025 15:05

Tgt Ion:172 Resp: 2961471

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.3	42.5
170	23.2	19.0	28.4



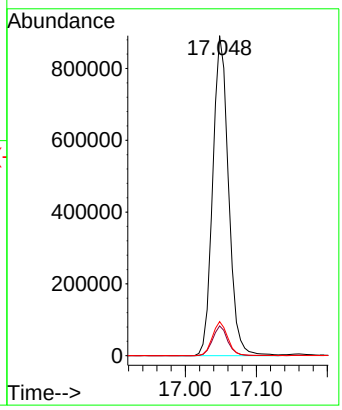


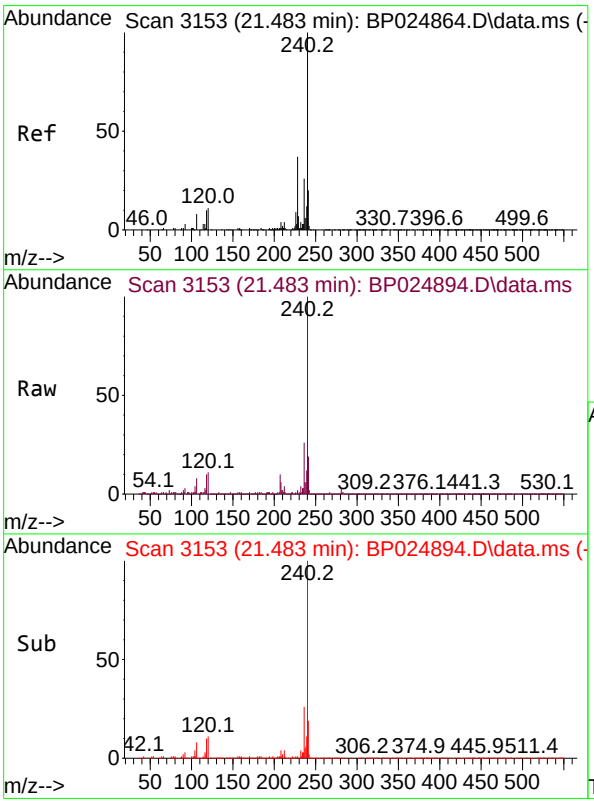
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.048 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024894.D
Acq: 10 Jun 2025 15:05

Instrument :
BNA_P
ClientSampleId :
TP-65

Tgt Ion:188 Resp: 1373079

Ion	Ratio	Lower	Upper
188	100		
94	9.3	7.3	10.9
80	10.7	8.5	12.7

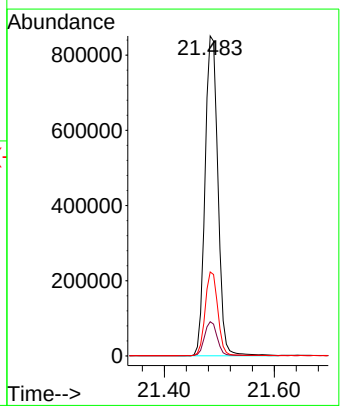


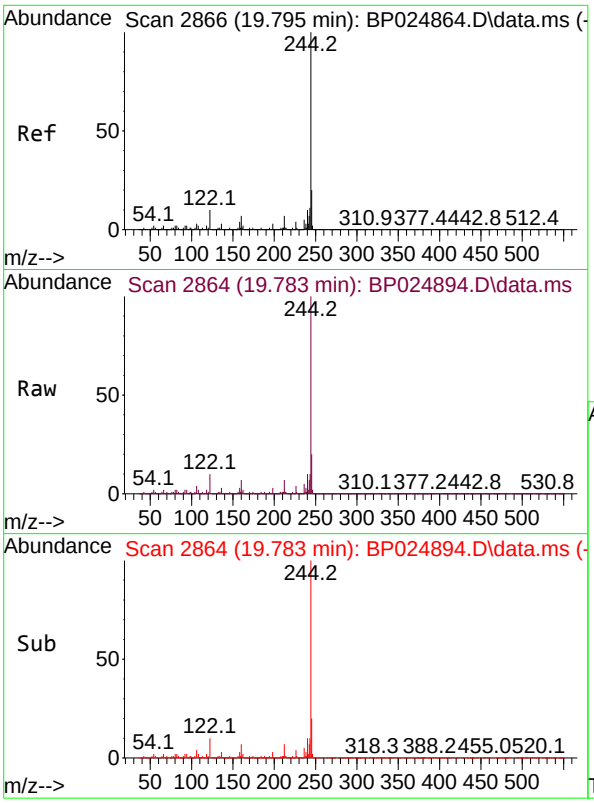


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.483 min Scan# 3153
Delta R.T. 0.000 min
Lab File: BP024894.D
Acq: 10 Jun 2025 15:05

Tgt Ion:240 Resp: 1382027

Ion	Ratio	Lower	Upper
240	100		
120	10.7	8.9	13.3
236	26.2	20.9	31.3



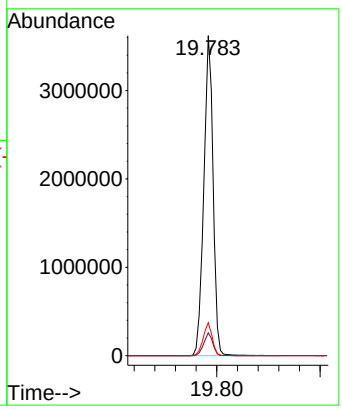


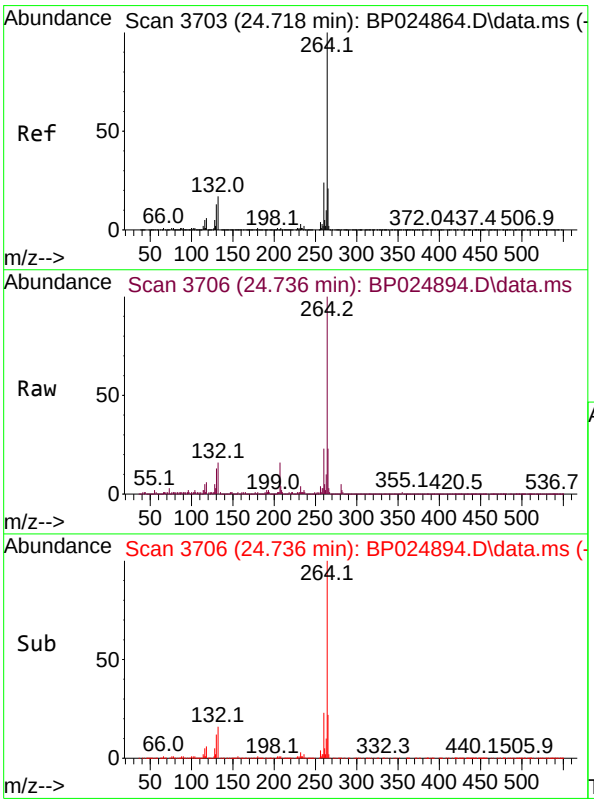
#79
Terphenyl-d14
Concen: 58.399 ng
RT: 19.783 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024894.D
Acq: 10 Jun 2025 15:05

Instrument :
BNA_P
ClientSampleId :
TP-65

Tgt Ion:244 Resp: 4503227

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.6	8.4
122	10.3	7.7	11.5

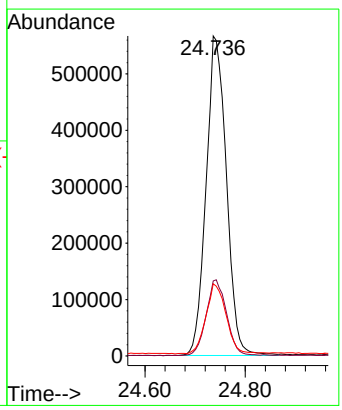




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.736 min Scan# 3706
Delta R.T. 0.018 min
Lab File: BP024894.D
Acq: 10 Jun 2025 15:05

Tgt Ion:264 Resp: 1592939

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.0	28.4
265	22.6	17.4	26.0



Sample Results: **BP024894.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024894.D
Acq On : 10 Jun 2025 15:05
Operator : RC/JU
Sample : Q2176-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-65

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

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

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

Signal : TIC: BP024894.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.773	305	312	323	rBV	359134	522609	4.33%	0.764%
2	5.237	384	391	412	rBV	3967121	5884616	48.81%	8.602%
3	6.814	652	659	688	rBV	3690358	6350807	52.67%	9.284%
4	7.608	786	794	803	rBV	948570	1500345	12.44%	2.193%
5	8.761	982	990	1010	rBV	2352530	4024994	33.38%	5.884%
6	10.378	1257	1265	1279	rBV	1265747	2182547	18.10%	3.190%
7	12.849	1678	1685	1712	rBV	5463747	8626369	71.55%	12.610%
8	14.248	1916	1923	1939	rBV	1852300	2932616	24.32%	4.287%
9	15.096	2056	2067	2075	rBV	62765	137660	1.14%	0.201%
10	15.637	2153	2159	2165	rBV	1187932	1474020	12.23%	2.155%
11	15.766	2175	2181	2202	rBV	5733814	8157440	67.66%	11.925%
12	17.048	2393	2399	2406	rBV2	2241726	3449250	28.61%	5.042%
13	17.748	2513	2518	2530	rBV2	216475	347396	2.88%	0.508%
14	17.995	2554	2560	2568	rBV	759652	1243177	10.31%	1.817%
15	18.054	2568	2570	2582	rVB	79994	158228	1.31%	0.231%
16	18.437	2630	2635	2640	rBV3	133001	194964	1.62%	0.285%
17	19.189	2758	2763	2773	rBV	197705	350490	2.91%	0.512%
18	19.331	2783	2787	2794	rBV3	180853	335131	2.78%	0.490%
19	19.560	2823	2826	2831	rBV	156292	202872	1.68%	0.297%
20	19.783	2858	2864	2875	rBV	9787868	12057080	100.00%	17.625%
21	21.160	3094	3098	3107	rBV2	314631	596044	4.94%	0.871%
22	21.483	3148	3153	3159	rBV2	2271181	3706506	30.74%	5.418%
23	24.736	3700	3706	3719	rVB	1416725	3973423	32.96%	5.808%

Sum of corrected areas: 68408584

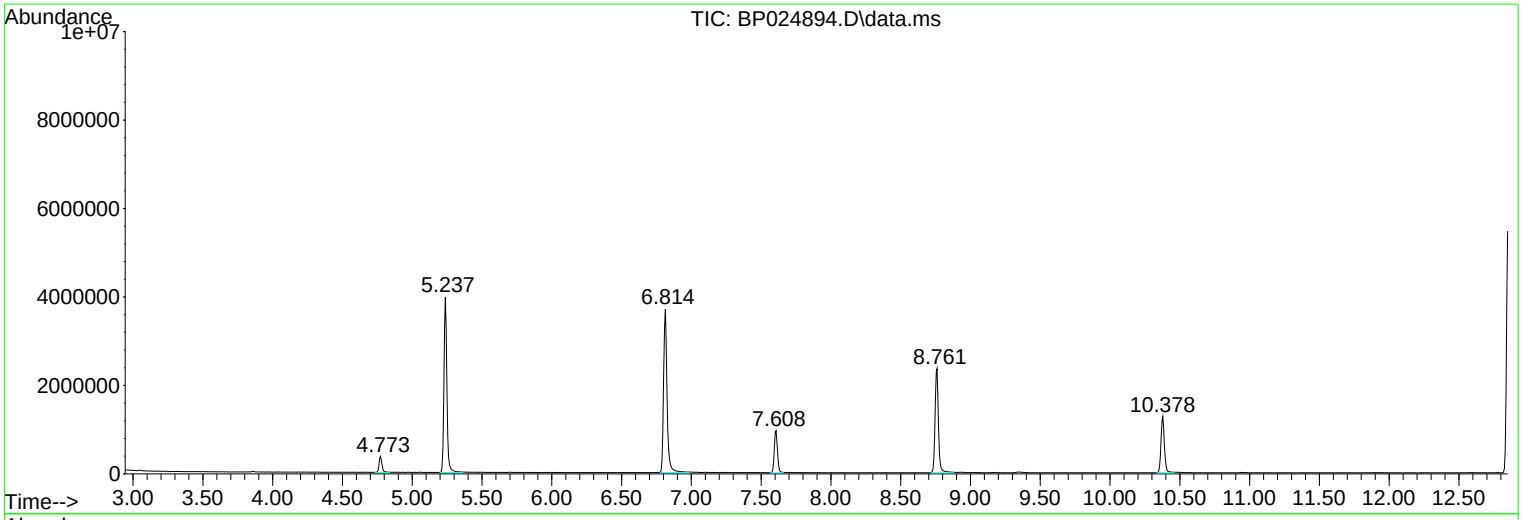
Sample Results: **BP024894.D**

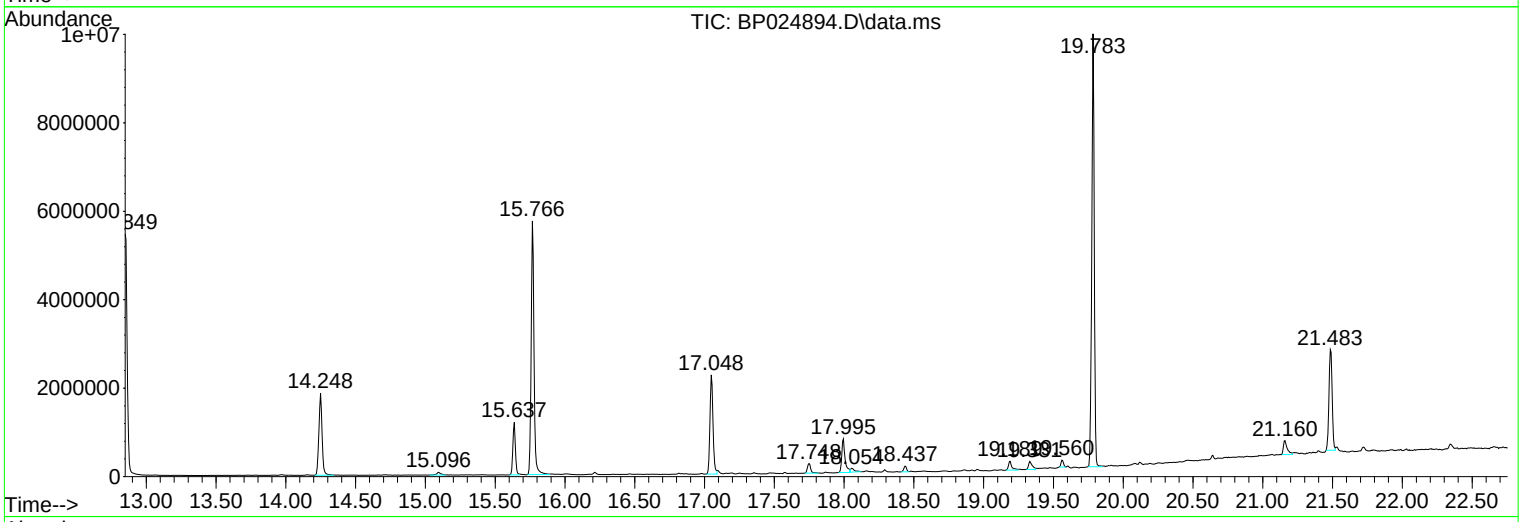
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024894.D
Acq On : 10 Jun 2025 15:05
Operator : RC/JU
Sample : Q2176-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

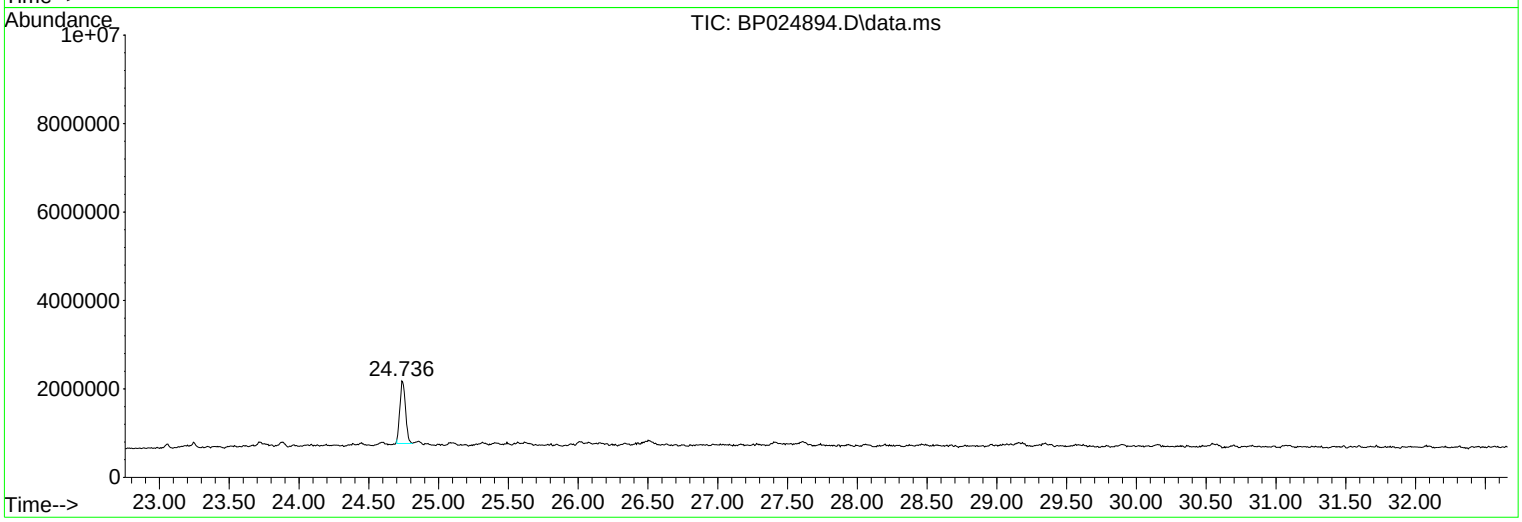
Instrument :
BNA_P
ClientSampleId :
TP-65

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

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







Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024894.D
Acq On : 10 Jun 2025 15:05
Operator : RC/JU
Sample : Q2176-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-65

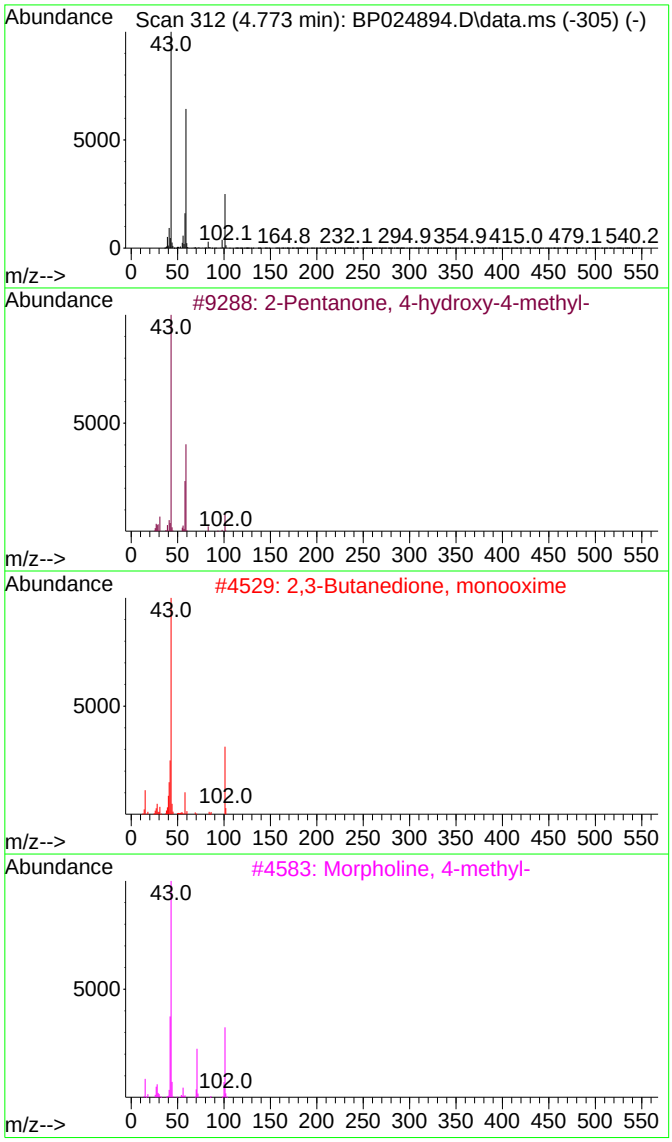
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

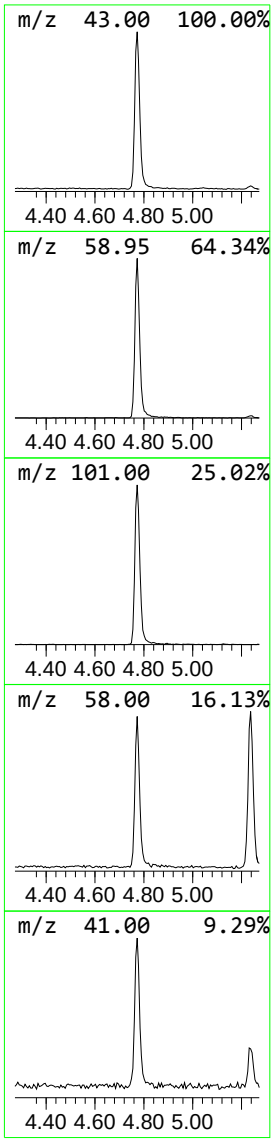
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.773	6.97 ng	522609	1,4-Dichlorobenzene-d4	7.608

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	17
3	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
4	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
5	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024894.D
Acq On : 10 Jun 2025 15:05
Operator : RC/JU
Sample : Q2176-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-65

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

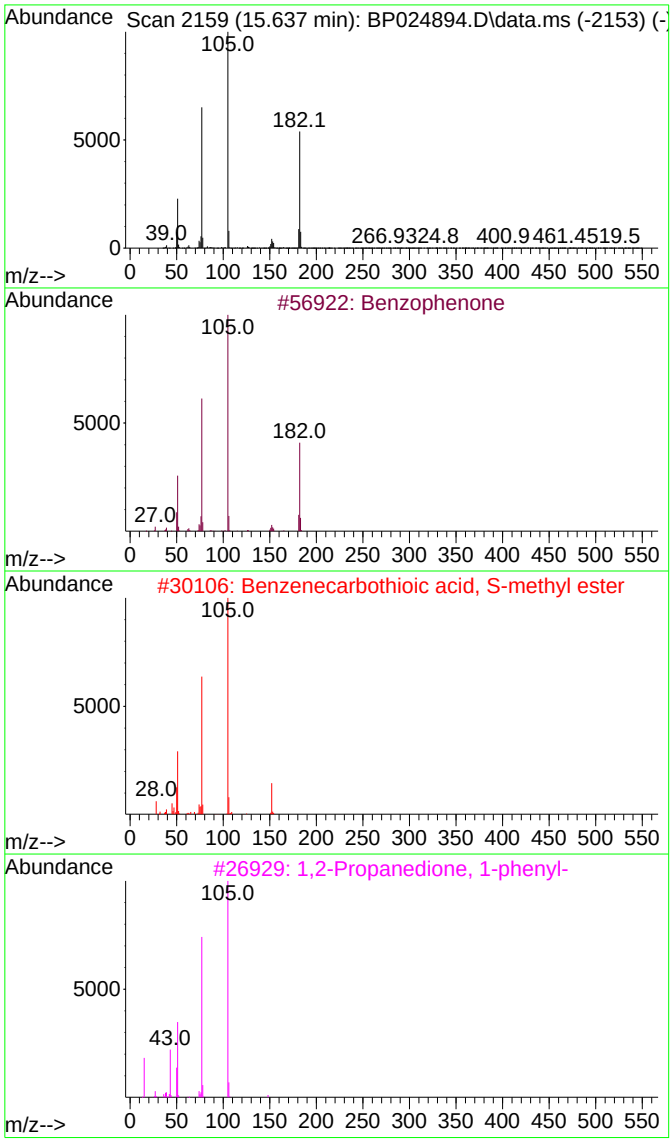
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

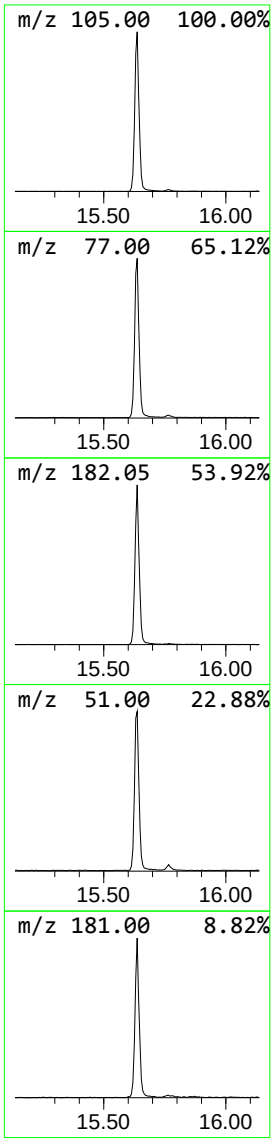
****

Peak Number 2 Benzophenone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.637	10.05 ng	1474020	Acenaphthene-d10	14.249

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	97
2	Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	50
3	1,2-Propanedione, 1-phenyl-	148	C9H8O2	000579-07-7	47
4	Benzenepropanenitrile, .beta.-oxo-	145	C9H7NO	000614-16-4	47
5	1-Propanone, 2-bromo-1-phenyl-	212	C9H9BrO	002114-00-3	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024894.D
Acq On : 10 Jun 2025 15:05
Operator : RC/JU
Sample : Q2176-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-65

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

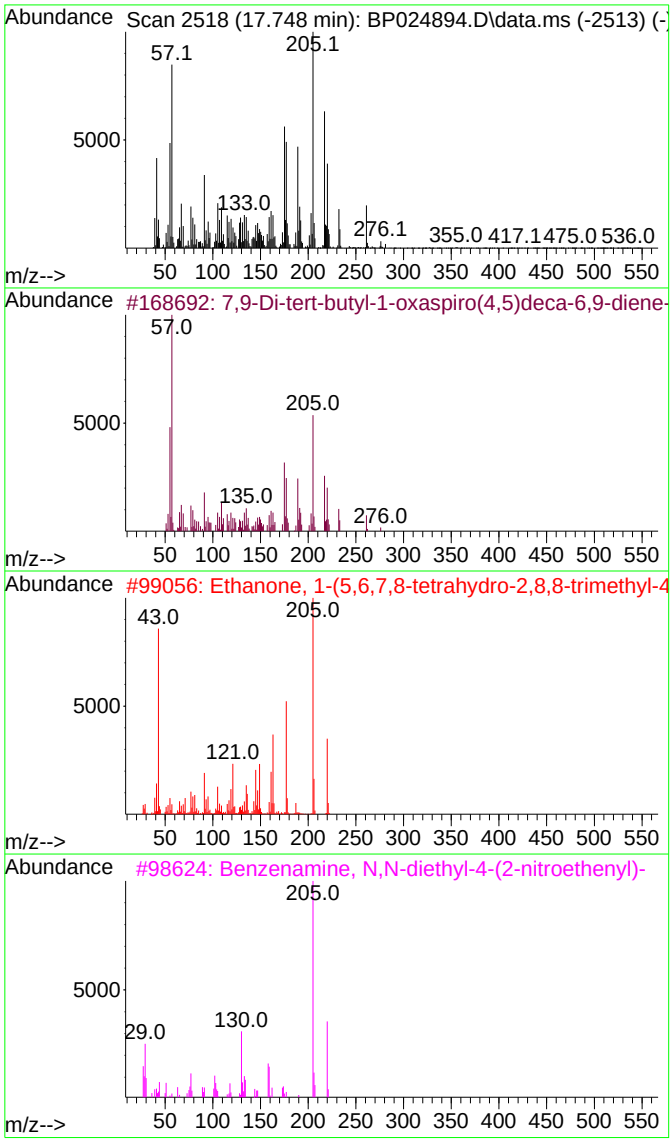
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

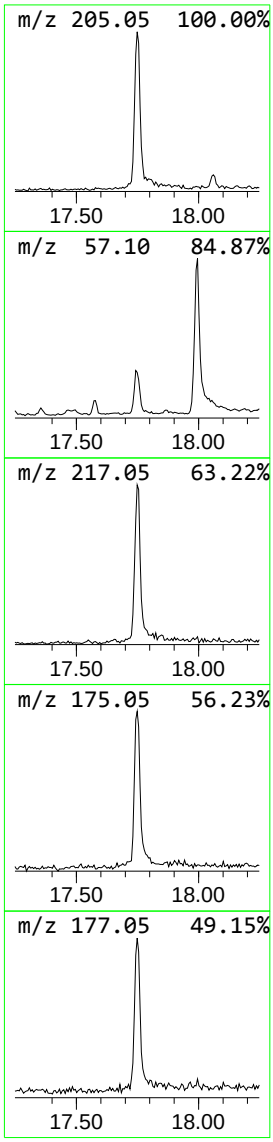
****

Peak Number 3 7,9-Di-tert-butyl-1-oxaspir... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.748	2.01 ng	347396	Phenanthrene-d10	17.048

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7,9-Di-tert-butyl-1-oxaspiro(4,5...	276	C17H24O3	082304-66-3	99
2	Ethanone, 1-(5,6,7,8-tetrahydro-...	220	C14H20O2	071596-88-8	56
3	Benzenamine, N,N-diethyl-4-(2-ni...	220	C12H16N2O2	064462-51-7	55
4	1-(3-Amino-4,6-dimethylthieno[2,...	220	C11H12N2OS	052505-42-7	50
5	9-Acetylphenanthrene	220	C16H12O	002039-77-2	45





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024894.D
Acq On : 10 Jun 2025 15:05
Operator : RC/JU
Sample : Q2176-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-65

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

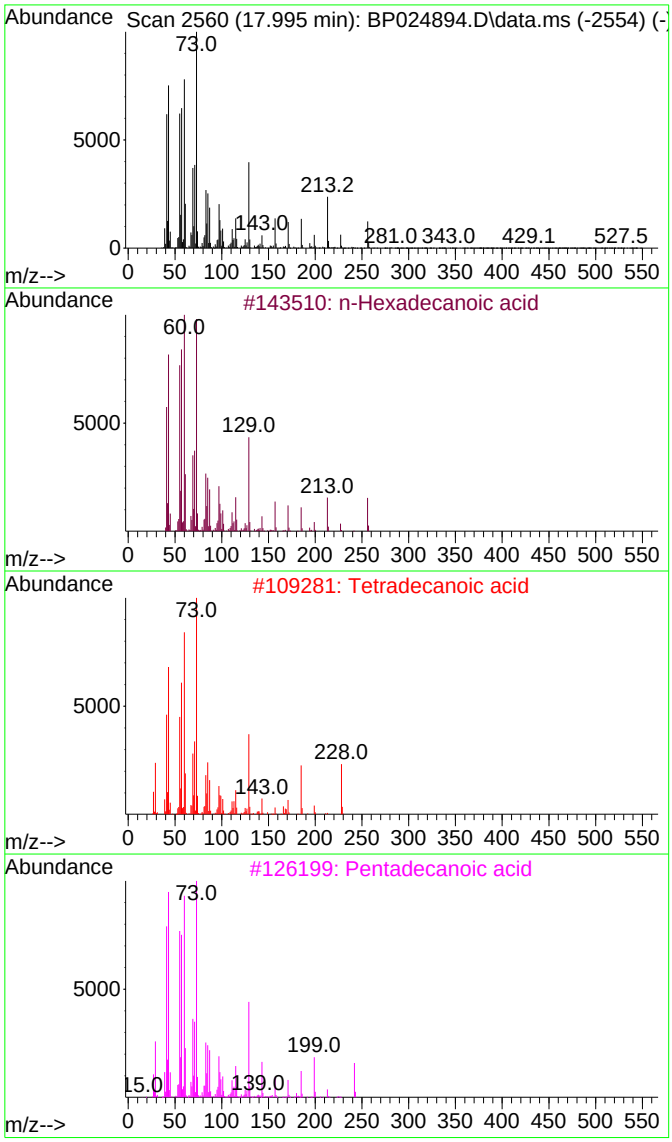
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

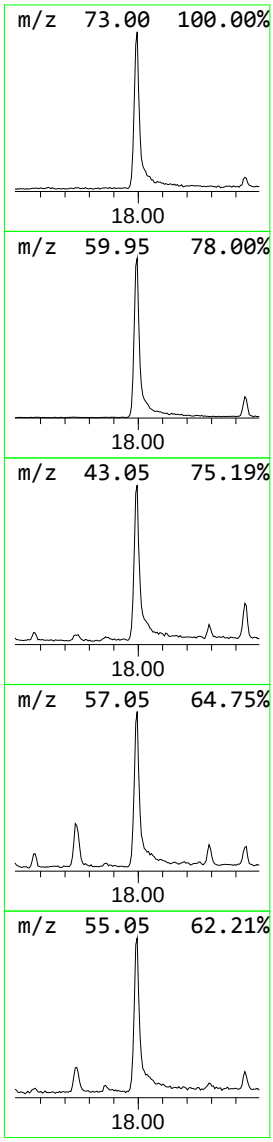
****

Peak Number 4 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.995	7.21 ng	1243180	Phenanthrene-d10	17.048

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	94
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	93
4	Tridecanoic acid	214	C13H26O2	000638-53-9	90
5	n-Decanoic acid	172	C10H20O2	000334-48-5	70





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024894.D
Acq On : 10 Jun 2025 15:05
Operator : RC/JU
Sample : Q2176-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-65

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

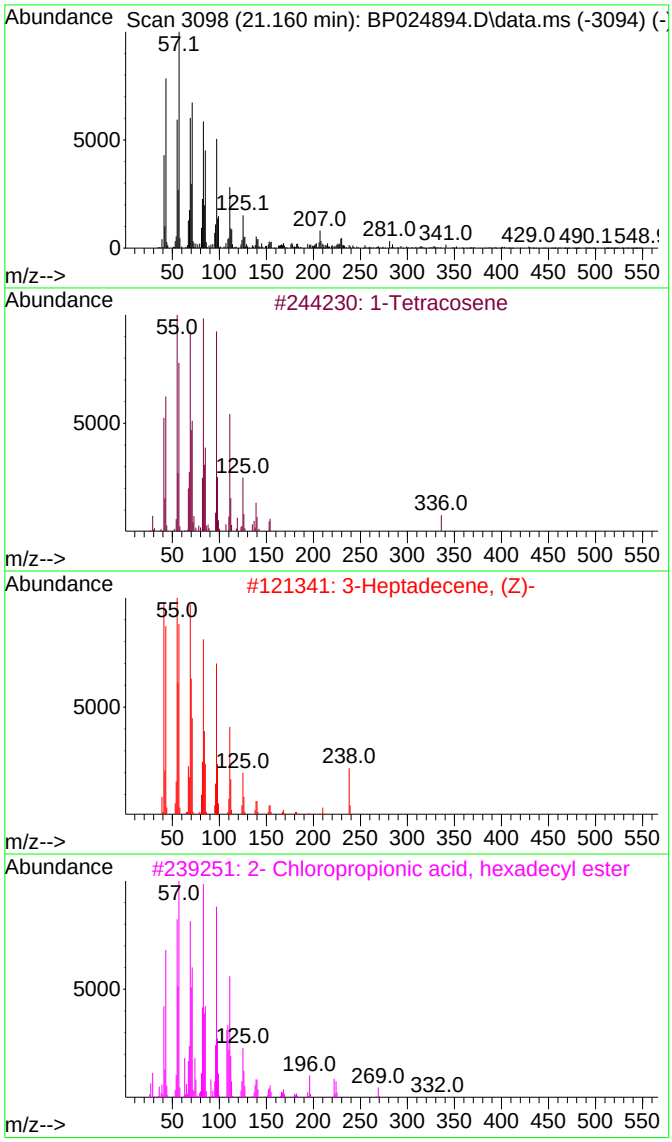
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

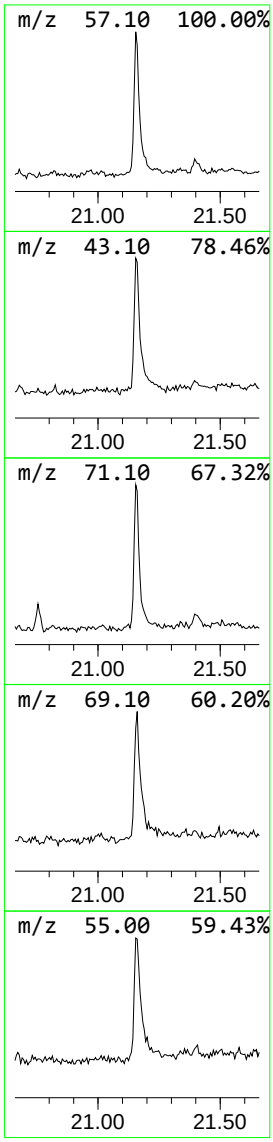
****

Peak Number 6 1-Tetracosene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.160	3.22 ng	596044	Chrysene-d12	21.483

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Tetracosene	336	C24H48	010192-32-2	96
2	3-Heptadecene, (Z)-	238	C17H34	1000141-67-3	95
3	2- Chloropropionic acid, hexadec...	332	C19H37ClO2	086711-81-1	93
4	Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	93
5	Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024894.D
Acq On : 10 Jun 2025 15:05
Operator : RC/JU
Sample : Q2176-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-65

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

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-...	4.773	7.0	ng	522609	1	7.608	1500350	20.0
Benzophenone	15.637	10.1	ng	1474020	3	14.249	2932620	20.0
7,9-Di-tert-but...	17.748	2.0	ng	347396	4	17.048	3449250	20.0
n-Hexadecanoic ...	17.995	7.2	ng	1243180	4	17.048	3449250	20.0
1-Tetracosene	21.160	3.2	ng	596044	5	21.483	3706510	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060425\
Data File : BF142603.D
Acq On : 04 Jun 2025 13:05
Operator : RC/JU
Sample : PB168234BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168234BL

Quant Time: Jun 04 13:37:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

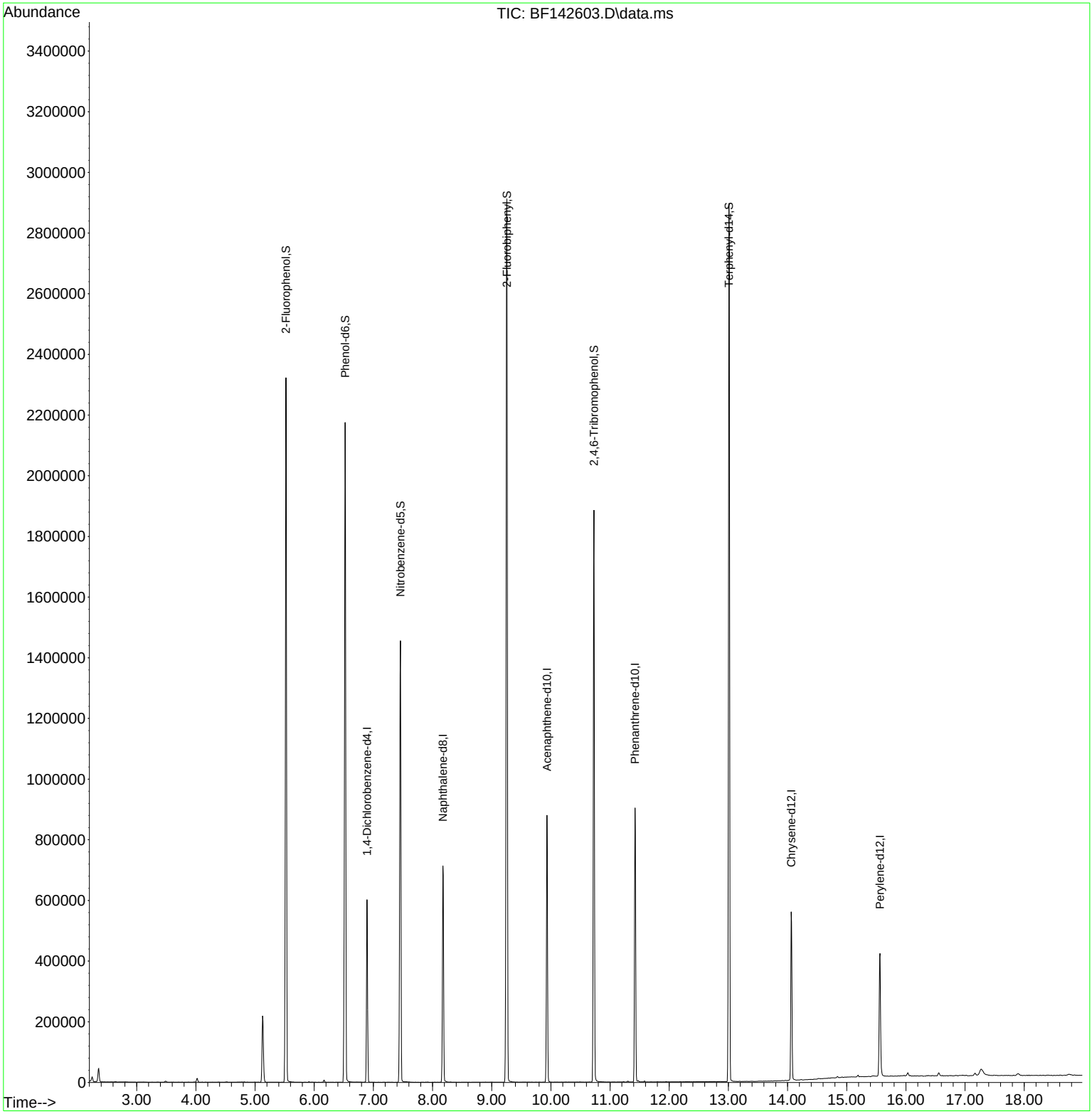
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	131273	20.000	ng	-0.01
21) Naphthalene-d8	8.175	136	500088	20.000	ng	-0.01
39) Acenaphthene-d10	9.934	164	273312	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	477318	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	281764	20.000	ng	#-0.01
86) Perylene-d12	15.563	264	248996	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	931257	119.517	ng	0.00
7) Phenol-d6	6.522	99	1120166	119.427	ng	-0.01
23) Nitrobenzene-d5	7.457	82	690335	75.273	ng	-0.02
42) 2,4,6-Tribromophenol	10.728	330	355604	117.229	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	1463491	71.852	ng	-0.01
79) Terphenyl-d14	13.010	244	1487213	72.129	ng	0.00
Target Compounds						Qvalue

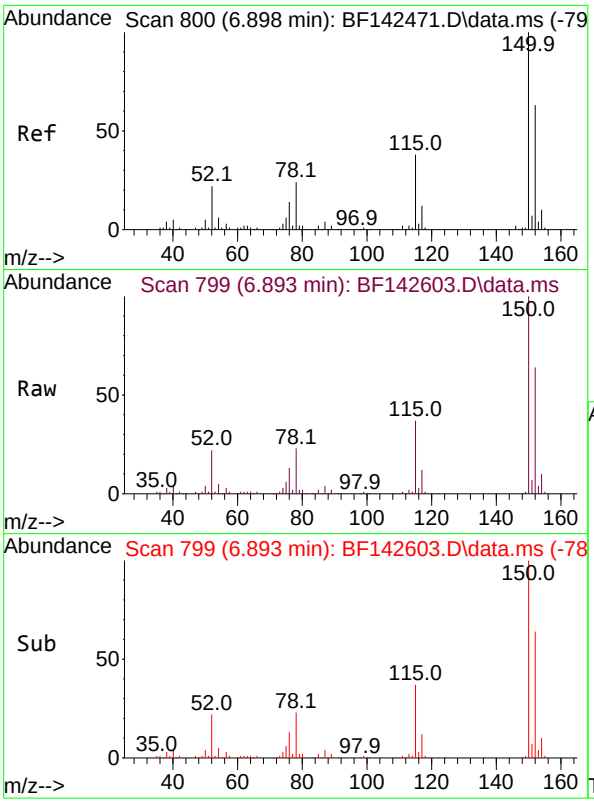
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060425\
Data File : BF142603.D
Acq On : 04 Jun 2025 13:05
Operator : RC/JU
Sample : PB168234BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168234BL

Quant Time: Jun 04 13:37:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration



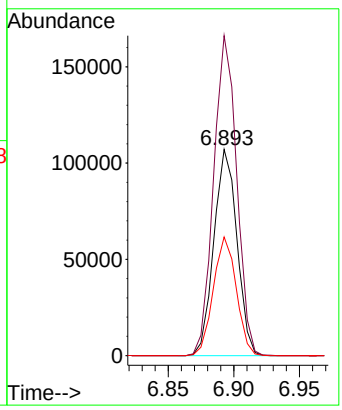


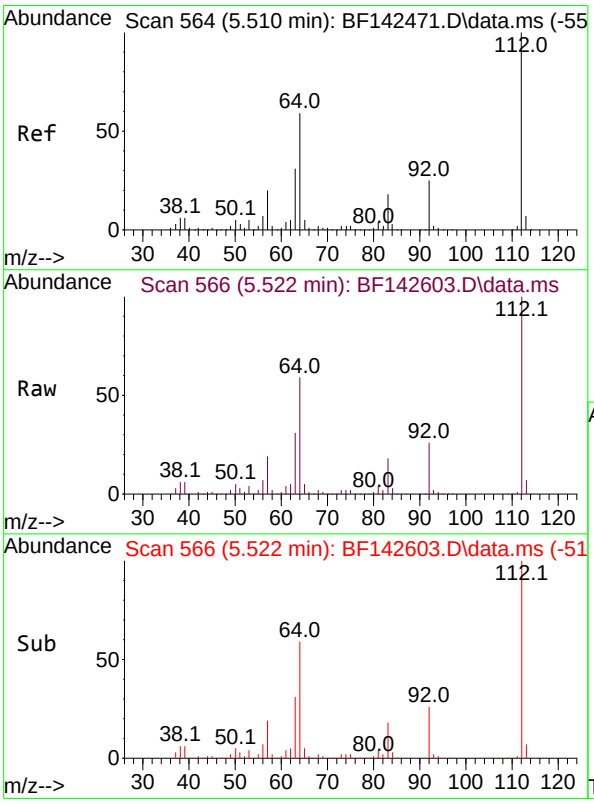
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF142603.D
Acq: 04 Jun 2025 13:05

Instrument :
BNA_F
ClientSampleId :
PB168234BL

Tgt Ion:152 Resp: 131273

Ion	Ratio	Lower	Upper
152	100		
150	155.2	128.2	192.4
115	57.5	48.3	72.5

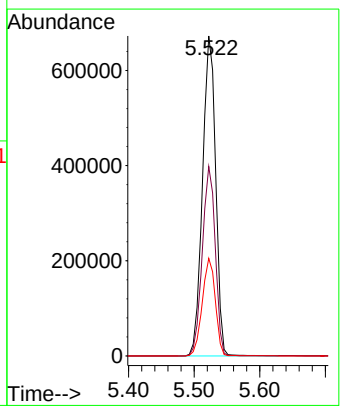


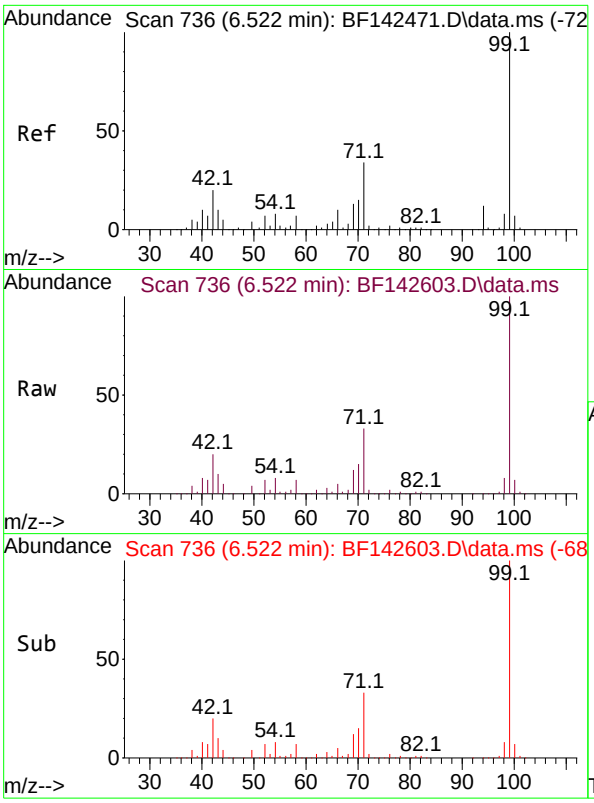


#5
2-Fluorophenol
Concen: 119.517 ng
RT: 5.522 min Scan# 566
Delta R.T. 0.006 min
Lab File: BF142603.D
Acq: 04 Jun 2025 13:05

Tgt Ion:112 Resp: 931257

Ion	Ratio	Lower	Upper
112	100		
64	59.2	47.5	71.3
63	30.5	24.9	37.3



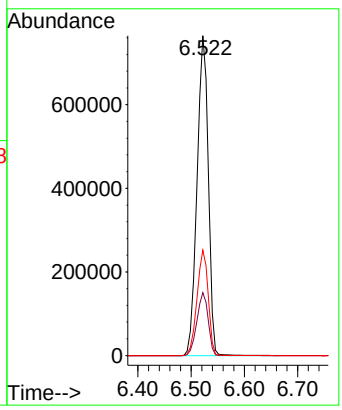


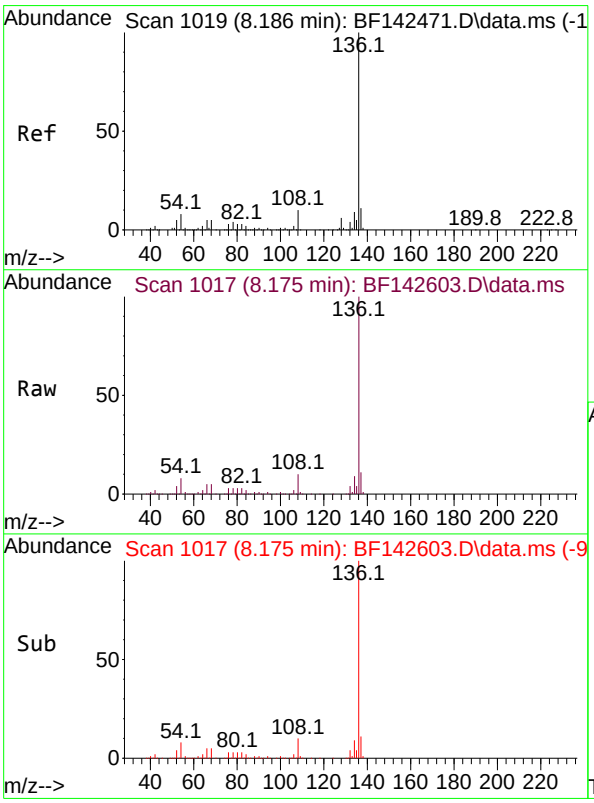
#7
Phenol-d6
Concen: 119.427 ng
RT: 6.522 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF142603.D
Acq: 04 Jun 2025 13:05

Instrument :
BNA_F
ClientSampleId :
PB168234BL

Tgt Ion: 99 Resp: 1120166

Ion	Ratio	Lower	Upper
99	100		
42	19.7	16.2	24.2
71	33.0	27.3	40.9

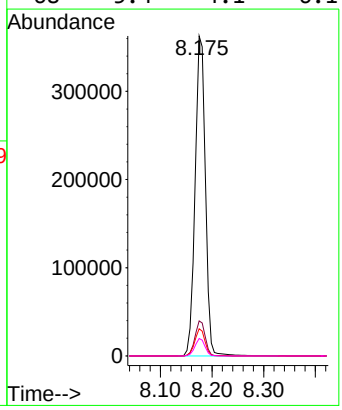


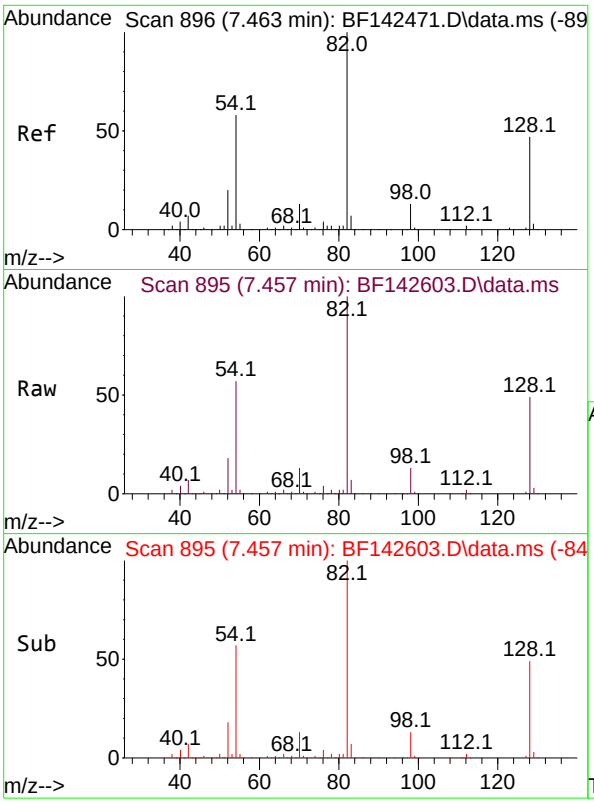


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF142603.D
Acq: 04 Jun 2025 13:05

Tgt Ion:136 Resp: 500088

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	8.5	6.6	10.0
68	5.4	4.1	6.1



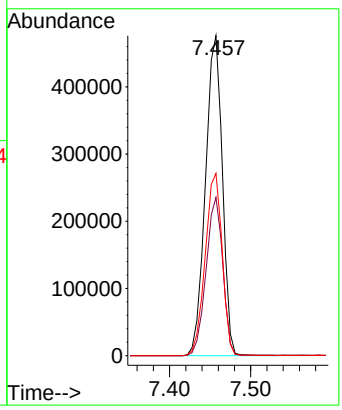


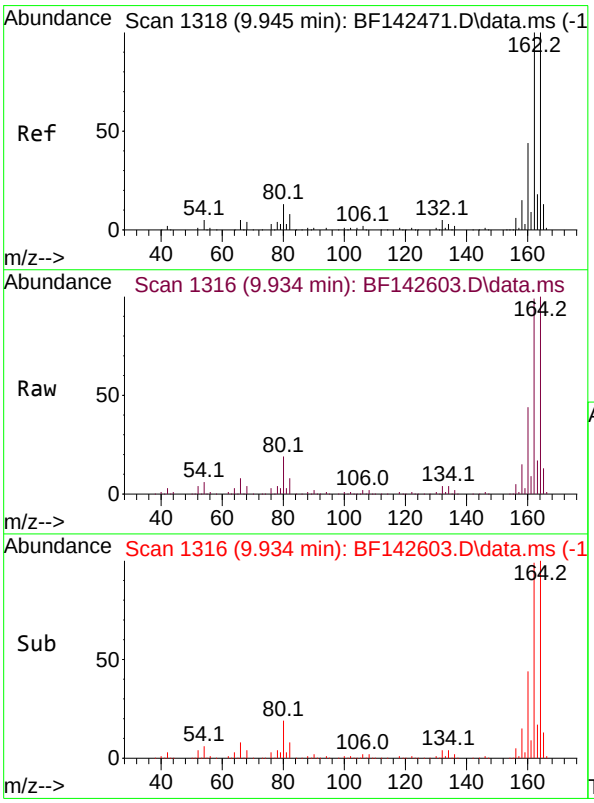
#23
Nitrobenzene-d5
Concen: 75.273 ng
RT: 7.457 min Scan# 89
Delta R.T. -0.017 min
Lab File: BF142603.D
Acq: 04 Jun 2025 13:05

Instrument :
BNA_F
ClientSampleId :
PB168234BL

Tgt Ion: 82 Resp: 690335

Ion	Ratio	Lower	Upper
82	100		
128	49.4	37.4	56.2
54	56.9	46.6	70.0

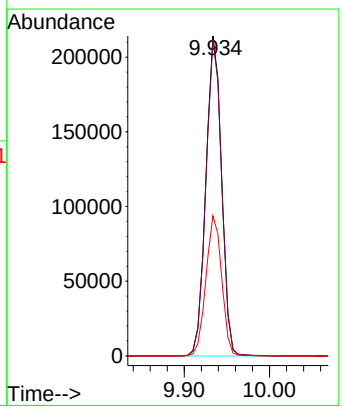


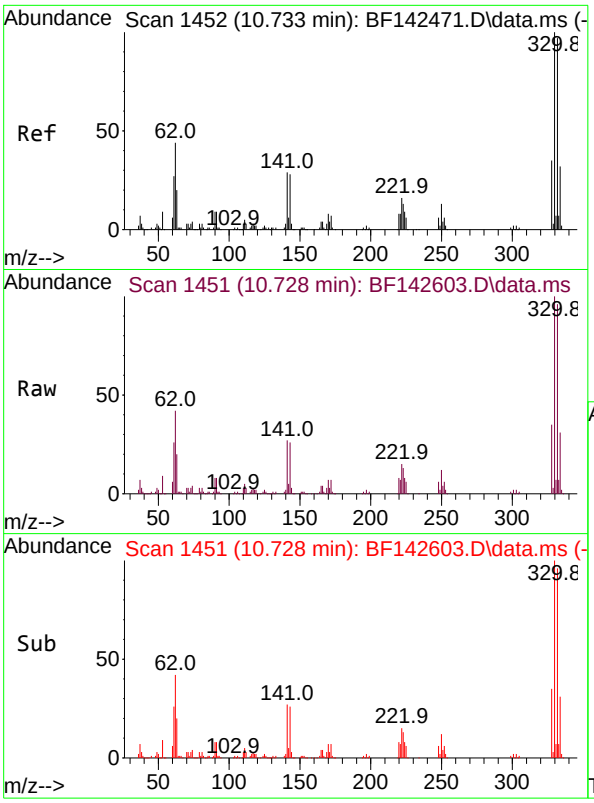


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.934 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142603.D
Acq: 04 Jun 2025 13:05

Tgt Ion:164 Resp: 273312

Ion	Ratio	Lower	Upper
164	100		
162	98.7	80.2	120.4
160	43.8	35.6	53.4



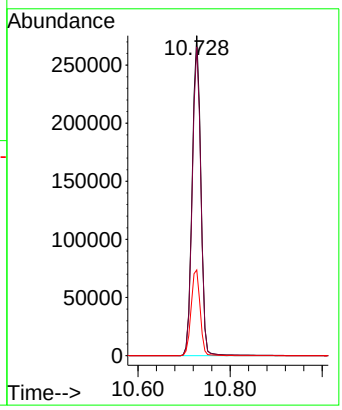


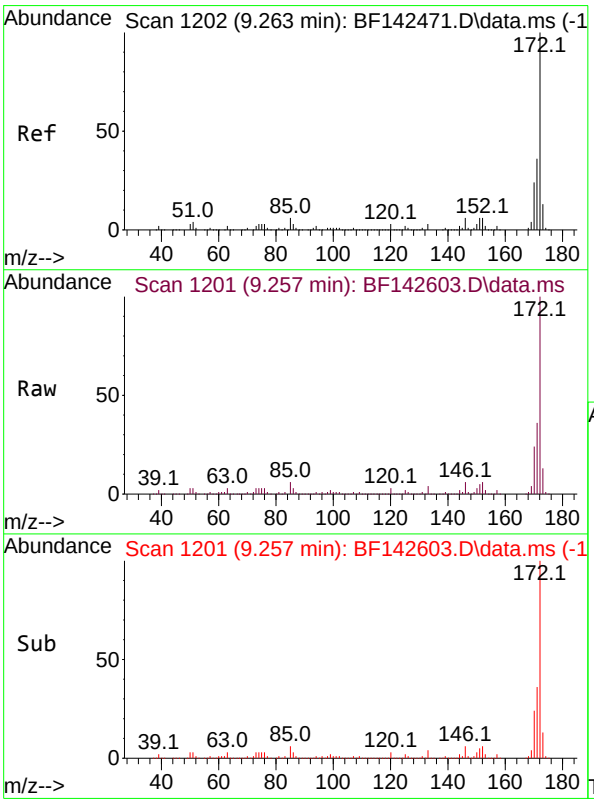
#42
2,4,6-Tribromophenol
Concen: 117.229 ng
RT: 10.728 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF142603.D
Acq: 04 Jun 2025 13:05

Instrument :
BNA_F
ClientSampleId :
PB168234BL

Tgt Ion:330 Resp: 355604

Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.6	116.4
141	28.1	24.6	36.8

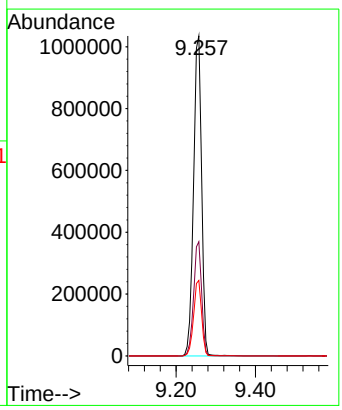


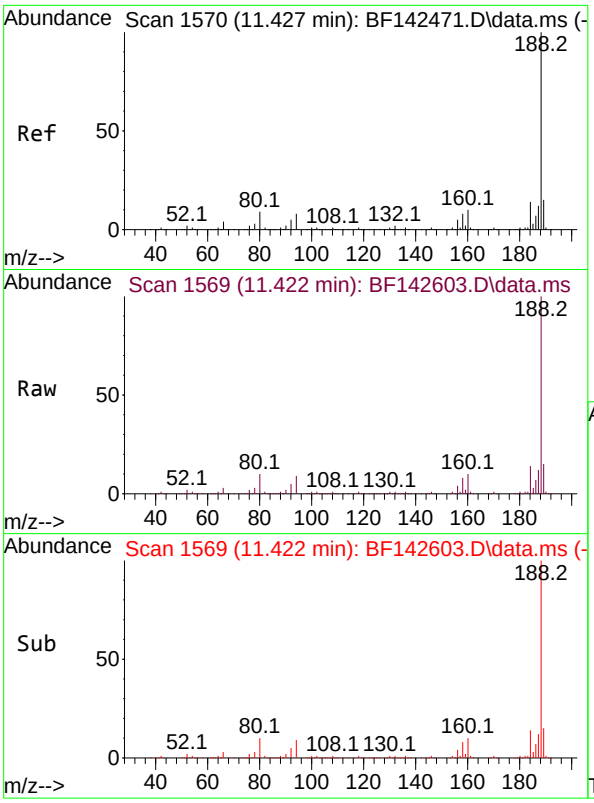


#45
2-Fluorobiphenyl
Concen: 71.852 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF142603.D
Acq: 04 Jun 2025 13:05

Tgt Ion:172 Resp: 1463491

Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.6	42.8
170	23.6	18.9	28.3



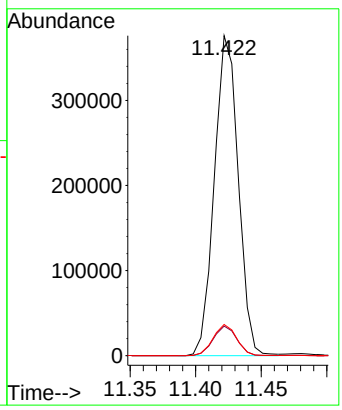


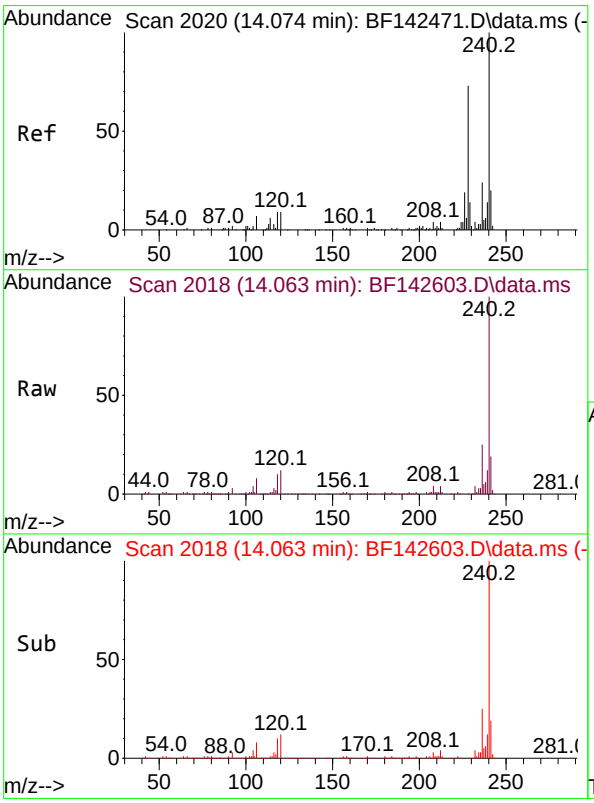
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142603.D
Acq: 04 Jun 2025 13:05

Instrument :
BNA_F
ClientSampleId :
PB168234BL

Tgt Ion:188 Resp: 477318

Ion	Ratio	Lower	Upper
188	100		
94	9.2	6.6	10.0
80	9.7	7.4	11.0

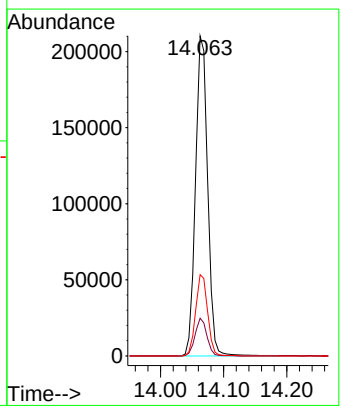


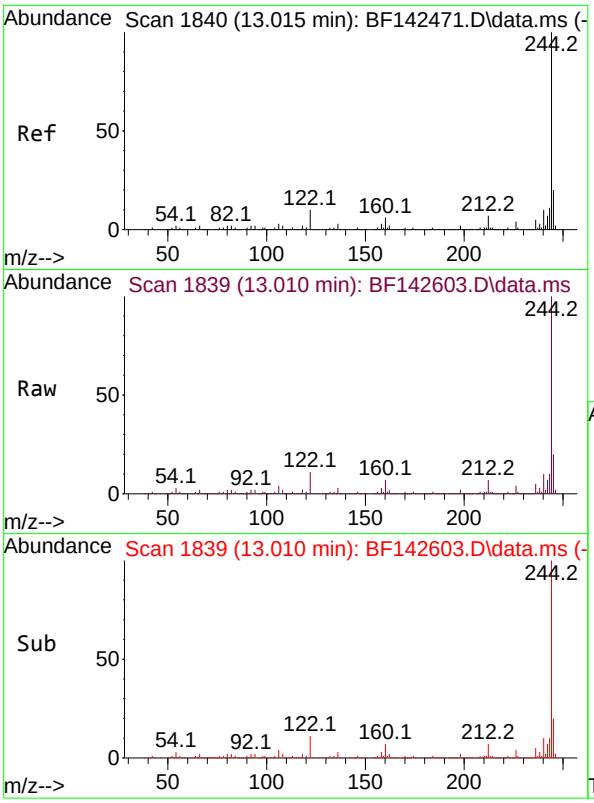


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF142603.D
Acq: 04 Jun 2025 13:05

Tgt Ion:240 Resp: 281764

Ion	Ratio	Lower	Upper
240	100		
120	11.8	7.5	11.3#
236	25.4	19.6	29.4



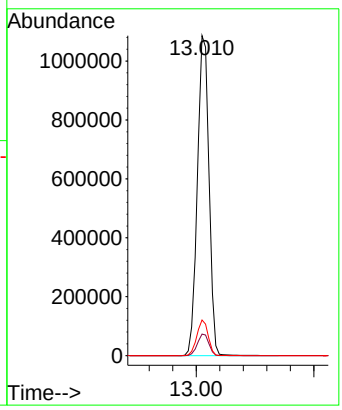


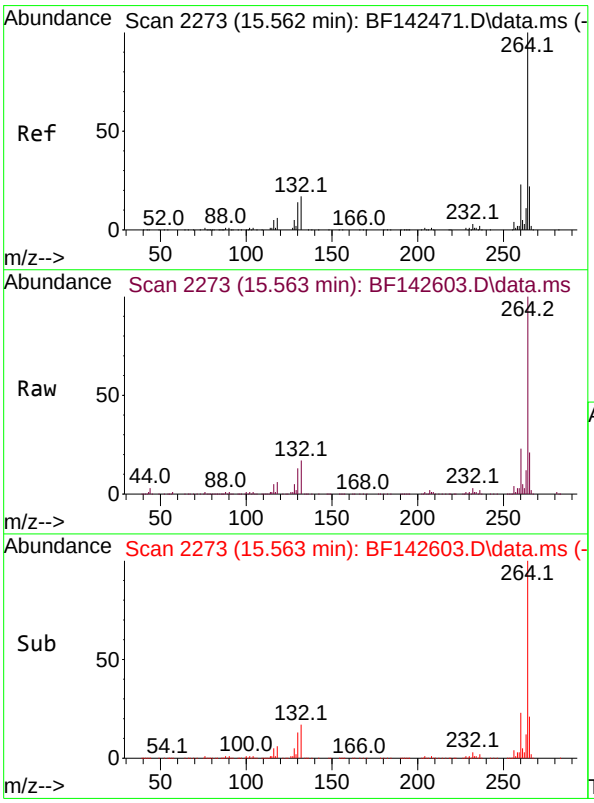
#79
Terphenyl-d14
Concen: 72.129 ng
RT: 13.010 min Scan# 18
Delta R.T. -0.006 min
Lab File: BF142603.D
Acq: 04 Jun 2025 13:05

Instrument :
BNA_F
ClientSampleId :
PB168234BL

Tgt Ion:244 Resp: 1487213

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.3	7.9
122	11.1	8.2	12.2

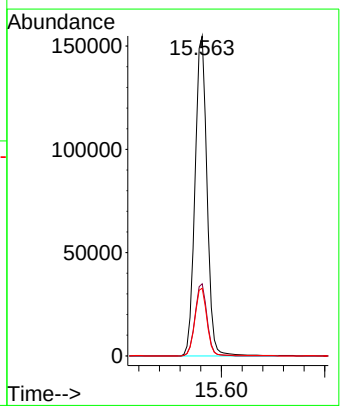




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.563 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF142603.D
Acq: 04 Jun 2025 13:05

Tgt Ion:264 Resp: 248996

Ion	Ratio	Lower	Upper
264	100		
260	22.5	18.6	28.0
265	21.1	17.7	26.5



Sample Results: **BF142603.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060425\
Data File : BF142603.D
Acq On : 04 Jun 2025 13:05
Operator : RC/JU
Sample : PB168234BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168234BL

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

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

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

Signal : TIC: BF142603.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.358	20	28	35	rVB	43847	72235	1.76%	0.292%
2	5.128	493	499	513	rVB	218929	357775	8.72%	1.445%
3	5.522	559	566	571	rBV	2322786	3190027	77.75%	12.884%
4	6.522	729	736	741	rBV	2175786	3175289	77.39%	12.824%
5	6.893	794	799	804	rBV	601426	732522	17.85%	2.959%
6	7.457	888	895	900	rBV	1455657	2103427	51.27%	8.495%
7	8.175	1011	1017	1032	rBV	713868	974545	23.75%	3.936%
8	9.257	1193	1201	1206	rBV	2912256	4102934	100.00%	16.571%
9	9.934	1310	1316	1328	rVB	880118	1120856	27.32%	4.527%
10	10.728	1445	1451	1456	rBV	1885428	2483474	60.53%	10.030%
11	11.422	1564	1569	1576	rBV	903571	1144675	27.90%	4.623%
12	13.010	1833	1839	1845	rBV	2895090	3910162	95.30%	15.792%
13	14.063	2013	2018	2033	rVB	555040	733155	17.87%	2.961%
14	15.563	2266	2273	2287	rVB	404520	658834	16.06%	2.661%

Sum of corrected areas: 24759910

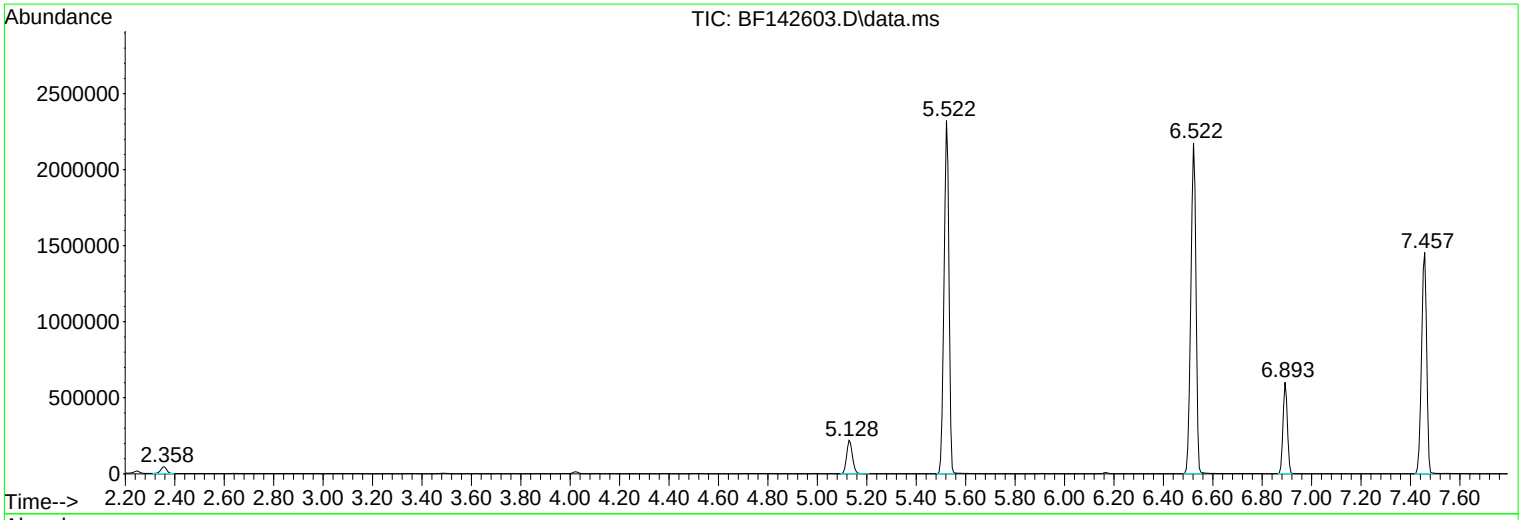
Sample Results: **BF142603.D**

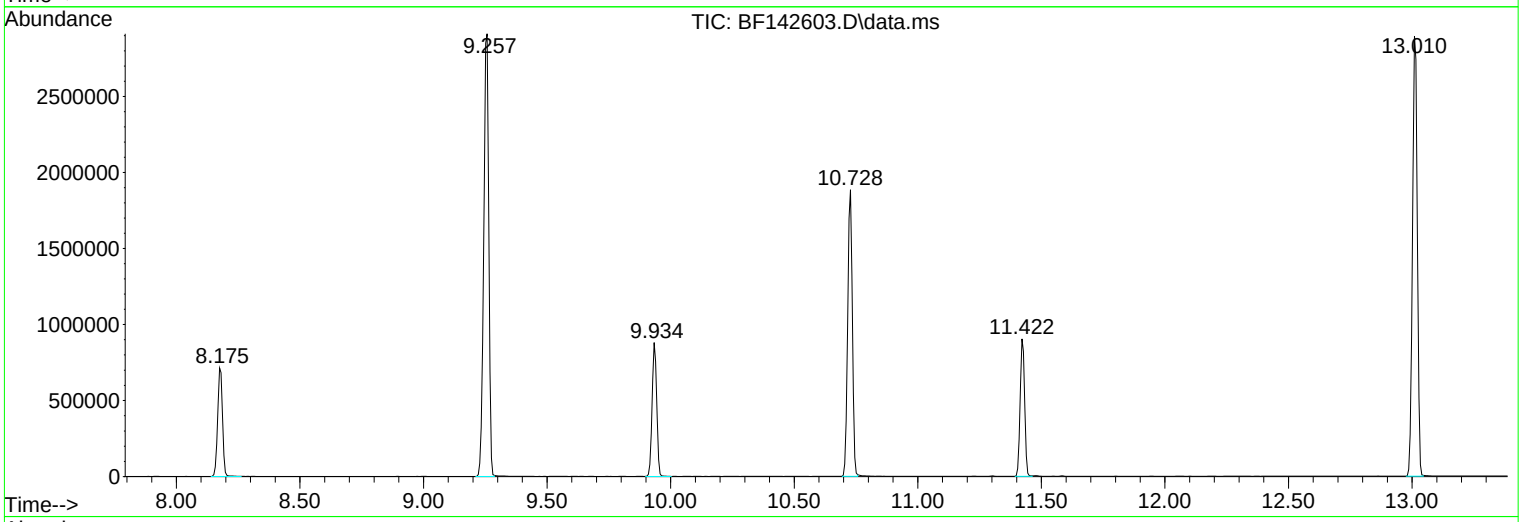
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060425\
Data File : BF142603.D
Acq On : 04 Jun 2025 13:05
Operator : RC/JU
Sample : PB168234BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

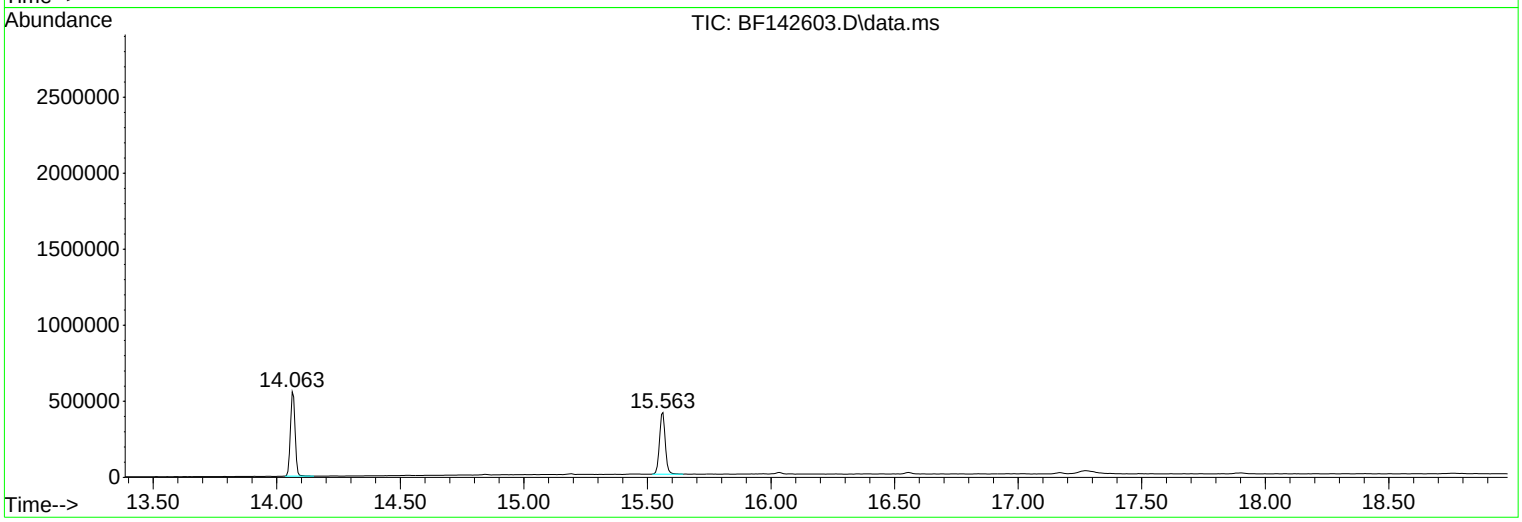
Instrument :
BNA_F
ClientSampleId :
PB168234BL

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

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







Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060425\
Data File : BF142603.D
Acq On : 04 Jun 2025 13:05
Operator : RC/JU
Sample : PB168234BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168234BL

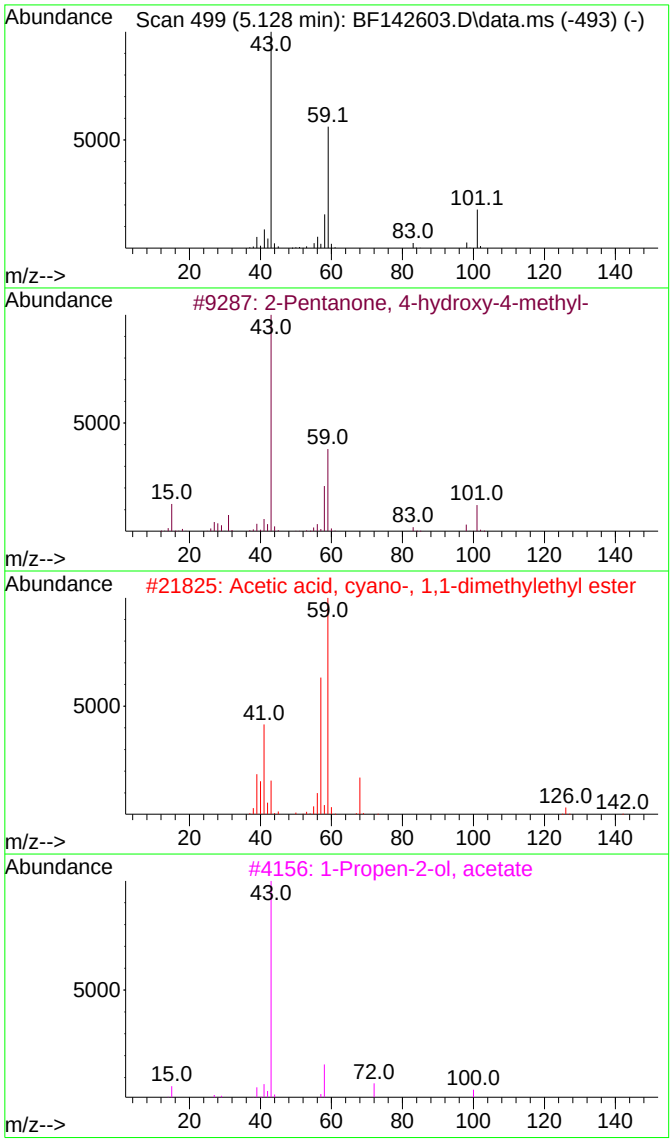
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

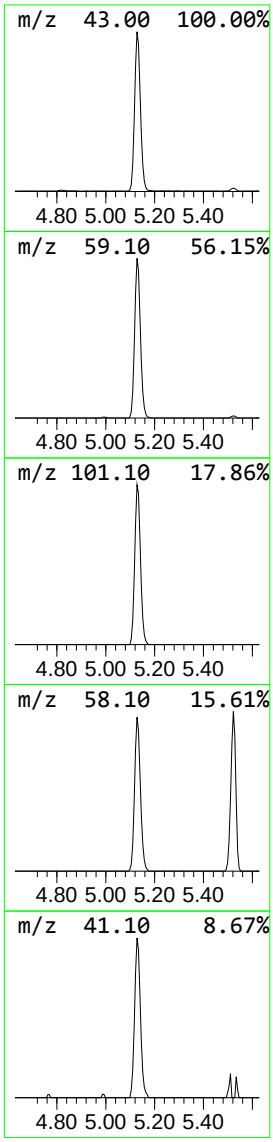
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.128	9.77 ng	357775	1,4-Dichlorobenzene-d4	6.893

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060425\
Data File : BF142603.D
Acq On : 04 Jun 2025 13:05
Operator : RC/JU
Sample : PB168234BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168234BL

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

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-...	5.128	9.8	ng	357775	1	6.893	732522	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142726.D
Acq On : 11 Jun 2025 10:51
Operator : RC/JU
Sample : PB168234BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168234BS

Quant Time: Jun 11 11:39:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 11 05:56:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	83192	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	318279	20.000	ng	0.00
39) Acenaphthene-d10	9.934	164	176454	20.000	ng	0.00
64) Phenanthrene-d10	11.428	188	298489	20.000	ng	0.00
76) Chrysene-d12	14.069	240	155305	20.000	ng	0.00
86) Perylene-d12	15.563	264	159844	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	584197	119.599	ng	0.02
7) Phenol-d6	6.528	99	691853	120.354	ng	0.00
23) Nitrobenzene-d5	7.457	82	441985	75.999	ng	0.00
42) 2,4,6-Tribromophenol	10.728	330	238472	123.311	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	984029	74.089	ng	0.00
79) Terphenyl-d14	13.010	244	911215	80.583	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.763	88	68122	35.240	ng	99
3) Pyridine	3.516	79	188401	38.870	ng	100
4) n-Nitrosodimethylamine	3.475	42	107977	43.540	ng	100
6) Aniline	6.557	93	201688	26.214	ng	96
8) 2-Chlorophenol	6.675	128	236557	44.316	ng	100
9) Benzaldehyde	6.440	77	116066	32.604	ng	98
10) Phenol	6.540	94	269986	42.254	ng	95
11) bis(2-Chloroethyl)ether	6.628	93	206382	43.243	ng	100
12) 1,3-Dichlorobenzene	6.834	146	256435	42.095	ng	99
13) 1,4-Dichlorobenzene	6.910	146	258872	42.048	ng	100
14) 1,2-Dichlorobenzene	7.063	146	246901	41.837	ng	99
15) Benzyl Alcohol	7.034	79	196868	45.311	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.163	45	313231	41.685	ng	90
17) 2-Methylphenol	7.145	107	184321	45.042	ng	99
18) Hexachloroethane	7.404	117	92683	42.008	ng	98
19) n-Nitroso-di-n-propyla...	7.310	70	156371	42.729	ng	99
20) 3+4-Methylphenols	7.298	107	229683	44.520	ng	98
22) Acetophenone	7.304	105	311295	43.969	ng	98
24) Nitrobenzene	7.475	77	232002	44.948	ng	97
25) Isophorone	7.716	82	428493	43.516	ng	99
26) 2-Nitrophenol	7.793	139	133453	46.328	ng	99
27) 2,4-Dimethylphenol	7.828	122	219710	44.798	ng	99
28) bis(2-Chloroethoxy)met...	7.922	93	270365	44.224	ng	99
29) 2,4-Dichlorophenol	8.034	162	208108	45.979	ng	98
30) 1,2,4-Trichlorobenzene	8.116	180	218563	43.700	ng	99
31) Naphthalene	8.198	128	689361	43.794	ng	99
32) Benzoic acid	7.957	122	138145	50.015	ng	100
33) 4-Chloroaniline	8.245	127	65521m	10.367	ng	
34) Hexachlorobutadiene	8.316	225	138408	43.427	ng	99
35) Caprolactam	8.622	113	62727m	51.341	ng	
36) 4-Chloro-3-methylphenol	8.734	107	212482	45.148	ng	100
37) 2-Methylnaphthalene	8.892	142	438004	43.962	ng	100
38) 1-Methylnaphthalene	8.992	142	450044	43.604	ng	98
40) 1,2,4,5-Tetrachloroben...	9.057	216	222525	43.572	ng	99
41) Hexachlorocyclopentadiene	9.045	237	288961	88.156	ng	98
43) 2,4,6-Trichlorophenol	9.169	196	154341	46.686	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142726.D
Acq On : 11 Jun 2025 10:51
Operator : RC/JU
Sample : PB168234BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168234BS

Quant Time: Jun 11 11:39:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 11 05:56:09 2025
Response via : Initial Calibration

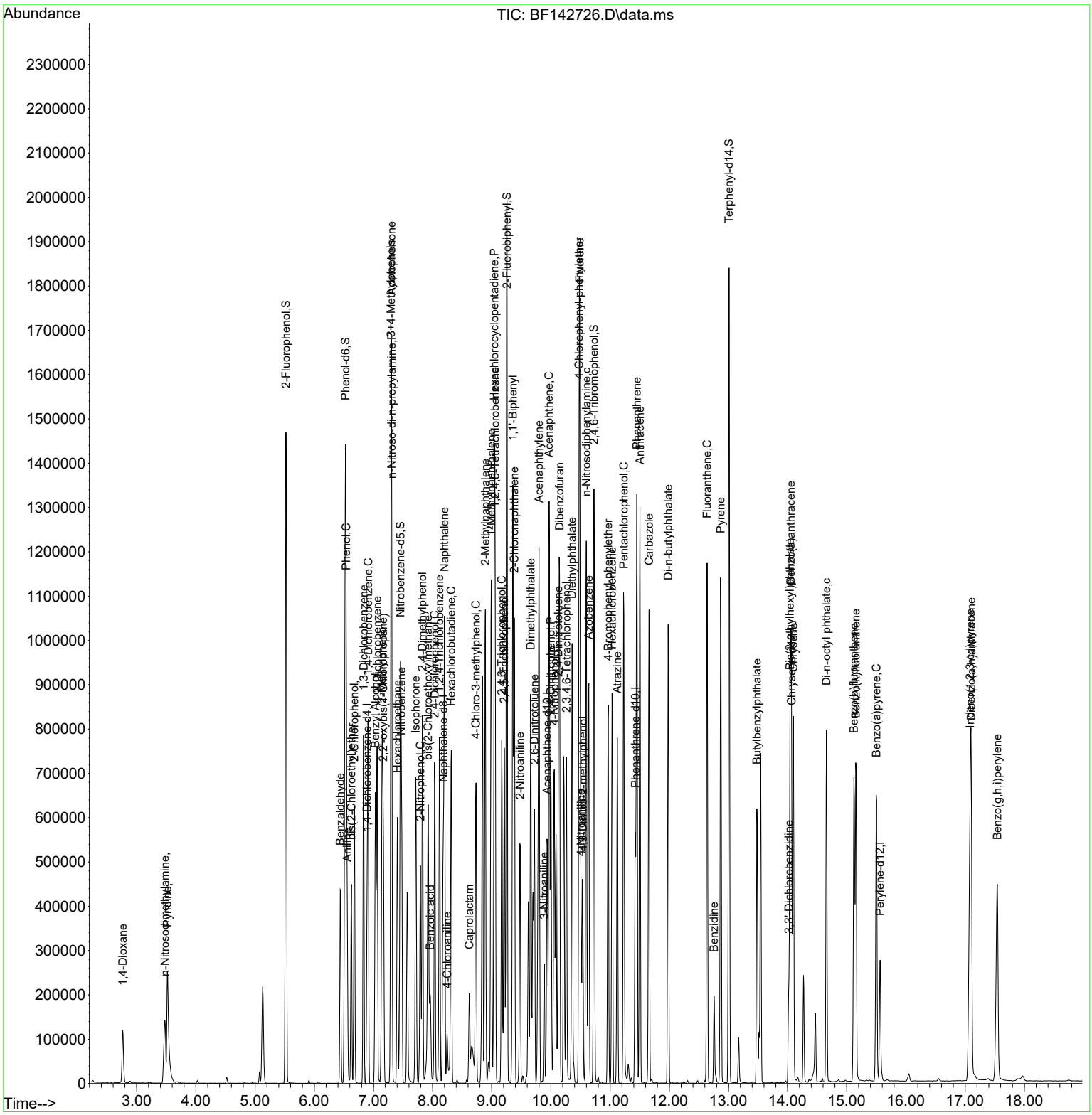
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	160942	45.074	ng	97
46) 1,1'-Biphenyl	9.357	154	606260	44.246	ng	100
47) 2-Chloronaphthalene	9.381	162	443000	43.885	ng	100
48) 2-Nitroaniline	9.475	65	130604	45.490	ng	100
49) Acenaphthylene	9.798	152	751339	44.143	ng	100
50) Dimethylphthalate	9.657	163	544106	46.176	ng	100
51) 2,6-Dinitrotoluene	9.722	165	116765	45.850	ng	97
52) Acenaphthene	9.969	154	521862m	49.451	ng	
53) 3-Nitroaniline	9.886	138	62297	22.553	ng	100
54) 2,4-Dinitrophenol	9.998	184	152241	109.132	ng	92
55) Dibenzofuran	10.145	168	661023	43.987	ng	99
56) 4-Nitrophenol	10.057	139	185324	98.923	ng	99
57) 2,4-Dinitrotoluene	10.128	165	160597	47.695	ng	96
58) Fluorene	10.486	166	523139	44.083	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.263	232	136952	45.590	ng	99
60) Diethylphthalate	10.357	149	541870	46.377	ng	100
61) 4-Chlorophenyl-phenyle...	10.475	204	254023	43.831	ng	100
62) 4-Nitroaniline	10.510	138	114731	46.428	ng	99
63) Azobenzene	10.639	77	458707	44.952	ng	98
65) 4,6-Dinitro-2-methylph...	10.539	198	92727	49.608	ng	96
66) n-Nitrosodiphenylamine	10.598	169	457115	44.552	ng	99
67) 4-Bromophenyl-phenylether	10.969	248	159695	45.325	ng	99
68) Hexachlorobenzene	11.033	284	175582	44.895	ng	100
69) Atrazine	11.122	200	137490	50.262	ng	99
70) Pentachlorophenol	11.233	266	194889	95.063	ng	98
71) Phenanthrene	11.451	178	716195	44.787	ng	100
72) Anthracene	11.504	178	733408	44.335	ng	100
73) Carbazole	11.657	167	636667	45.973	ng	100
74) Di-n-butylphthalate	11.980	149	755120	48.831	ng	99
75) Fluoranthene	12.639	202	691241	45.459	ng	99
77) Benzidine	12.757	184	118967	21.509	ng	99
78) Pyrene	12.869	202	679006	47.047	ng	100
80) Butylbenzylphthalate	13.480	149	213703	50.072	ng	100
81) Benzo(a)anthracene	14.057	228	466488	45.327	ng	99
82) 3,3'-Dichlorobenzidine	14.022	252	65244	19.659	ng	99
83) Chrysene	14.098	228	434351	45.712	ng	100
84) Bis(2-ethylhexyl)phtha...	14.039	149	297822	46.498	ng	99
85) Di-n-octyl phthalate	14.657	149	552324	44.947	ng	100
87) Indeno(1,2,3-cd)pyrene	17.086	276	552121	46.611	ng	100
88) Benzo(b)fluoranthene	15.121	252	466805	49.597	ng	100
89) Benzo(k)fluoranthene	15.151	252	405150	44.366	ng	99
90) Benzo(a)pyrene	15.504	252	427694	47.794	ng	99
91) Dibenzo(a,h)anthracene	17.104	278	461373	47.702	ng	99
92) Benzo(g,h,i)perylene	17.545	276	443588	46.121	ng	100

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142726.D
Acq On : 11 Jun 2025 10:51
Operator : RC/JU
Sample : PB168234BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168234BS

Quant Time: Jun 11 11:39:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 11 05:56:09 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060425\
Data File : BF142605.D
Acq On : 04 Jun 2025 14:08
Operator : RC/JU
Sample : Q2159-01MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP05-MHO-WCMS

Quant Time: Jun 04 14:30:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	119687	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	441391	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	218918	20.000	ng	0.00
64) Phenanthrene-d10	11.428	188	322457	20.000	ng	0.00
76) Chrysene-d12	14.069	240	216030	20.000	ng	0.00
86) Perylene-d12	15.563	264	272895	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	530843	74.723	ng	0.00
7) Phenol-d6	6.528	99	650114	76.022	ng	0.00
23) Nitrobenzene-d5	7.457	82	383796	47.414	ng	-0.02
42) 2,4,6-Tribromophenol	10.728	330	169656	69.826	ng	-0.01
45) 2-Fluorobiphenyl	9.251	172	742665	45.522	ng	-0.02
79) Terphenyl-d14	13.004	244	556976	35.233	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	2.740	88	118790	41.787	ng	98
3) Pyridine	3.499	79	316918	43.778	ng	99
4) n-Nitrosodimethylamine	3.452	42	168372	44.795	ng	92
6) Aniline	6.557	93	298846	25.990	ng	95
8) 2-Chlorophenol	6.681	128	347349	44.889	ng	98
9) Benzaldehyde	6.446	77	189343	36.812	ng	99
10) Phenol	6.540	94	415471	43.177	ng	99
11) bis(2-Chloroethyl)ether	6.628	93	314166	45.357	ng	100
12) 1,3-Dichlorobenzene	6.840	146	380249	44.039	ng	98
13) 1,4-Dichlorobenzene	6.916	146	383221	44.061	ng	98
14) 1,2-Dichlorobenzene	7.069	146	367896	44.206	ng	99
15) Benzyl Alcohol	7.034	79	274957	43.508	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.169	45	509267	43.781	ng	98
17) 2-Methylphenol	7.151	107	263331	43.588	ng	99
18) Hexachloroethane	7.410	117	132286	43.558	ng	99
19) n-Nitroso-di-n-propyla...	7.304	70	218117	41.155	ng	100
20) 3+4-Methylphenols	7.304	107	321533	41.561	ng	92
22) Acetophenone	7.304	105	437089	44.733	ng	98
24) Nitrobenzene	7.481	77	331446	45.400	ng	99
25) Isophorone	7.716	82	591291	43.690	ng	99
26) 2-Nitrophenol	7.792	139	184427	47.277	ng	98
27) 2,4-Dimethylphenol	7.834	122	298005	43.318	ng	98
28) bis(2-Chloroethoxy)met...	7.928	93	383925	45.412	ng	99
29) 2,4-Dichlorophenol	8.040	162	282004	45.075	ng	99
30) 1,2,4-Trichlorobenzene	8.122	180	308170	45.387	ng	98
31) Naphthalene	8.204	128	976775	44.943	ng	100
32) Benzoic acid	7.945	122	191636m	45.762	ng	
33) 4-Chloroaniline	8.245	127	104729	11.892	ng	99
34) Hexachlorobutadiene	8.316	225	188185	44.388	ng	99
35) Caprolactam	8.616	113	81967	46.648	ng	95
36) 4-Chloro-3-methylphenol	8.734	107	274424	42.801	ng	96
37) 2-Methylnaphthalene	8.892	142	599114	43.817	ng	100
38) 1-Methylnaphthalene	8.992	142	615699	43.533	ng	99
40) 1,2,4,5-Tetrachloroben...	9.063	216	301267	47.940	ng	99
41) Hexachlorocyclopentadiene	9.045	237	342158	80.712	ng	99
43) 2,4,6-Trichlorophenol	9.169	196	200860	47.400	ng	96

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060425\
Data File : BF142605.D
Acq On : 04 Jun 2025 14:08
Operator : RC/JU
Sample : Q2159-01MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP05-MHO-WCMS

Quant Time: Jun 04 14:30:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

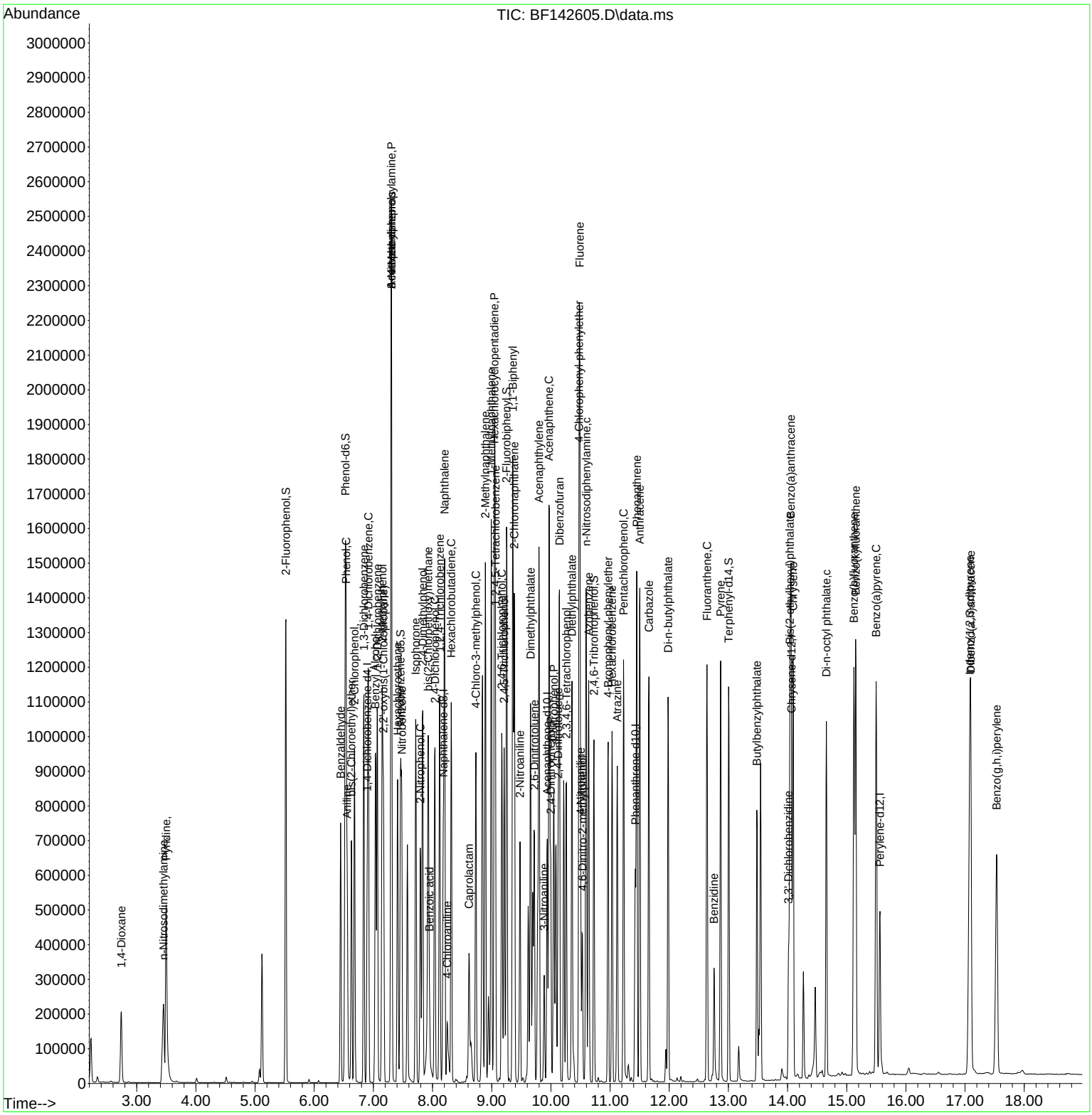
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	203775	45.596	ng	99
46) 1,1'-Biphenyl	9.357	154	804636	47.376	ng	100
47) 2-Chloronaphthalene	9.381	162	585929	46.693	ng	99
48) 2-Nitroaniline	9.475	65	167615	46.213	ng	98
49) Acenaphthylene	9.798	152	968879	45.726	ng	100
50) Dimethylphthalate	9.657	163	658805	45.608	ng	100
51) 2,6-Dinitrotoluene	9.722	165	141451	45.371	ng	96
52) Acenaphthene	9.969	154	628871	48.604	ng	99
53) 3-Nitroaniline	9.886	138	71689	21.053	ng	97
54) 2,4-Dinitrophenol	9.998	184	133984	83.183	ng	91
55) Dibenzofuran	10.145	168	836285	44.916	ng	98
56) 4-Nitrophenol	10.051	139	214603	85.412	ng	96
57) 2,4-Dinitrotoluene	10.122	165	189139	46.454	ng	99
58) Fluorene	10.486	166	634376	44.103	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.263	232	160270	42.958	ng	98
60) Diethylphthalate	10.357	149	623187	44.174	ng	99
61) 4-Chlorophenyl-phenyle...	10.475	204	311030	44.018	ng	98
62) 4-Nitroaniline	10.504	138	131676	42.636	ng	96
63) Azobenzene	10.639	77	574383	45.330	ng	97
65) 4,6-Dinitro-2-methylph...	10.533	198	85367	47.438	ng	96
66) n-Nitrosodiphenylamine	10.598	169	538608	48.823	ng	99
67) 4-Bromophenyl-phenylether	10.969	248	186780	48.987	ng	96
68) Hexachlorobenzene	11.033	284	199393	47.282	ng	99
69) Atrazine	11.122	200	155307	53.010	ng	99
70) Pentachlorophenol	11.228	266	206465	86.718	ng	99
71) Phenanthrene	11.451	178	789897	45.837	ng	100
72) Anthracene	11.504	178	808547	45.973	ng	99
73) Carbazole	11.657	167	685918	45.620	ng	100
74) Di-n-butylphthalate	11.980	149	806869	49.027	ng	100
75) Fluoranthene	12.639	202	702745	43.643	ng	99
77) Benzidine	12.757	184	198259	24.662	ng	99
78) Pyrene	12.869	202	706356	35.051	ng	100
80) Butylbenzylphthalate	13.480	149	265980	47.765	ng	99
81) Benzo(a)anthracene	14.057	228	657910	45.607	ng	99
82) 3,3'-Dichlorobenzidine	14.016	252	114456	26.159	ng	98
83) Chrysene	14.092	228	616958	47.597	ng	99
84) Bis(2-ethylhexyl)phtha...	14.039	149	374143	52.486	ng	99
85) Di-n-octyl phthalate	14.657	149	697516	50.043	ng	100
87) Indeno(1,2,3-cd)pyrene	17.080	276	790401	38.580	ng	99
88) Benzo(b)fluoranthene	15.121	252	817498	50.615	ng	99
89) Benzo(k)fluoranthene	15.151	252	663669	43.872	ng	98
90) Benzo(a)pyrene	15.498	252	725008	47.622	ng	99
91) Dibenzo(a,h)anthracene	17.098	278	643765	38.743	ng	99
92) Benzo(g,h,i)perylene	17.533	276	596123	35.868	ng	97

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060425\
Data File : BF142605.D
Acq On : 04 Jun 2025 14:08
Operator : RC/JU
Sample : Q2159-01MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP05-MHO-WCMS

Quant Time: Jun 04 14:30:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060425\
Data File : BF142606.D
Acq On : 04 Jun 2025 14:38
Operator : RC/JU
Sample : Q2159-01MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP05-MHO-WCMSD

Quant Time: Jun 04 15:05:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	117119	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	429653	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	207287	20.000	ng	0.00
64) Phenanthrene-d10	11.421	188	289513	20.000	ng	-0.01
76) Chrysene-d12	14.068	240	207868	20.000	ng	0.00
86) Perylene-d12	15.562	264	274922	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	503033	72.361	ng	0.00
7) Phenol-d6	6.522	99	608782	72.750	ng	-0.01
23) Nitrobenzene-d5	7.457	82	360559	45.760	ng	-0.02
42) 2,4,6-Tribromophenol	10.727	330	150277	65.320	ng	-0.01
45) 2-Fluorobiphenyl	9.251	172	697253	45.136	ng	-0.02
79) Terphenyl-d14	13.004	244	493078	32.415	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	2.734	88	112206	40.336	ng	98
3) Pyridine	3.493	79	294977	41.640	ng	100
4) n-Nitrosodimethylamine	3.446	42	157867	42.921	ng	92
6) Aniline	6.557	93	290103	25.783	ng	97
8) 2-Chlorophenol	6.681	128	325299	42.961	ng	99
9) Benzaldehyde	6.445	77	176311	35.030	ng	99
10) Phenol	6.539	94	387871	41.193	ng	99
11) bis(2-Chloroethyl)ether	6.628	93	293970	43.371	ng	100
12) 1,3-Dichlorobenzene	6.839	146	354983	42.014	ng	98
13) 1,4-Dichlorobenzene	6.916	146	362483	42.591	ng	99
14) 1,2-Dichlorobenzene	7.069	146	349177	42.876	ng	99
15) Benzyl Alcohol	7.034	79	255956	41.390	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.169	45	479366	42.114	ng	98
17) 2-Methylphenol	7.145	107	244760	41.402	ng	100
18) Hexachloroethane	7.410	117	125719	42.303	ng	99
19) n-Nitroso-di-n-propyla...	7.304	70	205003	39.528	ng	100
20) 3+4-Methylphenols	7.298	107	301702	39.853	ng	97
22) Acetophenone	7.304	105	407703	42.866	ng	98
24) Nitrobenzene	7.481	77	309931	43.612	ng	98
25) Isophorone	7.716	82	554934	42.124	ng	99
26) 2-Nitrophenol	7.792	139	171622	45.196	ng	98
27) 2,4-Dimethylphenol	7.833	122	271650	40.566	ng	99
28) bis(2-Chloroethoxy)met...	7.928	93	355801	43.235	ng	98
29) 2,4-Dichlorophenol	8.039	162	265245	43.555	ng	99
30) 1,2,4-Trichlorobenzene	8.122	180	289455	43.796	ng	98
31) Naphthalene	8.204	128	913570	43.183	ng	99
32) Benzoic acid	7.939	122	168301	41.288	ng	96
33) 4-Chloroaniline	8.245	127	85937	10.025	ng	100
34) Hexachlorobutadiene	8.316	225	175291	42.476	ng	99
35) Caprolactam	8.616	113	75256	43.999	ng	98
36) 4-Chloro-3-methylphenol	8.733	107	251467	40.292	ng	96
37) 2-Methylnaphthalene	8.892	142	555494	41.736	ng	100
38) 1-Methylnaphthalene	8.992	142	568389	41.286	ng	100
40) 1,2,4,5-Tetrachloroben...	9.057	216	281606	47.326	ng	99
41) Hexachlorocyclopentadiene	9.045	237	317173	79.016	ng	100
43) 2,4,6-Trichlorophenol	9.169	196	185819	46.311	ng	97

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060425\
Data File : BF142606.D
Acq On : 04 Jun 2025 14:38
Operator : RC/JU
Sample : Q2159-01MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP05-MHO-WCMSD

Quant Time: Jun 04 15:05:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

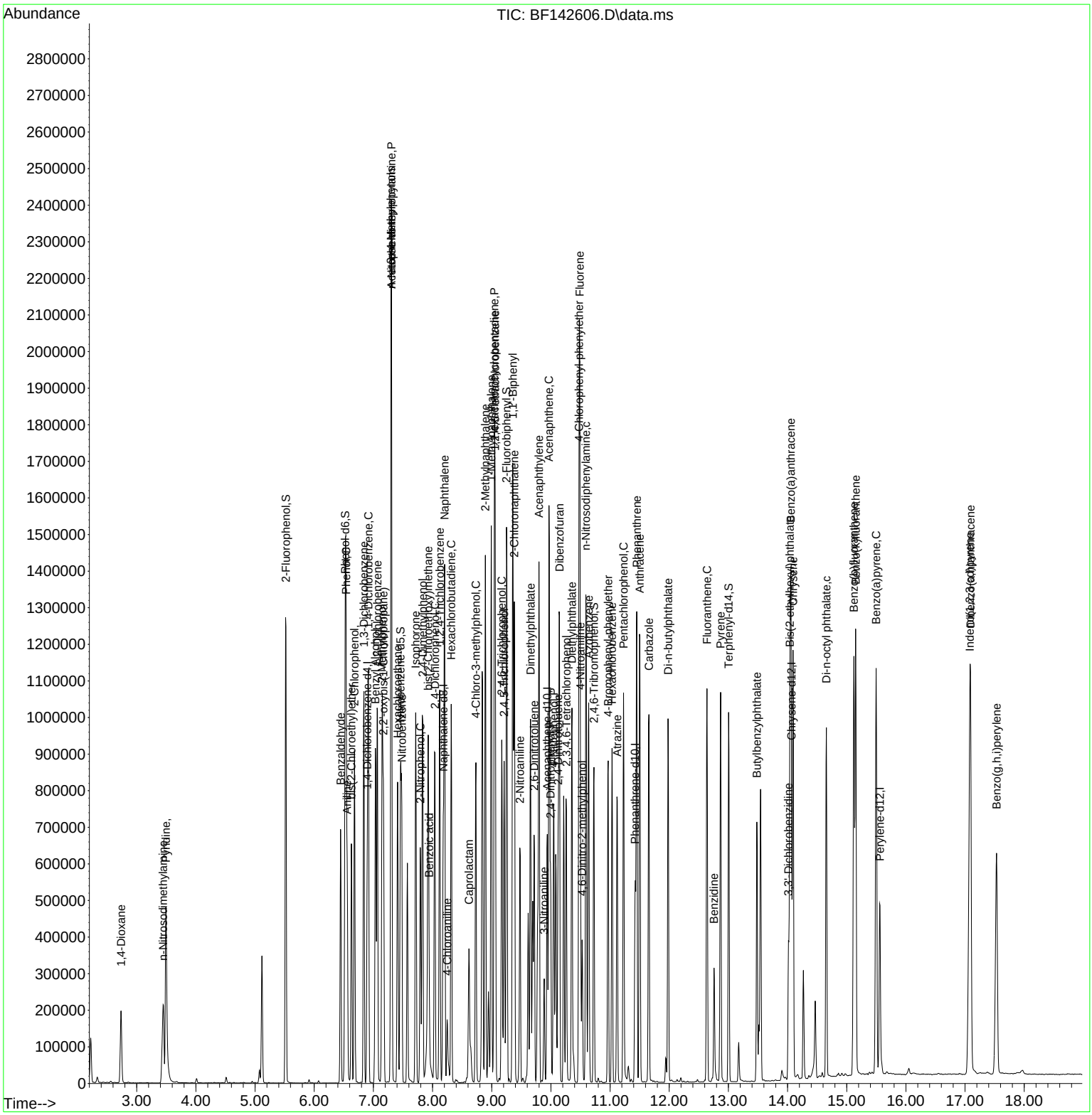
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44)	2,4,5-Trichlorophenol	9.210	196	182412	43.106	ng	98
46)	1,1'-Biphenyl	9.357	154	741150	46.086	ng	99
47)	2-Chloronaphthalene	9.380	162	542733	45.678	ng	99
48)	2-Nitroaniline	9.475	65	149998	43.676	ng	99
49)	Acenaphthylene	9.798	152	884211	44.071	ng	100
50)	Dimethylphthalate	9.657	163	597235	43.666	ng	100
51)	2,6-Dinitrotoluene	9.716	165	130411	44.177	ng	99
52)	Acenaphthene	9.969	154	566786	46.264	ng	100
53)	3-Nitroaniline	9.886	138	63685	19.751	ng	100
54)	2,4-Dinitrophenol	9.992	184	117271	76.892	ng	94
55)	Dibenzofuran	10.145	168	766850	43.498	ng	97
56)	4-Nitrophenol	10.051	139	188095	79.063	ng	96
57)	2,4-Dinitrotoluene	10.122	165	168682	43.754	ng	100
58)	Fluorene	10.486	166	572933	42.066	ng	99
59)	2,3,4,6-Tetrachlorophenol	10.263	232	143474	40.613	ng	98
60)	Diethylphthalate	10.357	149	559299	41.870	ng	99
61)	4-Chlorophenyl-phenyle...	10.475	204	279681	41.802	ng	98
62)	4-Nitroaniline	10.498	138	114406	39.123	ng	97
63)	Azobenzene	10.639	77	517652	43.145	ng	96
65)	4,6-Dinitro-2-methylph...	10.527	198	74396	46.046	ng	98
66)	n-Nitrosodiphenylamine	10.592	169	485968	49.064	ng	99
67)	4-Bromophenyl-phenylether	10.969	248	164283	47.990	ng	97
68)	Hexachlorobenzene	11.033	284	177585	46.903	ng	99
69)	Atrazine	11.122	200	134893	51.281	ng	99
70)	Pentachlorophenol	11.227	266	179072	83.771	ng	99
71)	Phenanthrene	11.451	178	699348	45.200	ng	100
72)	Anthracene	11.504	178	713117	45.161	ng	100
73)	Carbazole	11.657	167	609293	45.135	ng	99
74)	Di-n-butylphthalate	11.980	149	707550	47.884	ng	99
75)	Fluoranthene	12.639	202	621123	42.963	ng	99
77)	Benzidine	12.757	184	184313	23.827	ng	99
78)	Pyrene	12.868	202	626053	32.286	ng	100
80)	Butylbenzylphthalate	13.480	149	239908	44.775	ng	99
81)	Benzo(a)anthracene	14.057	228	615470	44.341	ng	99
82)	3,3'-Dichlorobenzidine	14.015	252	114751	27.256	ng	98
83)	Chrysene	14.092	228	572386	45.892	ng	99
84)	Bis(2-ethylhexyl)phtha...	14.039	149	337322	49.178	ng	99
85)	Di-n-octyl phthalate	14.657	149	661412	49.316	ng	99
87)	Indeno(1,2,3-cd)pyrene	17.080	276	749576	36.318	ng	98
88)	Benzo(b)fluoranthene	15.121	252	708411	43.538	ng	98
89)	Benzo(k)fluoranthene	15.151	252	711519	46.688	ng	98
90)	Benzo(a)pyrene	15.498	252	700899	45.699	ng	99
91)	Dibenzo(a,h)anthracene	17.092	278	616586	36.834	ng	98
92)	Benzo(g,h,i)perylene	17.533	276	554788	33.135	ng	98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060425\
Data File : BF142606.D
Acq On : 04 Jun 2025 14:38
Operator : RC/JU
Sample : Q2159-01MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP05-MHO-WCMSD

Quant Time: Jun 04 15:05:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration



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Manual Integration Report

Sequence:	bf052025	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC010	BF142469.D	Benzoic acid	Rahul	5/21/2025 2:07:30 PM	Jagrut	5/21/2025 4:43:55 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BF060425	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF142602.D	Benzoic acid	Rahul	6/5/2025 11:49:24 AM	Jagrut	6/5/2025 1:15:26 PM	Peak Integrated by Software
Q2159-01MS	BF142605.D	Benzoic acid	Rahul	6/5/2025 11:49:26 AM	Jagrut	6/5/2025 1:15:28 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BF060625	Instrument	BNA_f

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

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

Manual Integration Report

Sequence:	BF061125	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC010	BF142714.D	2,3,4,6-Tetrachlorophenol	Rahul	6/11/2025 9:18:06 AM	Jagrut	6/11/2025 9:58:06 AM	Peak Integrated by Software
SSTDICC080	BF142719.D	Caprolactam	Rahul	6/11/2025 9:18:10 AM	Jagrut	6/11/2025 9:58:02 AM	Peak Integrated by Software
PB168234BS	BF142726.D	4-Chloroaniline	anahy	6/12/2025 9:39:14 AM	Jagrut	6/12/2025 11:37:34 AM	Peak Integrated by Software
PB168234BS	BF142726.D	Acenaphthene	anahy	6/12/2025 9:39:14 AM	Jagrut	6/12/2025 11:37:34 AM	Peak Integrated by Software
PB168234BS	BF142726.D	Caprolactam	anahy	6/12/2025 9:39:14 AM	Jagrut	6/12/2025 11:37:34 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BF061225	Instrument	BNA_f

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

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Manual Integration Report

Sequence:	BP060625	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BP024861.D	2,3,4,6-Tetrachlorophenol	Rahul	6/9/2025 10:51:15 AM	Jagrut	6/9/2025 12:08:47 PM	Peak Integrated by Software
SSTDICC005	BP024861.D	4-Nitroaniline	Rahul	6/9/2025 10:51:15 AM	Jagrut	6/9/2025 12:08:47 PM	Peak Integrated by Software
SSTDICC010	BP024862.D	Benzaldehyde	Rahul	6/9/2025 10:51:18 AM	Jagrut	6/9/2025 12:08:50 PM	Peak Integrated by Software
SSTDICC010	BP024862.D	Benzo(b)fluoranthene	Rahul	6/9/2025 10:51:18 AM	Jagrut	6/9/2025 12:08:50 PM	Peak Integrated by Software
SSTDICC010	BP024862.D	Benzoic acid	Rahul	6/9/2025 10:51:18 AM	Jagrut	6/9/2025 12:08:50 PM	Peak Integrated by Software
SSTDICC020	BP024863.D	Benzaldehyde	Rahul	6/9/2025 10:51:20 AM	Jagrut	6/9/2025 12:08:52 PM	Peak Integrated by Software
SSTDICV040	BP024868.D	Benzaldehyde	Rahul	6/9/2025 10:51:26 AM	Jagrut	6/9/2025 12:08:55 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BP061025	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2176-04	BP024901.D	Benzo(k)fluoranthene	anahy	6/11/2025 9:25:27 AM	Jagrut	6/11/2025 9:55:01 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BP061125	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BP024905.D	4-Nitroaniline	anahy	6/12/2025 9:29:15 AM	mohammad	6/13/2025 9:04:12 AM	Peak Integrated by Software
SSTDCCC040	BP024905.D	Indeno(1,2,3-cd)pyrene	anahy	6/12/2025 9:29:15 AM	mohammad	6/13/2025 9:04:12 AM	Peak Integrated by Software

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF052025

Review By	Rahul	Review On	5/21/2025 2:52:20 PM				
Supervise By	Jagrut	Supervise On	5/21/2025 4:44:06 PM				
SubDirectory	BF052025	HP Acquire Method	BNA_F		HP Processing Method	bf052025	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12665,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF142465.D	20 May 2025 11:13	RC/JU	Ok
2	SSTDCCC040	BF142466.D	20 May 2025 11:41	RC/JU	Not Ok
3	SSTDICC2.5	BF142467.D	20 May 2025 12:10	RC/JU	Ok
4	SSTDICC005	BF142468.D	20 May 2025 12:38	RC/JU	Ok
5	SSTDICC010	BF142469.D	20 May 2025 13:07	RC/JU	Ok,M
6	SSTDICC020	BF142470.D	20 May 2025 13:36	RC/JU	Ok
7	SSTDICCC040	BF142471.D	20 May 2025 14:05	RC/JU	Ok
8	SSTDICC050	BF142472.D	20 May 2025 14:34	RC/JU	Ok
9	SSTDICC060	BF142473.D	20 May 2025 15:03	RC/JU	Ok
10	SSTDICC080	BF142474.D	20 May 2025 15:31	RC/JU	Ok
11	SSTDICV040	BF142475.D	20 May 2025 16:31	RC/JU	Ok
12	PB168067TB	BF142476.D	20 May 2025 17:29	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF060425

Review By	Rahul	Review On	6/5/2025 11:49:57 AM				
Supervise By	Jagrut	Supervise On	6/5/2025 1:15:58 PM				
SubDirectory	BF060425	HP Acquire Method	BNA_F		HP Processing Method	bf052025	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12667,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF142601.D	04 Jun 2025 11:59	RC/JU	Ok
2	SSTDCCC040	BF142602.D	04 Jun 2025 12:27	RC/JU	Ok,M
3	PB168234BL	BF142603.D	04 Jun 2025 13:05	RC/JU	Ok
4	Q2159-01	BF142604.D	04 Jun 2025 13:39	RC/JU	Ok
5	Q2159-01MS	BF142605.D	04 Jun 2025 14:08	RC/JU	Ok,M
6	Q2159-01MSD	BF142606.D	04 Jun 2025 14:38	RC/JU	Ok
7	Q2160-05	BF142607.D	04 Jun 2025 15:17	RC/JU	Ok
8	Q2172-01	BF142608.D	04 Jun 2025 15:47	RC/JU	Ok
9	Q2160-01	BF142609.D	04 Jun 2025 16:17	RC/JU	Ok
10	Q2159-04	BF142610.D	04 Jun 2025 16:47	RC/JU	Ok
11	Q2160-04	BF142611.D	04 Jun 2025 17:17	RC/JU	Ok
12	Q2160-08	BF142612.D	04 Jun 2025 17:48	RC/JU	Ok
13	Q2173-06	BF142613.D	04 Jun 2025 18:18	RC/JU	Ok
14	Q2173-12	BF142614.D	04 Jun 2025 18:47	RC/JU	Ok
15	Q2173-18	BF142615.D	04 Jun 2025 19:17	RC/JU	Ok
16	Q2173-07	BF142616.D	04 Jun 2025 19:47	RC/JU	Ok,M
17	Q2173-13	BF142617.D	04 Jun 2025 20:17	RC/JU	Ok,M
18	Q2173-01	BF142618.D	04 Jun 2025 20:47	RC/JU	Ok,M
19	Q2172-04	BF142619.D	04 Jun 2025 21:17	RC/JU	Ok
20	Q2185-04	BF142620.D	04 Jun 2025 21:46	RC/JU	Ok
21	Q2185-08	BF142621.D	04 Jun 2025 22:16	RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF060425

Review By	Rahul	Review On	6/5/2025 11:49:57 AM				
Supervise By	Jagrut	Supervise On	6/5/2025 1:15:58 PM				
SubDirectory	BF060425	HP Acquire Method	BNA_F		HP Processing Method	bf052025	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12667,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2182-01	BF142622.D	04 Jun 2025 22:45	RC/JU	Ok,M
23	Q2178-01	BF142623.D	04 Jun 2025 23:15	RC/JU	Dilution

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF060625

Review By	Rahul	Review On	6/9/2025 11:32:18 AM				
Supervise By	Jagrut	Supervise On	6/9/2025 12:07:45 PM				
SubDirectory	BF060625	HP Acquire Method	BNA_F		HP Processing Method	bf052025	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12667,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF142639.D	06 Jun 2025 11:01	RC/JU	Ok
2	SSTDCCC040	BF142640.D	06 Jun 2025 11:36	RC/JU	Ok
3	PB168259BL	BF142641.D	06 Jun 2025 12:06	RC/JU	Ok
4	Q2185-01	BF142642.D	06 Jun 2025 12:54	RC/JU	Ok
5	Q2207-37	BF142643.D	06 Jun 2025 13:24	RC/JU	Ok
6	Q2207-37MS	BF142644.D	06 Jun 2025 13:54	RC/JU	Ok
7	Q2207-37MSD	BF142645.D	06 Jun 2025 14:25	RC/JU	Ok
8	Q2219-01	BF142646.D	06 Jun 2025 14:58	RC/JU	Ok,M
9	Q2214-01	BF142647.D	06 Jun 2025 15:29	RC/JU	Ok
10	Q2208-19	BF142648.D	06 Jun 2025 16:00	RC/JU	Ok
11	Q2207-28	BF142649.D	06 Jun 2025 16:30	RC/JU	Ok
12	Q2176-07	BF142650.D	06 Jun 2025 17:01	RC/JU	Ok
13	Q2198-01	BF142651.D	06 Jun 2025 17:31	RC/JU	Ok
14	Q2177-04	BF142652.D	06 Jun 2025 18:01	RC/JU	Ok
15	Q2198-05	BF142653.D	06 Jun 2025 18:31	RC/JU	Ok
16	Q2207-10	BF142654.D	06 Jun 2025 19:02	RC/JU	Ok
17	Q2207-19	BF142655.D	06 Jun 2025 19:32	RC/JU	Ok
18	Q2208-10	BF142656.D	06 Jun 2025 20:02	RC/JU	Ok
19	Q2208-01	BF142657.D	06 Jun 2025 20:32	RC/JU	Ok
20	Q2177-08	BF142658.D	06 Jun 2025 21:02	RC/JU	Ok
21	Q2242-01	BF142659.D	06 Jun 2025 21:32	RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF060625

Review By	Rahul	Review On	6/9/2025 11:32:18 AM		
Supervise By	Jagrut	Supervise On	6/9/2025 12:07:45 PM		
SubDirectory	BF060625	HP Acquire Method	BNA_F	HP Processing Method	bf052025

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12667,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2202-03	BF142660.D	06 Jun 2025 22:01	RC/JU	Dilution
23	Q2176-01	BF142661.D	06 Jun 2025 22:31	RC/JU	Ok
24	Q2208-28	BF142662.D	06 Jun 2025 23:01	RC/JU	Ok
25	DFTPP	BF142663.D	07 Jun 2025 00:32	RC/JU	Ok
26	SSTDCCC040	BF142664.D	07 Jun 2025 01:38	RC/JU	Ok
27	PB168300BL	BF142665.D	07 Jun 2025 02:08	RC/JU	Not Ok
28	PB168300BS	BF142666.D	07 Jun 2025 02:38	RC/JU	Not Ok
29	Q2226-01	BF142667.D	07 Jun 2025 03:08	RC/JU	ReRun
30	Q2207-01	BF142668.D	07 Jun 2025 03:38	RC/JU	ReRun
31	Q2198-03	BF142669.D	07 Jun 2025 04:08	RC/JU	ReRun
32	Q2176-03	BF142670.D	07 Jun 2025 04:38	RC/JU	ReRun
33	Q2176-05	BF142671.D	07 Jun 2025 05:07	RC/JU	ReRun
34	Q2125-07	BF142672.D	07 Jun 2025 05:36	RC/JU	ReRun
35	Q2176-02	BF142673.D	07 Jun 2025 06:05	RC/JU	ReRun
36	Q2227-01	BF142674.D	07 Jun 2025 06:35	RC/JU	ReRun
37	Q2228-01	BF142675.D	07 Jun 2025 07:03	RC/JU	ReRun
38	Q2241-01	BF142676.D	07 Jun 2025 07:32	RC/JU	ReRun
39	Q2241-05	BF142677.D	07 Jun 2025 08:02	RC/JU	ReRun
40	Q2244-01	BF142678.D	07 Jun 2025 08:31	RC/JU	ReRun
41	Q2244-01MS	BF142679.D	07 Jun 2025 09:00	RC/JU	Not Ok
42	Q2244-01MSD	BF142680.D	07 Jun 2025 09:29	RC/JU	Not Ok
43	Q2223-01	BF142681.D	07 Jun 2025 09:58	RC/JU	ReRun
44	Q2223-03	BF142682.D	07 Jun 2025 10:27	RC/JU	ReRun

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF060625

Review By	Rahul	Review On	6/9/2025 11:32:18 AM				
Supervise By	Jagrut	Supervise On	6/9/2025 12:07:45 PM				
SubDirectory	BF060625	HP Acquire Method	BNA_F		HP Processing Method	bf052025	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12667,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

45	Q2224-01	BF142683.D	07 Jun 2025 10:57	RC/JU	ReRun
46	Q2225-01	BF142684.D	07 Jun 2025 11:26	RC/JU	ReRun
47	Q2206-01	BF142685.D	07 Jun 2025 11:54	RC/JU	ReRun
48	Q2195-01	BF142686.D	07 Jun 2025 12:23	RC/JU	ReRun

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF061125

Review By	Rahul	Review On	6/11/2025 9:54:45 AM				
Supervise By	Jagrut	Supervise On	6/11/2025 9:58:22 AM				
SubDirectory	BF061125	HP Acquire Method	BNA_F		HP Processing Method	BF061125	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12668,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF142710.D	10 Jun 2025 15:42	RC/JU	Ok
2	SSTDCCC040	BF142711.D	10 Jun 2025 16:11	RC/JU	Not Ok
3	SSTDICC2.5	BF142712.D	10 Jun 2025 16:54	RC/JU	Ok
4	SSTDICC005	BF142713.D	10 Jun 2025 17:24	RC/JU	Ok
5	SSTDICC010	BF142714.D	10 Jun 2025 17:53	RC/JU	Ok,M
6	SSTDICC020	BF142715.D	10 Jun 2025 18:22	RC/JU	Ok
7	SSTDICCC040	BF142716.D	10 Jun 2025 18:52	RC/JU	Ok
8	SSTDICC050	BF142717.D	10 Jun 2025 19:21	RC/JU	Ok
9	SSTDICC060	BF142718.D	10 Jun 2025 19:50	RC/JU	Ok
10	SSTDICC080	BF142719.D	10 Jun 2025 20:19	RC/JU	Ok,M
11	SSTDICV040	BF142720.D	10 Jun 2025 20:49	RC/JU	Ok
12	PB168323BL	BF142721.D	10 Jun 2025 21:47	RC/JU	Ok
13	DFTPP	BF142722.D	11 Jun 2025 08:56	RC/JU	Ok
14	SSTDCCC040	BF142723.D	11 Jun 2025 09:24	RC/JU	Ok
15	PB168376BL	BF142724.D	11 Jun 2025 09:53	RC/JU	Ok
16	PB168376BS	BF142725.D	11 Jun 2025 10:22	RC/JU	Ok,M
17	PB168234BS	BF142726.D	11 Jun 2025 10:51	RC/JU	Ok,M
18	PB168285BS	BF142727.D	11 Jun 2025 11:21	RC/JU	Ok,M
19	PB168285BSD	BF142728.D	11 Jun 2025 11:50	RC/JU	Ok,M
20	PB168378BS	BF142729.D	11 Jun 2025 12:19	RC/JU	Ok,M
21	PB168378BSD	BF142730.D	11 Jun 2025 12:49	RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF061125

Review By	Rahul	Review On	6/11/2025 9:54:45 AM		
Supervise By	Jagrut	Supervise On	6/11/2025 9:58:22 AM		
SubDirectory	BF061125	HP Acquire Method	BNA_F	HP Processing Method	BF061125

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12668,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	PB168378BL	BF142731.D	11 Jun 2025 13:18	RC/JU	Ok
23	Q2264-04	BF142732.D	11 Jun 2025 13:52	RC/JU	Ok
24	Q2268-10	BF142733.D	11 Jun 2025 14:21	RC/JU	Ok
25	Q2268-03	BF142734.D	11 Jun 2025 14:50	RC/JU	Dilution
26	Q2268-04MS	BF142735.D	11 Jun 2025 15:20	RC/JU	Ok,M
27	Q2268-05MSD	BF142736.D	11 Jun 2025 15:50	RC/JU	Ok
28	Q2268-06	BF142737.D	11 Jun 2025 16:19	RC/JU	Dilution
29	Q2268-07	BF142738.D	11 Jun 2025 16:49	RC/JU	Dilution
30	Q2268-08	BF142739.D	11 Jun 2025 17:19	RC/JU	Dilution
31	Q2273-01	BF142740.D	11 Jun 2025 17:49	RC/JU	Ok
32	Q2273-05	BF142741.D	11 Jun 2025 18:18	RC/JU	Ok
33	Q2273-05MS	BF142742.D	11 Jun 2025 18:48	RC/JU	Ok
34	Q2273-05MSD	BF142743.D	11 Jun 2025 19:18	RC/JU	Ok
35	Q2268-03DL	BF142744.D	11 Jun 2025 19:48	RC/JU	Ok
36	Q2268-03	BF142745.D	11 Jun 2025 20:17	RC/JU	Not Ok
37	Q2280-01	BF142746.D	11 Jun 2025 20:47	RC/JU	ReRun

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF061225

Review By	Rahul	Review On	6/13/2025 8:51:32 AM				
Supervise By	mohammad	Supervise On	6/13/2025 9:04:03 AM				
SubDirectory	BF061225	HP Acquire Method	BNA_F		HP Processing Method	BF061125	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12668,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF142747.D	12 Jun 2025 09:21	RC/JU	Ok
2	SSTDCCC040	BF142748.D	12 Jun 2025 09:50	RC/JU	Ok
3	PB168376BL	BF142749.D	12 Jun 2025 10:56	RC/JU	Ok
4	PB168259BS	BF142750.D	12 Jun 2025 11:25	RC/JU	Ok
5	PB168412BL	BF142751.D	12 Jun 2025 11:54	RC/JU	Ok
6	PB168412BS	BF142752.D	12 Jun 2025 12:24	RC/JU	Ok
7	Q2268-06DL	BF142753.D	12 Jun 2025 13:00	RC/JU	Ok
8	Q2268-07DL	BF142754.D	12 Jun 2025 13:29	RC/JU	Ok
9	Q2268-08DL	BF142755.D	12 Jun 2025 13:59	RC/JU	Ok
10	Q2280-01	BF142756.D	12 Jun 2025 14:29	RC/JU	Ok,M
11	Q2176-02	BF142757.D	12 Jun 2025 14:58	RC/JU	Ok
12	Q2287-01	BF142758.D	12 Jun 2025 15:28	RC/JU	Ok
13	Q2296-09	BF142759.D	12 Jun 2025 15:57	RC/JU	Ok
14	Q2296-09MS	BF142760.D	12 Jun 2025 16:27	RC/JU	Ok
15	Q2296-09MSD	BF142761.D	12 Jun 2025 16:57	RC/JU	Ok
16	Q2223-01	BF142762.D	12 Jun 2025 17:27	RC/JU	Ok
17	Q2223-03	BF142763.D	12 Jun 2025 17:57	RC/JU	Ok
18	Q2224-01	BF142764.D	12 Jun 2025 18:27	RC/JU	Ok,M
19	Q2225-01	BF142765.D	12 Jun 2025 18:57	RC/JU	Ok,M
20	Q2206-01	BF142766.D	12 Jun 2025 19:26	RC/JU	Ok,M
21	Q2195-01	BF142767.D	12 Jun 2025 19:56	RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF061225

Review By	Rahul	Review On	6/13/2025 8:51:32 AM				
Supervise By	mohammad	Supervise On	6/13/2025 9:04:03 AM				
SubDirectory	BF061225	HP Acquire Method	BNA_F		HP Processing Method	BF061125	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12668,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2283-01	BF142768.D	12 Jun 2025 20:26	RC/JU	Ok,M
23	Q2278-01	BF142769.D	12 Jun 2025 20:56	RC/JU	Not Ok
24	Q2286-01	BF142770.D	12 Jun 2025 21:25	RC/JU	Not Ok

M : Manual Integration

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP060625

Review By	Rahul	Review On	6/9/2025 11:36:10 AM		
Supervise By	Jagrut	Supervise On	6/9/2025 12:09:52 PM		
SubDirectory	BP060625	HP Acquire Method	BNA_P	HP Processing Method	BP060625

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12667,10ul/1000ul sample
ICV/I.BLK	SP6796
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP024859.D	06 Jun 2025 09:49	RC/JU	Ok
2	SSTDICC2.5	BP024860.D	06 Jun 2025 10:30	RC/JU	Ok
3	SSTDICC005	BP024861.D	06 Jun 2025 11:11	RC/JU	Ok,M
4	SSTDICC010	BP024862.D	06 Jun 2025 11:52	RC/JU	Ok,M
5	SSTDICC020	BP024863.D	06 Jun 2025 12:33	RC/JU	Ok,M
6	SSTDICCC040	BP024864.D	06 Jun 2025 13:14	RC/JU	Ok
7	SSTDICC050	BP024865.D	06 Jun 2025 13:56	RC/JU	Ok
8	SSTDICC060	BP024866.D	06 Jun 2025 14:37	RC/JU	Ok
9	SSTDICC080	BP024867.D	06 Jun 2025 15:18	RC/JU	Ok
10	SSTDICV040	BP024868.D	06 Jun 2025 17:09	RC/JU	Ok,M
11	PB168259BL	BP024869.D	06 Jun 2025 17:50	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP061025

Review By	anahy	Review On	6/11/2025 9:57:08 AM		
Supervise By	Jagrut	Supervise On	6/11/2025 9:57:38 AM		
SubDirectory	BP061025	HP Acquire Method	BNA_P	HP Processing Method	BP060625

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12667,10ul/1000ul sample
ICV/I.BLK	SP6796
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP024887.D	10 Jun 2025 10:12	RC/JU	Ok
2	SSTDCCC040	BP024888.D	10 Jun 2025 10:53	RC/JU	Ok
3	PB168321BL	BP024889.D	10 Jun 2025 11:33	RC/JU	Ok
4	PB168321BS	BP024890.D	10 Jun 2025 12:14	RC/JU	Ok
5	Q2266-01	BP024891.D	10 Jun 2025 13:02	RC/JU	Ok
6	Q2265-01	BP024892.D	10 Jun 2025 13:43	RC/JU	Ok
7	Q2266-08RE	BP024893.D	10 Jun 2025 14:24	RC/JU	Confirms
8	Q2176-08	BP024894.D	10 Jun 2025 15:05	RC/JU	Ok
9	Q2177-02	BP024895.D	10 Jun 2025 15:46	RC/JU	Dilution
10	Q2161-02	BP024896.D	10 Jun 2025 16:27	RC/JU	Ok
11	Q2176-06	BP024897.D	10 Jun 2025 17:08	RC/JU	Ok
12	Q2246-01	BP024898.D	10 Jun 2025 17:49	RC/JU	Ok,M
13	Q2177-06	BP024899.D	10 Jun 2025 18:30	RC/JU	Ok,M
14	Q2240-09	BP024900.D	10 Jun 2025 19:10	RC/JU	Ok,M
15	Q2176-04	BP024901.D	10 Jun 2025 19:51	RC/JU	Ok,M
16	Q2161-01	BP024902.D	10 Jun 2025 20:32	RC/JU	Ok
17	Q2240-05	BP024903.D	10 Jun 2025 21:13	RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP061125

Review By	anahy	Review On	6/12/2025 9:31:34 AM		
Supervise By	mohammad	Supervise On	6/13/2025 9:04:12 AM		
SubDirectory	BP061125	HP Acquire Method	BNA_P	HP Processing Method	BP060625

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12668,10ul/1000ul sample
ICV/I.BLK	SP6796
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP024904.D	11 Jun 2025 09:29	RC/JU	Ok
2	SSTDCCC040	BP024905.D	11 Jun 2025 10:09	RC/JU	Ok,M
3	PB168300BL	BP024906.D	11 Jun 2025 10:50	RC/JU	Ok
4	PB168300BS	BP024907.D	11 Jun 2025 11:31	RC/JU	Ok
5	Q2176-03	BP024908.D	11 Jun 2025 12:18	RC/JU	Ok
6	Q2176-05	BP024909.D	11 Jun 2025 12:59	RC/JU	Ok
7	Q2207-01	BP024910.D	11 Jun 2025 13:40	RC/JU	Ok
8	Q2227-01	BP024911.D	11 Jun 2025 14:21	RC/JU	Ok
9	Q2228-01	BP024912.D	11 Jun 2025 15:02	RC/JU	Ok
10	Q2226-01	BP024913.D	11 Jun 2025 15:43	RC/JU	Ok
11	Q2244-01	BP024914.D	11 Jun 2025 16:24	RC/JU	Ok
12	Q2244-01MS	BP024915.D	11 Jun 2025 17:05	RC/JU	Ok
13	Q2244-01MSD	BP024916.D	11 Jun 2025 17:46	RC/JU	Ok
14	Q2177-02DL	BP024917.D	11 Jun 2025 18:27	RC/JU	Ok,M
15	Q2241-01	BP024918.D	11 Jun 2025 19:08	RC/JU	Ok
16	Q2198-03	BP024919.D	11 Jun 2025 19:49	RC/JU	Ok,M
17	Q2125-07	BP024920.D	11 Jun 2025 20:30	RC/JU	Ok
18	Q2241-05	BP024921.D	11 Jun 2025 21:11	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF052025

Review By	Rahul	Review On	5/21/2025 2:52:20 PM		
Supervise By	Jagrut	Supervise On	5/21/2025 4:44:06 PM		
SubDirectory	BF052025	HP Acquire Method	BNA_F	HP Processing Method	bf052025

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12665,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF142465.D	20 May 2025 11:13		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF142466.D	20 May 2025 11:41	Fresh Calibration Required	RC/JU	Not Ok
3	SSTDICC2.5	SSTDICC2.5	BF142467.D	20 May 2025 12:10		RC/JU	Ok
4	SSTDICC005	SSTDICC005	BF142468.D	20 May 2025 12:38	Compound #32,54,85 removed from 5ppm	RC/JU	Ok
5	SSTDICC010	SSTDICC010	BF142469.D	20 May 2025 13:07		RC/JU	Ok,M
6	SSTDICC020	SSTDICC020	BF142470.D	20 May 2025 13:36		RC/JU	Ok
7	SSTDICCC040	SSTDICCC040	BF142471.D	20 May 2025 14:05	This calibration is good for both the methods, 8270E DOD and 625.1.	RC/JU	Ok
8	SSTDICC050	SSTDICC050	BF142472.D	20 May 2025 14:34		RC/JU	Ok
9	SSTDICC060	SSTDICC060	BF142473.D	20 May 2025 15:03		RC/JU	Ok
10	SSTDICC080	SSTDICC080	BF142474.D	20 May 2025 15:31		RC/JU	Ok
11	SSTDICV040	ICVBF052025	BF142475.D	20 May 2025 16:31		RC/JU	Ok
12	PB168067TB	PB168067TB	BF142476.D	20 May 2025 17:29		RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF060425

Review By	Rahul	Review On	6/5/2025 11:49:57 AM		
Supervise By	Jagrut	Supervise On	6/5/2025 1:15:58 PM		
SubDirectory	BF060425	HP Acquire Method	BNA_F	HP Processing Method	bf052025

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12667,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF142601.D	04 Jun 2025 11:59		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF142602.D	04 Jun 2025 12:27		RC/JU	Ok,M
3	PB168234BL	PB168234BL	BF142603.D	04 Jun 2025 13:05		RC/JU	Ok
4	Q2159-01	TP05-MHO-WC	BF142604.D	04 Jun 2025 13:39		RC/JU	Ok
5	Q2159-01MS	TP05-MHO-WCMS	BF142605.D	04 Jun 2025 14:08		RC/JU	Ok,M
6	Q2159-01MSD	TP05-MHO-WCMSD	BF142606.D	04 Jun 2025 14:38		RC/JU	Ok
7	Q2160-05	TP05-MHH-WC	BF142607.D	04 Jun 2025 15:17		RC/JU	Ok
8	Q2172-01	TP06-MHQ	BF142608.D	04 Jun 2025 15:47		RC/JU	Ok
9	Q2160-01	TP04-MHG-WC	BF142609.D	04 Jun 2025 16:17		RC/JU	Ok
10	Q2159-04	TP05-MHO-WC	BF142610.D	04 Jun 2025 16:47		RC/JU	Ok
11	Q2160-04	TP04-MHG-WC	BF142611.D	04 Jun 2025 17:17		RC/JU	Ok
12	Q2160-08	TP05-MHH-WC	BF142612.D	04 Jun 2025 17:48		RC/JU	Ok
13	Q2173-06	OR-400-CF-402B-COM	BF142613.D	04 Jun 2025 18:18		RC/JU	Ok
14	Q2173-12	OR-400-CF-402B-COM	BF142614.D	04 Jun 2025 18:47		RC/JU	Ok
15	Q2173-18	OR-400-CF-402B-COM	BF142615.D	04 Jun 2025 19:17		RC/JU	Ok
16	Q2173-07	OR-400-CF-402B-COM	BF142616.D	04 Jun 2025 19:47		RC/JU	Ok,M
17	Q2173-13	OR-400-CF-402B-COM	BF142617.D	04 Jun 2025 20:17		RC/JU	Ok,M
18	Q2173-01	OR-400-CF-402B-COM	BF142618.D	04 Jun 2025 20:47		RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF060425

Review By	Rahul	Review On	6/5/2025 11:49:57 AM		
Supervise By	Jagrut	Supervise On	6/5/2025 1:15:58 PM		
SubDirectory	BF060425	HP Acquire Method	BNA_F	HP Processing Method	bf052025

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12667,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2172-04	TP06-MHQ	BF142619.D	04 Jun 2025 21:17		RC/JU	Ok
20	Q2185-04	TP02-MHB-WC	BF142620.D	04 Jun 2025 21:46		RC/JU	Ok
21	Q2185-08	TP01-MHA-WC	BF142621.D	04 Jun 2025 22:16		RC/JU	Ok
22	Q2182-01	OR-03-06022025	BF142622.D	04 Jun 2025 22:45		RC/JU	Ok,M
23	Q2178-01	RT2929	BF142623.D	04 Jun 2025 23:15	Analyze with further 10X Dilution first & then decide	RC/JU	Dilution

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF060625

Review By	Rahul	Review On	6/9/2025 11:32:18 AM		
Supervise By	Jagrut	Supervise On	6/9/2025 12:07:45 PM		
SubDirectory	BF060625	HP Acquire Method	BNA_F	HP Processing Method	bf052025

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12667,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF142639.D	06 Jun 2025 11:01		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF142640.D	06 Jun 2025 11:36		RC/JU	Ok
3	PB168259BL	PB168259BL	BF142641.D	06 Jun 2025 12:06		RC/JU	Ok
4	Q2185-01	TP02-MHB-WC	BF142642.D	06 Jun 2025 12:54		RC/JU	Ok
5	Q2207-37	BU-703-COMP-05	BF142643.D	06 Jun 2025 13:24		RC/JU	Ok
6	Q2207-37MS	BU-703-COMP-05MS	BF142644.D	06 Jun 2025 13:54		RC/JU	Ok
7	Q2207-37MSD	BU-703-COMP-05MSD	BF142645.D	06 Jun 2025 14:25		RC/JU	Ok
8	Q2219-01	72-11995	BF142646.D	06 Jun 2025 14:58		RC/JU	Ok,M
9	Q2214-01	RBR251425	BF142647.D	06 Jun 2025 15:29		RC/JU	Ok
10	Q2208-19	BU-703-COMP-08	BF142648.D	06 Jun 2025 16:00		RC/JU	Ok
11	Q2207-28	BU-703-COMP-04	BF142649.D	06 Jun 2025 16:30		RC/JU	Ok
12	Q2176-07	TP-31	BF142650.D	06 Jun 2025 17:01		RC/JU	Ok
13	Q2198-01	B-202-SB02	BF142651.D	06 Jun 2025 17:31		RC/JU	Ok
14	Q2177-04	B-187-SB02	BF142652.D	06 Jun 2025 18:01		RC/JU	Ok
15	Q2198-05	B-202-GW01	BF142653.D	06 Jun 2025 18:31		RC/JU	Ok
16	Q2207-10	BU-703-COMP-02	BF142654.D	06 Jun 2025 19:02		RC/JU	Ok
17	Q2207-19	BU-703-COMP-03	BF142655.D	06 Jun 2025 19:32		RC/JU	Ok
18	Q2208-10	BU-703-COMP-07	BF142656.D	06 Jun 2025 20:02		RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF060625

Review By	Rahul	Review On	6/9/2025 11:32:18 AM		
Supervise By	Jagrut	Supervise On	6/9/2025 12:07:45 PM		
SubDirectory	BF060625	HP Acquire Method	BNA_F	HP Processing Method	bf052025

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12667,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2208-01	BU-703-COMP-06	BF142657.D	06 Jun 2025 20:32		RC/JU	Ok
20	Q2177-08	EB05312025	BF142658.D	06 Jun 2025 21:02		RC/JU	Ok
21	Q2242-01	TP09-MHJ	BF142659.D	06 Jun 2025 21:32		RC/JU	Ok
22	Q2202-03	MW-12-20250603	BF142660.D	06 Jun 2025 22:01	Need 10X Dilution	RC/JU	Dilution
23	Q2176-01	TP-46	BF142661.D	06 Jun 2025 22:31		RC/JU	Ok
24	Q2208-28	BU-703-COMP-09	BF142662.D	06 Jun 2025 23:01		RC/JU	Ok
25	DFTPP	DFTPP	BF142663.D	07 Jun 2025 00:32		RC/JU	Ok
26	SSTDCCC040	SSTDCCC040	BF142664.D	07 Jun 2025 01:38	CCC fail high for compounds #41,54,56,70,84 and failed low for compounds # 78,79,87,91,92.	RC/JU	Ok
27	PB168300BL	PB168300BL	BF142665.D	07 Jun 2025 02:08	CCC fail low for compound # 78,79,87,91,92.	RC/JU	Not Ok
28	PB168300BS	PB168300BS	BF142666.D	07 Jun 2025 02:38	CCC fail low for compound # 78,79,87,91,92. Also #92 Recovery fail low side.	RC/JU	Not Ok
29	Q2226-01	TP06-MHI-WC	BF142667.D	07 Jun 2025 03:08	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
30	Q2207-01	BU-703-COMP-01	BF142668.D	07 Jun 2025 03:38	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
31	Q2198-03	B-207-SB02	BF142669.D	07 Jun 2025 04:08	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
32	Q2176-03	TP-25	BF142670.D	07 Jun 2025 04:38	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
33	Q2176-05	TP-28	BF142671.D	07 Jun 2025 05:07	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
34	Q2125-07	GSB3	BF142672.D	07 Jun 2025 05:36	CCC fail low for compound #79	RC/JU	ReRun

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF060625

Review By	Rahul	Review On	6/9/2025 11:32:18 AM		
Supervise By	Jagrut	Supervise On	6/9/2025 12:07:45 PM		
SubDirectory	BF060625	HP Acquire Method	BNA_F	HP Processing Method	bf052025

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12667,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

35	Q2176-02	TP-56	BF142673.D	07 Jun 2025 06:05	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
36	Q2227-01	TP07-MHH-WC	BF142674.D	07 Jun 2025 06:35	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
37	Q2228-01	TP08-MHI-WC	BF142675.D	07 Jun 2025 07:03	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
38	Q2241-01	TP-N	BF142676.D	07 Jun 2025 07:32	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
39	Q2241-05	TP-S	BF142677.D	07 Jun 2025 08:02	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
40	Q2244-01	TP03-MHC	BF142678.D	07 Jun 2025 08:31	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
41	Q2244-01MS	TP03-MHCMS	BF142679.D	07 Jun 2025 09:00	CCC fail low for compound # 78,79,87,91,92.	RC/JU	Not Ok
42	Q2244-01MSD	TP03-MHCMSD	BF142680.D	07 Jun 2025 09:29	CCC fail low for compound # 78,79,87,91,92.	RC/JU	Not Ok
43	Q2223-01	HR-01-06042025	BF142681.D	07 Jun 2025 09:58	CCC fail low for compound # 78,79,87,91,92. Need Straight Run	RC/JU	ReRun
44	Q2223-03	HR-04-06042025	BF142682.D	07 Jun 2025 10:27	CCC fail low for compound # 78,79,87,91,92. Need Straight Run	RC/JU	ReRun
45	Q2224-01	EO-01-06042025	BF142683.D	07 Jun 2025 10:57	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
46	Q2225-01	SU-03-06042025	BF142684.D	07 Jun 2025 11:26	CCC fail low for compound # 78,79,87,91,92. Internal Standard Fail	RC/JU	ReRun
47	Q2206-01	TP-1	BF142685.D	07 Jun 2025 11:54	CCC fail low for compound # 78,79,87,91,92. Need Straight Run	RC/JU	ReRun
48	Q2195-01	OK-01-060325	BF142686.D	07 Jun 2025 12:23	CCC fail low for compound # 78,79,87,91,92. Internal Standard Fail	RC/JU	ReRun

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF060625

Review By	Rahul	Review On	6/9/2025 11:32:18 AM		
Supervise By	Jagrut	Supervise On	6/9/2025 12:07:45 PM		
SubDirectory	BF060625	HP Acquire Method	BNA_F	HP Processing Method	bf052025

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12667,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF061125

Review By	Rahul	Review On	6/11/2025 9:54:45 AM		
Supervise By	Jagrut	Supervise On	6/11/2025 9:58:22 AM		
SubDirectory	BF061125	HP Acquire Method	BNA_F	HP Processing Method	BF061125

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12668,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF142710.D	10 Jun 2025 15:42		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF142711.D	10 Jun 2025 16:11	A Fresh Calibration is required.	RC/JU	Not Ok
3	SSTDICC2.5	SSTDICC2.5	BF142712.D	10 Jun 2025 16:54		RC/JU	Ok
4	SSTDICC005	SSTDICC005	BF142713.D	10 Jun 2025 17:24		RC/JU	Ok
5	SSTDICC010	SSTDICC010	BF142714.D	10 Jun 2025 17:53		RC/JU	Ok,M
6	SSTDICC020	SSTDICC020	BF142715.D	10 Jun 2025 18:22		RC/JU	Ok
7	SSTDICCC040	SSTDICCC040	BF142716.D	10 Jun 2025 18:52	Calibration is Good for 8270 E, 8270 DOD and 625.1 methods.	RC/JU	Ok
8	SSTDICC050	SSTDICC050	BF142717.D	10 Jun 2025 19:21		RC/JU	Ok
9	SSTDICC060	SSTDICC060	BF142718.D	10 Jun 2025 19:50		RC/JU	Ok
10	SSTDICC080	SSTDICC080	BF142719.D	10 Jun 2025 20:19	Compound #09 removed from 80 PPM.	RC/JU	Ok,M
11	SSTDICV040	ICVBF061125	BF142720.D	10 Jun 2025 20:49		RC/JU	Ok
12	PB168323BL	PB168323BL	BF142721.D	10 Jun 2025 21:47		RC/JU	Ok
13	DFTPP	DFTPP	BF142722.D	11 Jun 2025 08:56		RC/JU	Ok
14	SSTDCCC040	SSTDCCC040	BF142723.D	11 Jun 2025 09:24		RC/JU	Ok
15	PB168376BL	PB168376BL	BF142724.D	11 Jun 2025 09:53		RC/JU	Ok
16	PB168376BS	PB168376BS	BF142725.D	11 Jun 2025 10:22		RC/JU	Ok,M
17	PB168234BS	PB168234BS	BF142726.D	11 Jun 2025 10:51		RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF061125

Review By	Rahul	Review On	6/11/2025 9:54:45 AM		
Supervise By	Jagrut	Supervise On	6/11/2025 9:58:22 AM		
SubDirectory	BF061125	HP Acquire Method	BNA_F	HP Processing Method	BF061125

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12668,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	PB168285BS	PB168285BS	BF142727.D	11 Jun 2025 11:21		RC/JU	Ok,M
19	PB168285BSD	PB168285BSD	BF142728.D	11 Jun 2025 11:50		RC/JU	Ok,M
20	PB168378BS	PB168378BS	BF142729.D	11 Jun 2025 12:19		RC/JU	Ok,M
21	PB168378BSD	PB168378BSD	BF142730.D	11 Jun 2025 12:49		RC/JU	Ok,M
22	PB168378BL	PB168378BL	BF142731.D	11 Jun 2025 13:18		RC/JU	Ok
23	Q2264-04	EF-WW	BF142732.D	11 Jun 2025 13:52	Surrogate and Internal Standard Failed	RC/JU	Ok
24	Q2268-10	FB-20250605	BF142733.D	11 Jun 2025 14:21		RC/JU	Ok
25	Q2268-03	MW-2-20250605	BF142734.D	11 Jun 2025 14:50	Need 2X Dilution	RC/JU	Dilution
26	Q2268-04MS	MW-2-20250605MS	BF142735.D	11 Jun 2025 15:20		RC/JU	Ok,M
27	Q2268-05MSD	MW-2-20250605MSD	BF142736.D	11 Jun 2025 15:50		RC/JU	Ok
28	Q2268-06	MW-2-20250605-A	BF142737.D	11 Jun 2025 16:19	Need 2X Dilution	RC/JU	Dilution
29	Q2268-07	MW-6-20250605	BF142738.D	11 Jun 2025 16:49	Internal Standard Fail, Need 2X Dilution	RC/JU	Dilution
30	Q2268-08	MW-3-20250605	BF142739.D	11 Jun 2025 17:19	Internal Standard Fail, Need 2X Dilution	RC/JU	Dilution
31	Q2273-01	WC-4	BF142740.D	11 Jun 2025 17:49		RC/JU	Ok
32	Q2273-05	WC-6	BF142741.D	11 Jun 2025 18:18		RC/JU	Ok
33	Q2273-05MS	WC-6MS	BF142742.D	11 Jun 2025 18:48		RC/JU	Ok
34	Q2273-05MSD	WC-6MSD	BF142743.D	11 Jun 2025 19:18		RC/JU	Ok
35	Q2268-03DL	MW-2-20250605DL	BF142744.D	11 Jun 2025 19:48		RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF061125

Review By	Rahul	Review On	6/11/2025 9:54:45 AM		
Supervise By	Jagrut	Supervise On	6/11/2025 9:58:22 AM		
SubDirectory	BF061125	HP Acquire Method	BNA_F	HP Processing Method	BF061125

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12668,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

36	Q2268-03	MW-2-20250605	BF142745.D	11 Jun 2025 20:17	Already analyzed with OK status	RC/JU	Not Ok
37	Q2280-01	VNJ-210	BF142746.D	11 Jun 2025 20:47	Internal standard fail	RC/JU	ReRun

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF061225

Review By	Rahul	Review On	6/13/2025 8:51:32 AM		
Supervise By	mohammad	Supervise On	6/13/2025 9:04:03 AM		
SubDirectory	BF061225	HP Acquire Method	BNA_F	HP Processing Method	BF061125

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12668,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF142747.D	12 Jun 2025 09:21		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF142748.D	12 Jun 2025 09:50		RC/JU	Ok
3	PB168376BL	PB168376BL	BF142749.D	12 Jun 2025 10:56		RC/JU	Ok
4	PB168259BS	PB168259BS	BF142750.D	12 Jun 2025 11:25	Recovery fail for few compounds high side, need noncon	RC/JU	Ok
5	PB168412BL	PB168412BL	BF142751.D	12 Jun 2025 11:54		RC/JU	Ok
6	PB168412BS	PB168412BS	BF142752.D	12 Jun 2025 12:24	Recovery fail for few compounds high side, need noncon	RC/JU	Ok
7	Q2268-06DL	MW-2-20250605-ADL	BF142753.D	12 Jun 2025 13:00		RC/JU	Ok
8	Q2268-07DL	MW-6-20250605DL	BF142754.D	12 Jun 2025 13:29		RC/JU	Ok
9	Q2268-08DL	MW-3-20250605DL	BF142755.D	12 Jun 2025 13:59		RC/JU	Ok
10	Q2280-01	VNJ-210	BF142756.D	12 Jun 2025 14:29		RC/JU	Ok,M
11	Q2176-02	TP-56	BF142757.D	12 Jun 2025 14:58		RC/JU	Ok
12	Q2287-01	CONCRETE-SLAB	BF142758.D	12 Jun 2025 15:28		RC/JU	Ok
13	Q2296-09	WC-3	BF142759.D	12 Jun 2025 15:57		RC/JU	Ok
14	Q2296-09MS	WC-3MS	BF142760.D	12 Jun 2025 16:27		RC/JU	Ok
15	Q2296-09MSD	WC-3MSD	BF142761.D	12 Jun 2025 16:57	RPD fail for some compounds	RC/JU	Ok
16	Q2223-01	HR-01-06042025	BF142762.D	12 Jun 2025 17:27	Need noncon for as analyzed with 5x	RC/JU	Ok
17	Q2223-03	HR-04-06042025	BF142763.D	12 Jun 2025 17:57	Need noncon for as analyzed with 5x	RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF061225

Review By	Rahul	Review On	6/13/2025 8:51:32 AM		
Supervise By	mohammad	Supervise On	6/13/2025 9:04:03 AM		
SubDirectory	BF061225	HP Acquire Method	BNA_F	HP Processing Method	BF061125

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12668,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q2224-01	EO-01-06042025	BF142764.D	12 Jun 2025 18:27		RC/JU	Ok,M
19	Q2225-01	SU-03-06042025	BF142765.D	12 Jun 2025 18:57		RC/JU	Ok,M
20	Q2206-01	TP-1	BF142766.D	12 Jun 2025 19:26		RC/JU	Ok,M
21	Q2195-01	OK-01-060325	BF142767.D	12 Jun 2025 19:56		RC/JU	Ok,M
22	Q2283-01	MOO-25-0166-MOO-25	BF142768.D	12 Jun 2025 20:26		RC/JU	Ok,M
23	Q2278-01	TP-2	BF142769.D	12 Jun 2025 20:56	Need Straight Run	RC/JU	Not Ok
24	Q2286-01	LAW-25-0082-LAW-250	BF142770.D	12 Jun 2025 21:25	Out of Tune time.	RC/JU	Not Ok

M : Manual Integration

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP060625

Review By	Rahul	Review On	6/9/2025 11:36:10 AM		
Supervise By	Jagrut	Supervise On	6/9/2025 12:09:52 PM		
SubDirectory	BP060625	HP Acquire Method	BNA_P	HP Processing Method	BP060625

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12667,10ul/1000ul sample
ICV/I.BLK	SP6796
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BP024859.D	06 Jun 2025 09:49		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BP024860.D	06 Jun 2025 10:30		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BP024861.D	06 Jun 2025 11:11		RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BP024862.D	06 Jun 2025 11:52		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BP024863.D	06 Jun 2025 12:33	Calibration is Good for 8270 E, 8270 DOD and 625.1 methods.	RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BP024864.D	06 Jun 2025 13:14	Compound#54 & 56 are Kept on LR	RC/JU	Ok
7	SSTDICC050	SSTDICC050	BP024865.D	06 Jun 2025 13:56		RC/JU	Ok
8	SSTDICC060	SSTDICC060	BP024866.D	06 Jun 2025 14:37		RC/JU	Ok
9	SSTDICC080	SSTDICC080	BP024867.D	06 Jun 2025 15:18		RC/JU	Ok
10	SSTDICV040	ICVBP060625	BP024868.D	06 Jun 2025 17:09		RC/JU	Ok,M
11	PB168259BL	PB168259BL	BP024869.D	06 Jun 2025 17:50		RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP061025

Review By	anahy	Review On	6/11/2025 9:57:08 AM		
Supervise By	Jagrut	Supervise On	6/11/2025 9:57:38 AM		
SubDirectory	BP061025	HP Acquire Method	BNA_P	HP Processing Method	BP060625

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12667,10ul/1000ul sample
ICV/I.BLK	SP6796
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BP024887.D	10 Jun 2025 10:12		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BP024888.D	10 Jun 2025 10:53		RC/JU	Ok
3	PB168321BL	PB168321BL	BP024889.D	10 Jun 2025 11:33		RC/JU	Ok
4	PB168321BS	PB168321BS	BP024890.D	10 Jun 2025 12:14		RC/JU	Ok
5	Q2266-01	WC-3	BP024891.D	10 Jun 2025 13:02		RC/JU	Ok
6	Q2265-01	TP11-MHL-WC	BP024892.D	10 Jun 2025 13:43		RC/JU	Ok
7	Q2266-08RE	WC-5RE	BP024893.D	10 Jun 2025 14:24	Internal Standard Fail and Surrogate fail	RC/JU	Confirms
8	Q2176-08	TP-65	BP024894.D	10 Jun 2025 15:05		RC/JU	Ok
9	Q2177-02	B-187-SB01	BP024895.D	10 Jun 2025 15:46	Need 5X Dilution	RC/JU	Dilution
10	Q2161-02	B28-SOIL-SAMPLE	BP024896.D	10 Jun 2025 16:27	Surrogate Fail	RC/JU	Ok
11	Q2176-06	TP-27	BP024897.D	10 Jun 2025 17:08		RC/JU	Ok
12	Q2246-01	BU-03-060525	BP024898.D	10 Jun 2025 17:49		RC/JU	Ok,M
13	Q2177-06	B-202-SB01	BP024899.D	10 Jun 2025 18:30		RC/JU	Ok,M
14	Q2240-09	TP-1	BP024900.D	10 Jun 2025 19:10		RC/JU	Ok,M
15	Q2176-04	TP-26	BP024901.D	10 Jun 2025 19:51		RC/JU	Ok,M
16	Q2161-01	B27-SOIL-SAMPLE	BP024902.D	10 Jun 2025 20:32		RC/JU	Ok
17	Q2240-05	TP-2	BP024903.D	10 Jun 2025 21:13		RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP061125

Review By	anahy	Review On	6/12/2025 9:31:34 AM		
Supervise By	mohammad	Supervise On	6/13/2025 9:04:12 AM		
SubDirectory	BP061125	HP Acquire Method	BNA_P	HP Processing Method	BP060625

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12668,10ul/1000ul sample
ICV/I.BLK	SP6796
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BP024904.D	11 Jun 2025 09:29		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BP024905.D	11 Jun 2025 10:09		RC/JU	Ok,M
3	PB168300BL	PB168300BL	BP024906.D	11 Jun 2025 10:50		RC/JU	Ok
4	PB168300BS	PB168300BS	BP024907.D	11 Jun 2025 11:31		RC/JU	Ok
5	Q2176-03	TP-25	BP024908.D	11 Jun 2025 12:18		RC/JU	Ok
6	Q2176-05	TP-28	BP024909.D	11 Jun 2025 12:59		RC/JU	Ok
7	Q2207-01	BU-703-COMP-01	BP024910.D	11 Jun 2025 13:40		RC/JU	Ok
8	Q2227-01	TP07-MHH-WC	BP024911.D	11 Jun 2025 14:21		RC/JU	Ok
9	Q2228-01	TP08-MHI-WC	BP024912.D	11 Jun 2025 15:02		RC/JU	Ok
10	Q2226-01	TP06-MHI-WC	BP024913.D	11 Jun 2025 15:43		RC/JU	Ok
11	Q2244-01	TP03-MHC	BP024914.D	11 Jun 2025 16:24		RC/JU	Ok
12	Q2244-01MS	TP03-MHCMS	BP024915.D	11 Jun 2025 17:05		RC/JU	Ok
13	Q2244-01MSD	TP03-MHCMSD	BP024916.D	11 Jun 2025 17:46		RC/JU	Ok
14	Q2177-02DL	B-187-SB01DL	BP024917.D	11 Jun 2025 18:27		RC/JU	Ok,M
15	Q2241-01	TP-N	BP024918.D	11 Jun 2025 19:08		RC/JU	Ok
16	Q2198-03	B-207-SB02	BP024919.D	11 Jun 2025 19:49		RC/JU	Ok,M
17	Q2125-07	GSB3	BP024920.D	11 Jun 2025 20:30		RC/JU	Ok
18	Q2241-05	TP-S	BP024921.D	11 Jun 2025 21:11		RC/JU	Ok

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

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP061125

Review By	anahy	Review On	6/12/2025 9:31:34 AM		
Supervise By	mohammad	Supervise On	6/13/2025 9:04:12 AM		
SubDirectory	BP061125	HP Acquire Method	BNA_P	HP Processing Method	BP060625

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12668,10ul/1000ul sample
ICV/I.BLK	SP6796
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB168234

SOP ID:	M3541-ASE Extraction-14				
Clean Up SOP #:	N/A			**Extraction Start Date :**	06/04/2025
Matrix :	Solid			**Extraction Start Time :**	09:10
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	06/04/2025
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	12:40
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	SP6794
Surrogate	1.0ML	100/150 PPM	SP6754
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2612
Baked Na2SO4	N/A	EP2620
Sand	N/A	EP2865
Methylene Chloride	N/A	E3939
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5ML Vial Lot # 2210443, Q2161 is Extracted out of holding time.

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

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
6/4/25	RS (Ext-lab)	RC/SVOC
12:45	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB168234

Analytical Method: M3541-ASE Extraction-14 **Concentration Date:** 06/04/2025

Sample ID	Client Sample ID	Test	g/mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168234BL	SBLK234	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1			U3-1
PB168234BS	SLCS234	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1			2
Q2125-07	GSB3	SVOCMS Group1	30.07	N/A	ritesh	Evelyn	1			3
Q2159-01	TP05-MHO-WC	SVOC-TCL BNA -20	50.07	N/A	ritesh	Evelyn	1	E		4
Q2159-01MS	TP05-MHO-WCMS	SVOC-TCL BNA -20	50.04	N/A	ritesh	Evelyn	1	E		5
Q2159-01MSD	TP05-MHO-WCMSD	SVOC-TCL BNA -20	50.02	N/A	ritesh	Evelyn	1	E		6
Q2160-01	TP04-MHG-WC	SVOC-TCL BNA -20	50.04	N/A	ritesh	Evelyn	1	E		U6-1
Q2160-05	TP05-MHG-WC	SVOC-TCL BNA -20	50.02	N/A	ritesh	Evelyn	1	E		2
Q2161-01	B27-SOIL-SAMPLE	SVOCMS Group1	30.06	N/A	ritesh	Evelyn	1	B		3
Q2161-02	B28-SOIL-SAMPLE	SVOCMS Group1	30.08	N/A	ritesh	Evelyn	1	B		4
Q2172-01	TP06-MHQ	SVOC-TCL BNA -20	50.05	N/A	ritesh	Evelyn	1	E		5
Q2173-01	OR-400-CF-402B-COMP-23	SVOC-TCL BNA -20	50.01	N/A	ritesh	Evelyn	1	E		6
Q2173-07	OR-400-CF-402B-COMP-24	SVOC-TCL BNA -20	50.02	N/A	ritesh	Evelyn	1	E		U1-1
Q2173-13	OR-400-CF-402B-COMP-25	SVOC-TCL BNA -20	50.06	N/A	ritesh	Evelyn	1	E		2
Q2176-01	TP-46	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1	E		3
Q2176-02	TP-56	SVOC-TCL BNA -20	30.06	N/A	ritesh	Evelyn	1	E		4
Q2176-03	TP-25	SVOC-TCL BNA -20	30.05	N/A	ritesh	Evelyn	1	E		5
Q2176-04	TP-26	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1	E		6
Q2176-05	TP-28	SVOC-TCL BNA -20	30.05	N/A	ritesh	Evelyn	1	E		U2-1
Q2176-06	TP-27	SVOC-TCL BNA -20	30.07	N/A	ritesh	Evelyn	1	E		2
Q2176-07	TP-31	SVOC-TCL BNA -20	30.04	N/A	ritesh	Evelyn	1	E		3
Q2176-08	TP-65	SVOC-TCL BNA -20	30.05	N/A	ritesh	Evelyn	1	E		4
Q2185-01	TP02-MHB-WC	SVOC-TCL BNA -20	50.06	N/A	ritesh	Evelyn	1	B		5
Q2185-05	TP01-MHB-WC	SVOC-TCL BNA -20	50.02	N/A	ritesh	Evelyn	1	B		6

RS 6/4

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

168234
9:10

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2173 **WorkList ID :** 189861 **Department :** Extraction **Date :** 06-04-2025 09:03:52

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2176-01	TP-46	Solid	SVOC-TCL BNA -20	Cool 4 deg C	CAMP02	L41	05/28/2025	8270E
Q2176-02	TP-56	Solid	SVOC-TCL BNA -20	Cool 4 deg C	CAMP02	L41	05/29/2025	8270E
Q2176-03	TP-25	Solid	SVOC-TCL BNA -20	Cool 4 deg C	CAMP02	L41	05/29/2025	8270E
Q2176-04	TP-26	Solid	SVOC-TCL BNA -20	Cool 4 deg C	CAMP02	L41	05/29/2025	8270E
Q2176-05	TP-28	Solid	SVOC-TCL BNA -20	Cool 4 deg C	CAMP02	L41	05/29/2025	8270E
Q2176-06	TP-27	Solid	SVOC-TCL BNA -20	Cool 4 deg C	CAMP02	L41	05/29/2025	8270E
Q2176-07	TP-31	Solid	SVOC-TCL BNA -20	Cool 4 deg C	CAMP02	L41	05/29/2025	8270E
Q2176-08	TP-65	Solid	SVOC-TCL BNA -20	Cool 4 deg C	CAMP02	L41	05/30/2025	8270E
Q2125-07	GSB3	Solid	SVOCMS Group1	Cool 4 deg C	GENV01	L31	05/23/2025	8270E
Q2161-01	B27-SOIL-SAMPLE	Solid	SVOCMS Group1	Cool 4 deg C	SCAL01	L41	05/12/2025	8270E
Q2161-02	B28-SOIL-SAMPLE	Solid	SVOCMS Group1	Cool 4 deg C	SCAL01	L41	05/12/2025	8270E
Q2159-01	TP05-MHO-WC	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L41	05/29/2025	8270E
Q2160-01	TP04-MHG-WC	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L41	05/29/2025	8270E
Q2160-05	TP05-MHH-WC	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L41	05/29/2025	8270E
Q2172-01	TP06-MHQ	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L31	05/30/2025	8270E
Q2173-01	OR-400-CF-402B-COMP-23	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L31	05/30/2025	8270E
Q2173-07	OR-400-CF-402B-COMP-24	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L31	05/30/2025	8270E
Q2173-13	OR-400-CF-402B-COMP-25	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L31	05/30/2025	8270E
Q2185-01	TP02-MHB-WC	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L31	06/02/2025	8270E
Q2185-05	TP01-MHB-WC	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L31	06/02/2025	8270E

Date/Time 06/04/25 9:05
Raw Sample Received by: RJ (LEFT-Veh)
Raw Sample Relinquished by: RM SM

Date/Time 06/04/25 9:35
Raw Sample Received by: RM SM
Raw Sample Relinquished by: RJ (LEFT-Veh)

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

LAB CHRONICLE

OrderID:	Q2176	**OrderDate:**	5/30/2025 4:04:00 PM
Client:	CDM Smith	**Project:**	South River WM Replacement
Contact:	Marcie Ann Encinas	**Location:**	L41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2176-01	**TP-46**	**SOIL**			**05/28/25**			**05/30/25**
			SVOC-TCL BNA -20	8270E		06/04/25	06/06/25	
Q2176-02	**TP-56**	**SOIL**			**05/29/25**			**05/30/25**
			SVOC-TCL BNA -20	8270E		06/04/25	06/12/25	
Q2176-03	**TP-25**	**SOIL**			**05/29/25**			**05/30/25**
			SVOC-TCL BNA -20	8270E		06/04/25	06/11/25	
Q2176-04	**TP-26**	**SOIL**			**05/29/25**			**05/30/25**
			SVOC-TCL BNA -20	8270E		06/04/25	06/10/25	
Q2176-05	**TP-28**	**SOIL**			**05/29/25**			**05/30/25**
			SVOC-TCL BNA -20	8270E		06/04/25	06/11/25	
Q2176-06	**TP-27**	**SOIL**			**05/29/25**			**05/30/25**
			SVOC-TCL BNA -20	8270E		06/04/25	06/10/25	
Q2176-07	**TP-31**	**SOIL**			**05/29/25**			**05/30/25**
			SVOC-TCL BNA -20	8270E		06/04/25	06/06/25	
Q2176-08	**TP-65**	**SOIL**			**05/30/25**			**05/30/25**
			SVOC-TCL BNA -20	8270E		06/04/25	06/10/25	