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

Hit Summary Sheet
SW-846

SDG No.: Q1762

Client: G Environmental

Sample ID	Client ID		Parameter		Concentration	C	MDL	RDL	Units
Client ID : MW5									
Q1762-02	MW5	WATER	Caprolactam		19.900		1.1	10	ug/L
Q1762-02	MW5	WATER	2-Methylnaphthalene		58.400		0.56	5	ug/L
Q1762-02	MW5	WATER	Acenaphthene		3.100	J	0.55	5	ug/L
Q1762-02	MW5	WATER	Fluorene		5.700		0.63	5	ug/L
Q1762-02	MW5	WATER	Phenanthrene		5.600		0.5	5	ug/L
			Total Svoc :		**92.70**				
Q1762-02	MW5	WATER	1H-Indene, 2,3-dihydro-4-methyl-	*	10.000	J	0	0	ug/L
Q1762-02	MW5	WATER	2,6,10-Trimethyltridecane	*	10.000	J	0	0	ug/L
Q1762-02	MW5	WATER	Benzene, 1,2,4,5-tetramethyl-	*	10.400	J	0	0	ug/L
Q1762-02	MW5	WATER	Benzene, 1,3-diethyl-	*	14.200	J	0	0	ug/L
Q1762-02	MW5	WATER	Benzene, 2-ethenyl-1,4-dimethyl-	*	22.800	J	0	0	ug/L
Q1762-02	MW5	WATER	Heptadecane, 2,6-dimethyl-	*	22.000	J	0	0	ug/L
Q1762-02	MW5	WATER	Indane	*	30.600	J	0	0	ug/L
Q1762-02	MW5	WATER	Naphthalene, 1,4-dimethyl-	*	24.800	J	0	0	ug/L
Q1762-02	MW5	WATER	Naphthalene, 1,5-dimethyl-	*	15.800	J	0	0	ug/L
Q1762-02	MW5	WATER	Naphthalene, 1,6,7-trimethyl-	*	12.400	J	0	0	ug/L
Q1762-02	MW5	WATER	Naphthalene, 2-(1-methylethyl)-	*	11.500	J	0	0	ug/L
Q1762-02	MW5	WATER	Naphthalene, 2,3,6-trimethyl-	*	10.700	J	0	0	ug/L
Q1762-02	MW5	WATER	Naphthalene, 2,3-dimethyl-	*	44.700	J	0	0	ug/L
Q1762-02	MW5	WATER	Naphthalene, 2,6-dimethyl-	*	19.800	J	0	0	ug/L
Q1762-02	MW5	WATER	n-Hexadecanoic acid	*	12.500	J	0	0	ug/L
Q1762-02	MW5	WATER	o-Cymene	*	51.400	J	0	0	ug/L
Q1762-02	MW5	WATER	Pentacosane	*	13.300	J	0	0	ug/L
Q1762-02	MW5	WATER	Pentadecane, 2,6,10-trimethyl-	*	11.600	J	0	0	ug/L
Q1762-02	MW5	WATER	9H-Fluorene, 2-methyl-	*	9.900	J	0	0	ug/L
Q1762-02	MW5	WATER	unknown9.063	*	9.500	J	0	0	ug/L
Q1762-02	MW5	WATER	1-Methylnaphthalene	*	56.600	J	0.66	5	ug/L
			Total Tics :		**424.50**				
			Total Concentration:		**517.20**				

SAMPLE DATA

Raw Data: **BP024318.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	04/09/25
Project:	ANN	Date Received:	04/09/25
Client Sample ID:	MW5	SDG No.:	Q1762
Lab Sample ID:	Q1762-02	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024318.D	1	04/11/25 08:32	04/16/25 19:18	PB167564

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	3.90	U	3.90	10.0	ug/L
108-95-2	Phenol	0.91	U	0.91	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.81	U	0.81	5.00	ug/L
95-57-8	2-Chlorophenol	0.58	U	0.58	5.00	ug/L
95-48-7	2-Methylphenol	1.10	U	1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.30	U	1.30	5.00	ug/L
98-86-2	Acetophenone	0.74	U	0.74	5.00	ug/L
65794-96-9	3+4-Methylphenols	1.10	U	1.10	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.40	U	1.40	2.50	ug/L
67-72-1	Hexachloroethane	0.65	U	0.65	5.00	ug/L
98-95-3	Nitrobenzene	0.76	U	0.76	5.00	ug/L
78-59-1	Isophorone	0.75	U	0.75	5.00	ug/L
88-75-5	2-Nitrophenol	1.80	U	1.80	5.00	ug/L
105-67-9	2,4-Dimethylphenol	1.90	UQ	1.90	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	0.68	U	0.68	5.00	ug/L
120-83-2	2,4-Dichlorophenol	0.52	U	0.52	5.00	ug/L
91-20-3	Naphthalene	0.50	U	0.50	5.00	ug/L
106-47-8	4-Chloroaniline	0.84	UQ	0.84	5.00	ug/L
87-68-3	Hexachlorobutadiene	0.54	U	0.54	5.00	ug/L
105-60-2	Caprolactam	19.9		1.10	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	0.59	U	0.59	5.00	ug/L
91-57-6	2-Methylnaphthalene	58.4		0.56	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	3.60	UQ	3.60	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	0.51	U	0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	0.62	U	0.62	5.00	ug/L
92-52-4	1,1-Biphenyl	0.53	U	0.53	5.00	ug/L
91-58-7	2-Chloronaphthalene	0.61	U	0.61	5.00	ug/L
88-74-4	2-Nitroaniline	1.30	U	1.30	5.00	ug/L
131-11-3	Dimethylphthalate	0.61	U	0.61	5.00	ug/L

Raw Data: **BP024318.D**

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

Client:	G Environmental	Date Collected:	04/09/25
Project:	ANN	Date Received:	04/09/25
Client Sample ID:	MW5	SDG No.:	Q1762
Lab Sample ID:	Q1762-02	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024318.D	1	04/11/25 08:32	04/16/25 19:18	PB167564

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	0.75	U	0.75	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	0.92	U	0.92	5.00	ug/L
99-09-2	3-Nitroaniline	1.10	UQ	1.10	5.00	ug/L
83-32-9	Acenaphthene	3.10	J	0.55	5.00	ug/L
51-28-5	2,4-Dinitrophenol	6.00	U	6.00	10.0	ug/L
100-02-7	4-Nitrophenol	2.40	U	2.40	10.0	ug/L
132-64-9	Dibenzofuran	0.61	U	0.61	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	1.20	U	1.20	5.00	ug/L
84-66-2	Diethylphthalate	0.69	U	0.69	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.68	U	0.68	5.00	ug/L
86-73-7	Fluorene	5.70		0.63	5.00	ug/L
100-01-6	4-Nitroaniline	1.50	U	1.50	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	2.90	U	2.90	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	0.58	U	0.58	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	0.40	U	0.40	5.00	ug/L
118-74-1	Hexachlorobenzene	0.52	U	0.52	5.00	ug/L
1912-24-9	Atrazine	1.00	UQ	1.00	5.00	ug/L
87-86-5	Pentachlorophenol	1.60	U	1.60	10.0	ug/L
85-01-8	Phenanthrene	5.60		0.50	5.00	ug/L
120-12-7	Anthracene	0.61	U	0.61	5.00	ug/L
86-74-8	Carbazole	0.72	U	0.72	5.00	ug/L
84-74-2	Di-n-butylphthalate	1.20	U	1.20	5.00	ug/L
206-44-0	Fluoranthene	0.82	U	0.82	5.00	ug/L
129-00-0	Pyrene	0.50	U	0.50	5.00	ug/L
85-68-7	Butylbenzylphthalate	1.90	U	1.90	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	0.93	UQ	0.93	10.0	ug/L
56-55-3	Benzo(a)anthracene	0.45	U	0.45	5.00	ug/L
218-01-9	Chrysene	0.44	U	0.44	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.60	U	1.60	5.00	ug/L
117-84-0	Di-n-octyl phthalate	2.30	U	2.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	0.49	U	0.49	5.00	ug/L

Raw Data: **BP024318.D**

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Report of Analysis

Client:	G Environmental	Date Collected:	04/09/25
Project:	ANN	Date Received:	04/09/25
Client Sample ID:	MW5	SDG No.:	Q1762
Lab Sample ID:	Q1762-02	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024318.D	1	04/11/25 08:32	04/16/25 19:18	PB167564

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	0.48	U	0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	0.55	U	0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.59	U	0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.67	U	0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	0.69	U	0.69	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	0.52	U	0.52	5.00	ug/L
123-91-1	1,4-Dioxane	1.00	U	1.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.72	U	0.72	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	53.8		15 (10) - 110 (139)	36%	SPK: 150
13127-88-3	Phenol-d6	29.9		15 (10) - 110 (134)	20%	SPK: 150
4165-60-0	Nitrobenzene-d5	80.3		30 (49) - 130 (133)	80%	SPK: 100
321-60-8	2-Fluorobiphenyl	82.1		30 (52) - 130 (132)	82%	SPK: 100
118-79-6	2,4,6-Tribromophenol	119		15 (44) - 110 (137)	79%	SPK: 150
1718-51-0	Terphenyl-d14	79.2		30 (48) - 130 (125)	79%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	312000	7.728			
1146-65-2	Naphthalene-d8	1200000	10.505			
15067-26-2	Acenaphthene-d10	686000	14.357			
1517-22-2	Phenanthrene-d10	1250000	17.157			
1719-03-5	Chrysene-d12	1380000	21.604			
1520-96-3	Perylene-d12	1660000	24.963			
TENTATIVE IDENTIFIED COMPOUNDS						
000496-11-7	Indane	30.6	J		8.10	ug/L
000141-93-5	Benzene, 1,3-diethyl-	14.2	J		8.22	ug/L
000527-84-4	o-Cymene	51.4	J		8.82	ug/L
	unknown9.063	9.50	J		9.06	ug/L
000095-93-2	Benzene, 1,2,4,5-tetramethyl-	10.4	J		9.34	ug/L
000824-22-6	1H-Indene, 2,3-dihydro-4-methyl-	10.0	J		9.76	ug/L
002039-89-6	Benzene, 2-ethenyl-1,4-dimethyl-	22.8	J		9.90	ug/L

Raw Data: **BP024318.D**

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Report of Analysis

Client:	G Environmental			Date Collected:	04/09/25
Project:	ANN			Date Received:	04/09/25
Client Sample ID:	MW5			SDG No.:	Q1762
Lab Sample ID:	Q1762-02			Matrix:	Water
Analytical Method:	SW8270			% Solid:	0
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024318.D	1	04/11/25 08:32	04/16/25 19:18	PB167564

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
90-12-0	1-Methylnaphthalene	56.6	J		12.4	ug/L
000581-42-0	Naphthalene, 2,6-dimethyl-	19.8	J		13.5	ug/L
000581-40-8	Naphthalene, 2,3-dimethyl-	44.7	J		13.7	ug/L
000571-58-4	Naphthalene, 1,4-dimethyl-	24.8	J		13.7	ug/L
003891-99-4	2,6,10-Trimethyltridecane	10.0	J		13.9	ug/L
000571-61-9	Naphthalene, 1,5-dimethyl-	15.8	J		13.9	ug/L
002027-17-0	Naphthalene, 2-(1-methylethyl)-	11.5	J		14.6	ug/L
002245-38-7	Naphthalene, 1,6,7-trimethyl-	12.4	J		14.8	ug/L
000829-26-5	Naphthalene, 2,3,6-trimethyl-	10.7	J		15.0	ug/L
003892-00-0	Pentadecane, 2,6,10-trimethyl-	11.6	J		15.6	ug/L
054105-67-8	Heptadecane, 2,6-dimethyl-	22.0	J		16.1	ug/L
001430-97-3	9H-Fluorene, 2-methyl-	9.90	J		16.5	ug/L
000629-99-2	Pentacosane	13.3	J		17.0	ug/L
000057-10-3	n-Hexadecanoic acid	12.5	J		18.1	ug/L

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

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

QC SUMMARY

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

Surrogate Summary

SW-846

SDG No.: Q1762

Client: G Environmental

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB167564BL	PB167564BL	2-Fluorophenol	150	138	92		15 (10)	110 (139)
		Phenol-d6	150	125	83		15 (10)	110 (134)
		Nitrobenzene-d5	100	90.4	90		30 (49)	130 (133)
		2-Fluorobiphenyl	100	90.0	90		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	128	86		15 (44)	110 (137)
		Terphenyl-d14	100	92.3	92		30 (48)	130 (125)
PB167564BS	PB167564BS	2-Fluorophenol	150	137	91		15 (10)	110 (139)
		Phenol-d6	150	131	87		15 (10)	110 (134)
		Nitrobenzene-d5	100	84.4	84		30 (49)	130 (133)
		2-Fluorobiphenyl	100	82.3	82		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	132	88		15 (44)	110 (137)
		Terphenyl-d14	100	109	109		30 (48)	130 (125)
PB167564BSD	PB167564BSD	2-Fluorophenol	150	143	95		15 (10)	110 (139)
		Phenol-d6	150	137	92		15 (10)	110 (134)
		Nitrobenzene-d5	100	88.8	89		30 (49)	130 (133)
		2-Fluorobiphenyl	100	84.7	85		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	151	101		15 (44)	110 (137)
		Terphenyl-d14	100	90.3	90		30 (48)	130 (125)
Q1762-02	MW5	2-Fluorophenol	150	53.8	36		15 (10)	110 (139)
		Phenol-d6	150	29.9	20		15 (10)	110 (134)
		Nitrobenzene-d5	100	80.3	80		30 (49)	130 (133)
		2-Fluorobiphenyl	100	82.1	82		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	119	79		15 (44)	110 (137)
		Terphenyl-d14	100	79.2	79		30 (48)	130 (125)

( ) = LABORATORY INHOUSE LIMIT

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1762

Client: G Environmental

Analytical Method: 8270E **DataFile:** BP024322.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB167564BS	Benzaldehyde	50	21.5	ug/L	43				20 (10)	160 (162)	
	Phenol	50	48.9	ug/L	98				20 (66)	160 (118)	
	bis(2-Chloroethyl)ether	50	43.0	ug/L	86				70 (62)	130 (103)	
	2-Chlorophenol	50	47.9	ug/L	96				70 (70)	130 (117)	
	2-Methylphenol	50	51.7	ug/L	103				70 (69)	130 (109)	
	2,2-oxybis(1-Chloropropane)	50	45.6	ug/L	91				70 (65)	130 (100)	
	Acetophenone	50	42.1	ug/L	84				70 (60)	130 (104)	
	3+4-Methylphenols	50	50.8	ug/L	102				20 (67)	160 (106)	
	N-Nitroso-di-n-propylamine	50	44.0	ug/L	88				70 (57)	130 (107)	
	Hexachloroethane	50	44.2	ug/L	88				20 (76)	160 (118)	
	Nitrobenzene	50	43.9	ug/L	88				70 (58)	130 (106)	
	Isophorone	50	46.7	ug/L	93				70 (61)	130 (102)	
	2-Nitrophenol	50	47.2	ug/L	94				70 (70)	130 (115)	
	2,4-Dimethylphenol	50	68.3	ug/L	137		*		70 (42)	130 (142)	
	bis(2-Chloroethoxy)methane	50	43.9	ug/L	88				70 (58)	130 (109)	
	2,4-Dichlorophenol	50	48.6	ug/L	97				70 (66)	130 (115)	
	Naphthalene	50	41.1	ug/L	82				70 (64)	130 (107)	
	4-Chloroaniline	50	17.5	ug/L	35		*		70 (10)	130 (85)	
	Hexachlorobutadiene	50	43.8	ug/L	88				70 (69)	130 (101)	
	Caprolactam	50	45.9	ug/L	92				20 (58)	160 (128)	
	4-Chloro-3-methylphenol	50	48.4	ug/L	97				70 (65)	130 (114)	
	2-Methylnaphthalene	50	38.8	ug/L	78				70 (64)	130 (107)	
	Hexachlorocyclopentadiene	100	170	ug/L	170		*		20 (36)	160 (160)	
	2,4,6-Trichlorophenol	50	48.0	ug/L	96				70 (61)	130 (110)	
	2,4,5-Trichlorophenol	50	47.8	ug/L	96				70 (70)	130 (106)	
	1,1-Biphenyl	50	42.9	ug/L	86				70 (72)	130 (98)	
	2-Chloronaphthalene	50	43.4	ug/L	87				70 (59)	130 (106)	
	2-Nitroaniline	50	48.0	ug/L	96				70 (73)	130 (114)	
	Dimethylphthalate	50	43.5	ug/L	87				70 (64)	130 (103)	
	Acenaphthylene	50	47.0	ug/L	94				70 (79)	130 (103)	
	2,6-Dinitrotoluene	50	45.6	ug/L	91				70 (64)	130 (110)	
	3-Nitroaniline	50	27.2	ug/L	54		*		70 (28)	130 (100)	
	Acenaphthene	50	42.0	ug/L	84				70 (59)	130 (113)	
	2,4-Dinitrophenol	100	99.2	ug/L	99				20 (36)	160 (166)	
	4-Nitrophenol	100	90.6	ug/L	91				20 (45)	160 (147)	
	Dibenzofuran	50	40.9	ug/L	82				70 (65)	130 (106)	
	2,4-Dinitrotoluene	50	46.3	ug/L	93				70 (60)	130 (115)	
	Diethylphthalate	50	42.4	ug/L	85				70 (63)	130 (105)	
	4-Chlorophenyl-phenylether	50	42.9	ug/L	86				70 (61)	130 (104)	
	Fluorene	50	43.0	ug/L	86				70 (64)	130 (107)	
	4-Nitroaniline	50	41.4	ug/L	83				70 (55)	130 (125)	
	4,6-Dinitro-2-methylphenol	50	47.7	ug/L	95				70 (62)	130 (132)	
	N-Nitrosodiphenylamine	50	46.2	ug/L	92				70 (61)	130 (109)	
	4-Bromophenyl-phenylether	50	46.7	ug/L	93				70 (73)	130 (103)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1762

Client: G Environmental

Analytical Method: 8270E **DataFile:** BP024322.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB167564BS	Hexachlorobenzene	50	46.8	ug/L	94				70 (73)	130 (106)	
	Atrazine	50	60.1	ug/L	120				70 (76)	130 (120)	
	Pentachlorophenol	100	92.5	ug/L	93				20 (47)	160 (114)	
	Phenanthrene	50	43.4	ug/L	87				70 (62)	130 (109)	
	Anthracene	50	45.6	ug/L	91				70 (65)	130 (110)	
	Carbazole	50	42.3	ug/L	85				70 (62)	130 (106)	
	Di-n-butylphthalate	50	41.3	ug/L	83				70 (64)	130 (106)	
	Fluoranthene	50	38.7	ug/L	77				70 (64)	130 (110)	
	Pyrene	50	56.3	ug/L	113				70 (71)	130 (103)	
	Butylbenzylphthalate	50	49.3	ug/L	99				70 (61)	130 (105)	
	3,3-Dichlorobenzidine	50	28.2	ug/L	56		*		70 (43)	130 (108)	
	Benzo(a)anthracene	50	46.4	ug/L	93				70 (62)	130 (107)	
	Chrysene	50	44.8	ug/L	90				70 (61)	130 (108)	
	bis(2-Ethylhexyl)phthalate	50	42.2	ug/L	84				70 (59)	130 (110)	
	Di-n-octyl phthalate	50	39.3	ug/L	79				70 (52)	130 (139)	
	Benzo(b)fluoranthene	50	44.9	ug/L	90				70 (77)	130 (113)	
	Benzo(k)fluoranthene	50	45.9	ug/L	92				70 (77)	130 (105)	
	Benzo(a)pyrene	50	49.6	ug/L	99				70 (72)	130 (131)	
	Indeno(1,2,3-cd)pyrene	50	50.4	ug/L	101				70 (72)	130 (105)	
	Dibenz(a,h)anthracene	50	50.4	ug/L	101				70 (78)	130 (115)	
	Benzo(g,h,i)perylene	50	49.2	ug/L	98				70 (75)	130 (118)	
	1,2,4,5-Tetrachlorobenzene	50	42.9	ug/L	86				70 (72)	130 (101)	
	1,4-Dioxane	50	33.7	ug/L	67				20 (38)	160 (125)	
	2,3,4,6-Tetrachlorophenol	50	44.8	ug/L	90				70 (63)	130 (116)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1762

Client: G Environmental

Analytical Method: 8270E **DataFile:** BP024323.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB167564BSD	Benzaldehyde	50	21.3	ug/L	43	1			20 (10)	160 (162)	20 (20)
	Phenol	50	51.0	ug/L	102	4			20 (66)	160 (118)	20 (20)
	bis(2-Chloroethyl)ether	50	44.9	ug/L	90	4			70 (62)	130 (103)	20 (20)
	2-Chlorophenol	50	50.1	ug/L	100	4			70 (70)	130 (117)	20 (20)
	2-Methylphenol	50	54.1	ug/L	108	5			70 (69)	130 (109)	20 (20)
	2,2-oxybis(1-Chloropropane)	50	47.4	ug/L	95	4			70 (65)	130 (100)	20 (20)
	Acetophenone	50	44.7	ug/L	89	6			70 (60)	130 (104)	20 (20)
	3+4-Methylphenols	50	53.4	ug/L	107	5			20 (67)	160 (106)	20 (20)
	N-Nitroso-di-n-propylamine	50	46.3	ug/L	93	5			70 (57)	130 (107)	20 (20)
	Hexachloroethane	50	46.5	ug/L	93	5			20 (76)	160 (118)	20 (20)
	Nitrobenzene	50	45.8	ug/L	92	4			70 (58)	130 (106)	20 (20)
	Isophorone	50	49.9	ug/L	100	7			70 (61)	130 (102)	20 (20)
	2-Nitrophenol	50	50.0	ug/L	100	6			70 (70)	130 (115)	20 (20)
	2,4-Dimethylphenol	50	71.6	ug/L	143	5	*		70 (42)	130 (142)	20 (20)
	bis(2-Chloroethoxy)methane	50	46.7	ug/L	93	6			70 (58)	130 (109)	20 (20)
	2,4-Dichlorophenol	50	52.3	ug/L	105	7			70 (66)	130 (115)	20 (20)
	Naphthalene	50	43.6	ug/L	87	6			70 (64)	130 (107)	20 (20)
	4-Chloroaniline	50	19.9	ug/L	40	13	*		70 (10)	130 (85)	20 (20)
	Hexachlorobutadiene	50	46.2	ug/L	92	5			70 (69)	130 (101)	20 (20)
	Caprolactam	50	53.3	ug/L	107	15			20 (58)	160 (128)	20 (20)
	4-Chloro-3-methylphenol	50	52.6	ug/L	105	8			70 (65)	130 (114)	20 (20)
	2-Methylnaphthalene	50	41.1	ug/L	82	6			70 (64)	130 (107)	20 (20)
	Hexachlorocyclopentadiene	100	170	ug/L	170	0	*		20 (36)	160 (160)	20 (20)
	2,4,6-Trichlorophenol	50	50.5	ug/L	101	5			70 (61)	130 (110)	20 (20)
	2,4,5-Trichlorophenol	50	51.5	ug/L	103	7			70 (70)	130 (106)	20 (20)
	1,1-Biphenyl	50	44.2	ug/L	88	3			70 (72)	130 (98)	20 (20)
	2-Chloronaphthalene	50	45.0	ug/L	90	4			70 (59)	130 (106)	20 (20)
	2-Nitroaniline	50	51.8	ug/L	104	8			70 (73)	130 (114)	20 (20)
	Dimethylphthalate	50	47.8	ug/L	96	9			70 (64)	130 (103)	20 (20)
	Acenaphthylene	50	49.4	ug/L	99	5			70 (79)	130 (103)	20 (20)
	2,6-Dinitrotoluene	50	50.8	ug/L	102	11			70 (64)	130 (110)	20 (20)
	3-Nitroaniline	50	30.6	ug/L	61	12	*		70 (28)	130 (100)	20 (20)
	Acenaphthene	50	44.2	ug/L	88	5			70 (59)	130 (113)	20 (20)
	2,4-Dinitrophenol	100	120	ug/L	120	19			20 (36)	160 (166)	20 (20)
	4-Nitrophenol	100	110	ug/L	110	19			20 (45)	160 (147)	20 (20)
	Dibenzofuran	50	43.6	ug/L	87	6			70 (65)	130 (106)	20 (20)
	2,4-Dinitrotoluene	50	53.4	ug/L	107	14			70 (60)	130 (115)	20 (20)
	Diethylphthalate	50	47.6	ug/L	95	12			70 (63)	130 (105)	20 (20)
	4-Chlorophenyl-phenylether	50	46.8	ug/L	94	9			70 (61)	130 (104)	20 (20)
	Fluorene	50	46.3	ug/L	93	7			70 (64)	130 (107)	20 (20)
	4-Nitroaniline	50	50.4	ug/L	101	20			70 (55)	130 (125)	20 (20)
	4,6-Dinitro-2-methylphenol	50	51.0	ug/L	102	7			70 (62)	130 (132)	20 (20)
	N-Nitrosodiphenylamine	50	46.6	ug/L	93	1			70 (61)	130 (109)	20 (20)
	4-Bromophenyl-phenylether	50	47.5	ug/L	95	2			70 (73)	130 (103)	20 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1762

Client: G Environmental

Analytical Method: 8270E **DataFile:** BP024323.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB167564BSD	Hexachlorobenzene	50	47.7	ug/L	95	2			70 (73)	130 (106)	20 (20)
	Atrazine	50	67.9	ug/L	136	12	*		70 (76)	130 (120)	20 (20)
	Pentachlorophenol	100	100	ug/L	100	8			20 (47)	160 (114)	20 (20)
	Phenanthrene	50	45.2	ug/L	90	4			70 (62)	130 (109)	20 (20)
	Anthracene	50	48.1	ug/L	96	5			70 (65)	130 (110)	20 (20)
	Carbazole	50	48.3	ug/L	97	13			70 (62)	130 (106)	20 (20)
	Di-n-butylphthalate	50	49.0	ug/L	98	17			70 (64)	130 (106)	20 (20)
	Fluoranthene	50	46.5	ug/L	93	18			70 (64)	130 (110)	20 (20)
	Pyrene	50	45.9	ug/L	92	20			70 (71)	130 (103)	20 (20)
	Butylbenzylphthalate	50	51.4	ug/L	103	4			70 (61)	130 (105)	20 (20)
	3,3-Dichlorobenzidine	50	31.7	ug/L	63	12	*		70 (43)	130 (108)	20 (20)
	Benzo(a)anthracene	50	47.6	ug/L	95	3			70 (62)	130 (107)	20 (20)
	Chrysene	50	45.9	ug/L	92	2			70 (61)	130 (108)	20 (20)
	bis(2-Ethylhexyl)phthalate	50	49.0	ug/L	98	15			70 (59)	130 (110)	20 (20)
	Di-n-octyl phthalate	50	49.6	ug/L	99	23		*	70 (52)	130 (139)	20 (20)
	Benzo(b)fluoranthene	50	49.2	ug/L	98	9			70 (77)	130 (113)	20 (20)
	Benzo(k)fluoranthene	50	49.4	ug/L	99	7			70 (77)	130 (105)	20 (20)
	Benzo(a)pyrene	50	52.0	ug/L	104	5			70 (72)	130 (131)	20 (20)
	Indeno(1,2,3-cd)pyrene	50	41.9	ug/L	84	18			70 (72)	130 (105)	20 (20)
	Dibenz(a,h)anthracene	50	41.9	ug/L	84	18			70 (78)	130 (115)	20 (20)
	Benzo(g,h,i)perylene	50	38.7	ug/L	77	24		*	70 (75)	130 (118)	20 (20)
	1,2,4,5-Tetrachlorobenzene	50	44.3	ug/L	89	3			70 (72)	130 (101)	20 (20)
	1,4-Dioxane	50	34.3	ug/L	69	2			20 (38)	160 (125)	20 (20)
	2,3,4,6-Tetrachlorophenol	50	50.1	ug/L	100	11			70 (63)	130 (116)	20 (20)

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167564BL

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1762 SAS No.: Q1762 SDG NO.: Q1762

Lab File ID: BP024309.D Lab Sample ID: PB167564BL

Instrument ID: BNA_P Date Extracted: 04/11/2025

Matrix: (soil/water) Water Date Analyzed: 04/16/2025

Level: (low/med) LOW Time Analyzed: 13:07

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
MW5	Q1762-02	BP024318.D	04/16/2025
PB167564BS	PB167564BS	BP024322.D	04/17/2025
PB167564BSD	PB167564BSD	BP024323.D	04/17/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM SAS No.: Q1762 SDG NO.: Q1762

Lab File ID: BP024274.D DFTPP Injection Date: 04/14/2025

Instrument ID: BNA_P DFTPP Injection Time: 10:25

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	30.4
68	Less than 2.0% of mass 69	0.7 (1.8) 1
69	Mass 69 relative abundance	36
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	48.5
197	Less than 2.0% of mass 198	0.5
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 60.0% of mass 198	29.1
365	Greater than 1% of mass 198	4.1
441	Present, but less than mass 443	15.2
442	Greater than 50% of mass 198	99.1
443	15.0 - 24.0% of mass 442	19.2 (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
SSTDICC2.5	SSTDICC2.5	BP024275.D	04/14/2025	11:06
SSTDICC005	SSTDICC005	BP024276.D	04/14/2025	11:47
SSTDICC010	SSTDICC010	BP024277.D	04/14/2025	12:27
SSTDICC020	SSTDICC020	BP024278.D	04/14/2025	13:08
SSTDICCC040	SSTDICCC040	BP024279.D	04/14/2025	13:49
SSTDICC050	SSTDICC050	BP024280.D	04/14/2025	15:10
SSTDICC060	SSTDICC060	BP024281.D	04/14/2025	16:32
SSTDICC080	SSTDICC080	BP024282.D	04/14/2025	17:13

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM SAS No.: Q1762 SDG NO.: Q1762

Lab File ID: BP024303.D DFTPP Injection Date: 04/16/2025

Instrument ID: BNA_P DFTPP Injection Time: 09:02

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	29.4
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	35.1
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	47.6
197	Less than 2.0% of mass 198	0.3
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	28.3
365	Greater than 1% of mass 198	4.2
441	Present, but less than mass 443	15.4
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.6 (19.6) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BP024304.D	04/16/2025	09:43
PB167564BL	PB167564BL	BP024309.D	04/16/2025	13:07
MW5	Q1762-02	BP024318.D	04/16/2025	19:18

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM SAS No.: Q1762 SDG NO.: Q1762

Lab File ID: BP024319.D DFTPP Injection Date: 04/17/2025

Instrument ID: BNA_P DFTPP Injection Time: 09:49

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	24.9
68	Less than 2.0% of mass 69	0.5 (1.7) 1
69	Mass 69 relative abundance	30.1
70	Less than 2.0% of mass 69	0.1 (0.4) 1
127	10.0 - 80.0% of mass 198	41.5
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.1
275	10.0 - 60.0% of mass 198	27.3
365	Greater than 1% of mass 198	4
441	Present, but less than mass 443	15.7
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.4 (19.4) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BP024320.D	04/17/2025	10:30
PB167564BS	PB167564BS	BP024322.D	04/17/2025	11:51
PB167564BSD	PB167564BSD	BP024323.D	04/17/2025	12:32

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1762 SAS No.: Q1762 SDG NO.: Q1762

EPA Sample No.: SSTDCCC040 Date Analyzed: 04/16/2025

Lab File ID: BP024304.D Time Analyzed: 09:43

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	273289	7.728	1112650	10.50	684984	14.36
	UPPER LIMIT	546578	8.228	2225300	10.999	1369970	14.857
	LOWER LIMIT	136645	7.228	556325	9.999	342492	13.857
	EPA SAMPLE NO.						
01	PB167564BL	270242	7.73	1066350	10.50	644577	14.36
02	MW5	312256	7.73	1204770	10.51	686283	14.36

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.: Q1762 SAS No.: Q1762 SDG NO.: Q1762

EPA Sample No.: SSTDCCC040 Date Analyzed: 04/16/2025

Lab File ID: BP024304.D Time Analyzed: 09:43

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	1326070	17.163	1395750	21.622	1605780	24.98
	UPPER LIMIT	2652140	17.663	2791500	22.122	3211560	25.48
	LOWER LIMIT	663035	16.663	697875	21.122	802890	24.48
	EPA SAMPLE NO.						
01	PB167564BL	1213250	17.17	1175360	21.63	1338100	24.99
02	MW5	1252820	17.16	1383650	21.60	1663370	24.96

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.: Q1762 SAS No.: Q1762 SDG NO.: Q1762

EPA Sample No.: SSTDCCC040 Date Analyzed: 04/17/2025

Lab File ID: BP024320.D Time Analyzed: 10:30

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	303712	7.728	1329210	10.50	880817	14.36
	UPPER LIMIT	607424	8.228	2658420	10.998	1761630	14.857
	LOWER LIMIT	151856	7.228	664605	9.998	440409	13.857
	EPA SAMPLE NO.						
01	PB167564BS	334068	7.73	1451800	10.50	946390	14.36
02	PB167564BSD	302883	7.73	1314400	10.50	875504	14.36

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.: Q1762 SAS No.: Q1762 SDG NO.: Q1762

EPA Sample No.: SSTDCCC040 Date Analyzed: 04/17/2025

Lab File ID: BP024320.D Time Analyzed: 10:30

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	1702910	17.157	1526870	21.609	1367820	24.962
	UPPER LIMIT	3405820	17.657	3053740	22.109	2735640	25.462
	LOWER LIMIT	851455	16.657	763435	21.109	683910	24.462
	EPA SAMPLE NO.						
01	PB167564BS	1773500	17.16	1227920	21.60	1207870	24.94
02	PB167564BSD	1837450	17.16	1940220	21.60	1918970	24.95

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

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	ANN	Date Received:	
Client Sample ID:	PB167564BL	SDG No.:	Q1762
Lab Sample ID:	PB167564BL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024309.D	1	04/11/25 08:32	04/16/25 13:07	PB167564

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

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	ANN	Date Received:	
Client Sample ID:	PB167564BL	SDG No.:	Q1762
Lab Sample ID:	PB167564BL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024309.D	1	04/11/25 08:32	04/16/25 13:07	PB167564

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	0.75	U	0.75	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	0.92	U	0.92	5.00	ug/L
99-09-2	3-Nitroaniline	1.10	U	1.10	5.00	ug/L
83-32-9	Acenaphthene	0.55	U	0.55	5.00	ug/L
51-28-5	2,4-Dinitrophenol	6.00	U	6.00	10.0	ug/L
100-02-7	4-Nitrophenol	2.40	U	2.40	10.0	ug/L
132-64-9	Dibenzofuran	0.61	U	0.61	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	1.20	U	1.20	5.00	ug/L
84-66-2	Diethylphthalate	0.69	U	0.69	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.68	U	0.68	5.00	ug/L
86-73-7	Fluorene	0.63	U	0.63	5.00	ug/L
100-01-6	4-Nitroaniline	1.50	U	1.50	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	2.90	U	2.90	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	0.58	U	0.58	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	0.40	U	0.40	5.00	ug/L
118-74-1	Hexachlorobenzene	0.52	U	0.52	5.00	ug/L
1912-24-9	Atrazine	1.00	U	1.00	5.00	ug/L
87-86-5	Pentachlorophenol	1.60	U	1.60	10.0	ug/L
85-01-8	Phenanthrene	0.50	U	0.50	5.00	ug/L
120-12-7	Anthracene	0.61	U	0.61	5.00	ug/L
86-74-8	Carbazole	0.72	U	0.72	5.00	ug/L
84-74-2	Di-n-butylphthalate	1.20	U	1.20	5.00	ug/L
206-44-0	Fluoranthene	0.82	U	0.82	5.00	ug/L
129-00-0	Pyrene	0.50	U	0.50	5.00	ug/L
85-68-7	Butylbenzylphthalate	1.90	U	1.90	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	0.93	U	0.93	10.0	ug/L
56-55-3	Benzo(a)anthracene	0.45	U	0.45	5.00	ug/L
218-01-9	Chrysene	0.44	U	0.44	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.60	U	1.60	5.00	ug/L
117-84-0	Di-n-octyl phthalate	2.30	U	2.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	0.49	U	0.49	5.00	ug/L

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Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	ANN			Date Received:	
Client Sample ID:	PB167564BL			SDG No.:	Q1762
Lab Sample ID:	PB167564BL			Matrix:	Water
Analytical Method:	SW8270			% Solid:	0
Sample Wt/Vol:	1000	Units: mL		Final Vol:	1000 uL
Soil Aliquot Vol:		uL		Test:	SVOC-TCL BNA -20
Extraction Type :		Decanted : N		Level :	LOW
Injection Volume :		GPC Factor : 1.0		GPC Cleanup : N	PH :
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024309.D	1	04/11/25 08:32	04/16/25 13:07	PB167564

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	0.48	U	0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	0.55	U	0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.59	U	0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.67	U	0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	0.69	U	0.69	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	0.52	U	0.52	5.00	ug/L
123-91-1	1,4-Dioxane	1.00	U	1.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.72	U	0.72	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	138		15 (10) - 110 (139)	92%	SPK: 150
13127-88-3	Phenol-d6	125		15 (10) - 110 (134)	83%	SPK: 150
4165-60-0	Nitrobenzene-d5	90.4		30 (49) - 130 (133)	90%	SPK: 100
321-60-8	2-Fluorobiphenyl	90.0		30 (52) - 130 (132)	90%	SPK: 100
118-79-6	2,4,6-Tribromophenol	128		15 (44) - 110 (137)	86%	SPK: 150
1718-51-0	Terphenyl-d14	92.3		30 (48) - 130 (125)	92%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	270000	7.728			
1146-65-2	Naphthalene-d8	1070000	10.504			
15067-26-2	Acenaphthene-d10	645000	14.363			
1517-22-2	Phenanthrene-d10	1210000	17.174			
1719-03-5	Chrysene-d12	1180000	21.627			
1520-96-3	Perylene-d12	1340000	24.992			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	25.2	A		4.89	ug/L
000107-70-0	2-Pentanone, 4-methoxy-4-methyl-	5.00	J		5.95	ug/L

Raw Data: **BP024309.D**

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Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	ANN			Date Received:	
Client Sample ID:	PB167564BL			SDG No.:	Q1762
Lab Sample ID:	PB167564BL			Matrix:	Water
Analytical Method:	SW8270			% Solid:	0
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024309.D	1	04/11/25 08:32	04/16/25 13:07	PB167564

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

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Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	ANN			Date Received:	
Client Sample ID:	PB167564BS			SDG No.:	Q1762
Lab Sample ID:	PB167564BS			Matrix:	Water
Analytical Method:	SW8270			% Solid:	0
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024322.D	1	04/11/25 08:32	04/17/25 11:51	PB167564

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	21.5		3.90	10.0	ug/L
108-95-2	Phenol	48.9		0.91	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	43.0		0.81	5.00	ug/L
95-57-8	2-Chlorophenol	47.9		0.58	5.00	ug/L
95-48-7	2-Methylphenol	51.7		1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	45.6		1.30	5.00	ug/L
98-86-2	Acetophenone	42.1		0.74	5.00	ug/L
65794-96-9	3+4-Methylphenols	50.8		1.10	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	44.0		1.40	2.50	ug/L
67-72-1	Hexachloroethane	44.2		0.65	5.00	ug/L
98-95-3	Nitrobenzene	43.9		0.76	5.00	ug/L
78-59-1	Isophorone	46.7		0.75	5.00	ug/L
88-75-5	2-Nitrophenol	47.2		1.80	5.00	ug/L
105-67-9	2,4-Dimethylphenol	68.3		1.90	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	43.9		0.68	5.00	ug/L
120-83-2	2,4-Dichlorophenol	48.6		0.52	5.00	ug/L
91-20-3	Naphthalene	41.1		0.50	5.00	ug/L
106-47-8	4-Chloroaniline	17.5		0.84	5.00	ug/L
87-68-3	Hexachlorobutadiene	43.8		0.54	5.00	ug/L
105-60-2	Caprolactam	45.9		1.10	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	48.4		0.59	5.00	ug/L
91-57-6	2-Methylnaphthalene	38.8		0.56	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	170	E	3.60	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	48.0		0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	47.8		0.62	5.00	ug/L
92-52-4	1,1-Biphenyl	42.9		0.53	5.00	ug/L
91-58-7	2-Chloronaphthalene	43.4		0.61	5.00	ug/L
88-74-4	2-Nitroaniline	48.0		1.30	5.00	ug/L
131-11-3	Dimethylphthalate	43.5		0.61	5.00	ug/L

Raw Data: **BP024322.D**

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Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	ANN			Date Received:	
Client Sample ID:	PB167564BS			SDG No.:	Q1762
Lab Sample ID:	PB167564BS			Matrix:	Water
Analytical Method:	SW8270			% Solid:	0
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024322.D	1	04/11/25 08:32	04/17/25 11:51	PB167564

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	47.0		0.75	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	45.6		0.92	5.00	ug/L
99-09-2	3-Nitroaniline	27.2		1.10	5.00	ug/L
83-32-9	Acenaphthene	42.0		0.55	5.00	ug/L
51-28-5	2,4-Dinitrophenol	99.2	E	6.00	10.0	ug/L
100-02-7	4-Nitrophenol	90.6	E	2.40	10.0	ug/L
132-64-9	Dibenzofuran	40.9		0.61	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	46.3		1.20	5.00	ug/L
84-66-2	Diethylphthalate	42.4		0.69	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	42.9		0.68	5.00	ug/L
86-73-7	Fluorene	43.0		0.63	5.00	ug/L
100-01-6	4-Nitroaniline	41.4		1.50	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	47.7		2.90	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	46.2		0.58	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	46.7		0.40	5.00	ug/L
118-74-1	Hexachlorobenzene	46.8		0.52	5.00	ug/L
1912-24-9	Atrazine	60.1		1.00	5.00	ug/L
87-86-5	Pentachlorophenol	92.5	E	1.60	10.0	ug/L
85-01-8	Phenanthrene	43.4		0.50	5.00	ug/L
120-12-7	Anthracene	45.6		0.61	5.00	ug/L
86-74-8	Carbazole	42.3		0.72	5.00	ug/L
84-74-2	Di-n-butylphthalate	41.3		1.20	5.00	ug/L
206-44-0	Fluoranthene	38.7		0.82	5.00	ug/L
129-00-0	Pyrene	56.3		0.50	5.00	ug/L
85-68-7	Butylbenzylphthalate	49.3		1.90	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	28.2		0.93	10.0	ug/L
56-55-3	Benzo(a)anthracene	46.4		0.45	5.00	ug/L
218-01-9	Chrysene	44.8		0.44	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	42.2		1.60	5.00	ug/L
117-84-0	Di-n-octyl phthalate	39.3		2.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	44.9		0.49	5.00	ug/L

Raw Data: **BP024322.D**

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Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	ANN			Date Received:	
Client Sample ID:	PB167564BS			SDG No.:	Q1762
Lab Sample ID:	PB167564BS			Matrix:	Water
Analytical Method:	SW8270			% Solid:	0
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024322.D	1	04/11/25 08:32	04/17/25 11:51	PB167564

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	45.9		0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	49.6		0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	50.4		0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	50.4		0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	49.2		0.69	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	42.9		0.52	5.00	ug/L
123-91-1	1,4-Dioxane	33.7		1.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	44.8		0.72	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	137		15 (10) - 110 (139)	91%	SPK: 150
13127-88-3	Phenol-d6	131		15 (10) - 110 (134)	87%	SPK: 150
4165-60-0	Nitrobenzene-d5	84.4		30 (49) - 130 (133)	84%	SPK: 100
321-60-8	2-Fluorobiphenyl	82.3		30 (52) - 130 (132)	82%	SPK: 100
118-79-6	2,4,6-Tribromophenol	132		15 (44) - 110 (137)	88%	SPK: 150
1718-51-0	Terphenyl-d14	109		30 (48) - 130 (125)	109%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	334000	7.728			
1146-65-2	Naphthalene-d8	1450000	10.499			
15067-26-2	Acenaphthene-d10	946000	14.357			
1517-22-2	Phenanthrene-d10	1770000	17.157			
1719-03-5	Chrysene-d12	1230000	21.598			
1520-96-3	Perylene-d12	1210000	24.939			

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: **BP024323.D**

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

Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	ANN			Date Received:	
Client Sample ID:	PB167564BSD			SDG No.:	Q1762
Lab Sample ID:	PB167564BSD			Matrix:	Water
Analytical Method:	SW8270			% Solid:	0
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024323.D	1	04/11/25 08:32	04/17/25 12:32	PB167564

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	21.3		3.90	10.0	ug/L
108-95-2	Phenol	51.0		0.91	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	44.9		0.81	5.00	ug/L
95-57-8	2-Chlorophenol	50.1		0.58	5.00	ug/L
95-48-7	2-Methylphenol	54.1		1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	47.4		1.30	5.00	ug/L
98-86-2	Acetophenone	44.7		0.74	5.00	ug/L
65794-96-9	3+4-Methylphenols	53.4		1.10	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	46.3		1.40	2.50	ug/L
67-72-1	Hexachloroethane	46.5		0.65	5.00	ug/L
98-95-3	Nitrobenzene	45.8		0.76	5.00	ug/L
78-59-1	Isophorone	49.9		0.75	5.00	ug/L
88-75-5	2-Nitrophenol	50.0		1.80	5.00	ug/L
105-67-9	2,4-Dimethylphenol	71.6		1.90	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	46.7		0.68	5.00	ug/L
120-83-2	2,4-Dichlorophenol	52.3		0.52	5.00	ug/L
91-20-3	Naphthalene	43.6		0.50	5.00	ug/L
106-47-8	4-Chloroaniline	19.9		0.84	5.00	ug/L
87-68-3	Hexachlorobutadiene	46.2		0.54	5.00	ug/L
105-60-2	Caprolactam	53.3		1.10	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	52.6		0.59	5.00	ug/L
91-57-6	2-Methylnaphthalene	41.1		0.56	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	170	E	3.60	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	50.5		0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	51.5		0.62	5.00	ug/L
92-52-4	1,1-Biphenyl	44.2		0.53	5.00	ug/L
91-58-7	2-Chloronaphthalene	45.0		0.61	5.00	ug/L
88-74-4	2-Nitroaniline	51.8		1.30	5.00	ug/L
131-11-3	Dimethylphthalate	47.8		0.61	5.00	ug/L

Raw Data: **BP024323.D**

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

Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	ANN			Date Received:	
Client Sample ID:	PB167564BSD			SDG No.:	Q1762
Lab Sample ID:	PB167564BSD			Matrix:	Water
Analytical Method:	SW8270			% Solid:	0
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024323.D	1	04/11/25 08:32	04/17/25 12:32	PB167564

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	49.4		0.75	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	50.8		0.92	5.00	ug/L
99-09-2	3-Nitroaniline	30.6		1.10	5.00	ug/L
83-32-9	Acenaphthene	44.2		0.55	5.00	ug/L
51-28-5	2,4-Dinitrophenol	120	E	6.00	10.0	ug/L
100-02-7	4-Nitrophenol	110	E	2.40	10.0	ug/L
132-64-9	Dibenzofuran	43.6		0.61	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	53.4		1.20	5.00	ug/L
84-66-2	Diethylphthalate	47.6		0.69	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	46.8		0.68	5.00	ug/L
86-73-7	Fluorene	46.3		0.63	5.00	ug/L
100-01-6	4-Nitroaniline	50.4		1.50	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	51.0		2.90	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	46.6		0.58	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	47.5		0.40	5.00	ug/L
118-74-1	Hexachlorobenzene	47.7		0.52	5.00	ug/L
1912-24-9	Atrazine	67.9		1.00	5.00	ug/L
87-86-5	Pentachlorophenol	100	E	1.60	10.0	ug/L
85-01-8	Phenanthrene	45.2		0.50	5.00	ug/L
120-12-7	Anthracene	48.1		0.61	5.00	ug/L
86-74-8	Carbazole	48.3		0.72	5.00	ug/L
84-74-2	Di-n-butylphthalate	49.0		1.20	5.00	ug/L
206-44-0	Fluoranthene	46.5		0.82	5.00	ug/L
129-00-0	Pyrene	45.9		0.50	5.00	ug/L
85-68-7	Butylbenzylphthalate	51.4		1.90	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	31.7		0.93	10.0	ug/L
56-55-3	Benzo(a)anthracene	47.6		0.45	5.00	ug/L
218-01-9	Chrysene	45.9		0.44	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	49.0		1.60	5.00	ug/L
117-84-0	Di-n-octyl phthalate	49.6		2.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	49.2		0.49	5.00	ug/L

Raw Data: **BP024323.D**

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

Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	ANN			Date Received:	
Client Sample ID:	PB167564BSD			SDG No.:	Q1762
Lab Sample ID:	PB167564BSD			Matrix:	Water
Analytical Method:	SW8270			% Solid:	0
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024323.D	1	04/11/25 08:32	04/17/25 12:32	PB167564

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	49.4		0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	52.0		0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	41.9		0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	41.9		0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	38.7		0.69	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	44.3		0.52	5.00	ug/L
123-91-1	1,4-Dioxane	34.3		1.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	50.1		0.72	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	143		15 (10) - 110 (139)	95%	SPK: 150
13127-88-3	Phenol-d6	137		15 (10) - 110 (134)	92%	SPK: 150
4165-60-0	Nitrobenzene-d5	88.8		30 (49) - 130 (133)	89%	SPK: 100
321-60-8	2-Fluorobiphenyl	84.7		30 (52) - 130 (132)	85%	SPK: 100
118-79-6	2,4,6-Tribromophenol	151		15 (44) - 110 (137)	101%	SPK: 150
1718-51-0	Terphenyl-d14	90.3		30 (48) - 130 (125)	90%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	303000	7.728			
1146-65-2	Naphthalene-d8	1310000	10.504			
15067-26-2	Acenaphthene-d10	876000	14.363			
1517-22-2	Phenanthrene-d10	1840000	17.157			
1719-03-5	Chrysene-d12	1940000	21.604			
1520-96-3	Perylene-d12	1920000	24.945			

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

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

CALIBRATION SUMMARY

Response Factor Report MSBNA_P

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP041425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Apr 15 04:48:42 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BP024275.D 5 =BP024276.D 10 =BP024277.D 20 =BP024278.D 40 =BP024279.D 50 =BP024280.D 60 =BP024281.D 80 =BP0242
82.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.551	0.517	0.552	0.512	0.481	0.490	0.477	0.512	6.10
3)		Pyridine		1.265	1.280	1.422	1.396	1.333	1.383	1.378	1.351	4.43
4)		n-Nitrosodimet...		0.424	0.443	0.469	0.457	0.442	0.460	0.444	0.448	3.29
5)	S	2-Fluorophenol		1.123	1.145	1.262	1.254	1.210	1.277	1.196	1.210	4.93
6)		Aniline		1.439	1.487	1.636	1.587	1.403	1.428	1.380	1.480	6.52
7)	S	Phenol-d6		1.463	1.552	1.718	1.748	1.697	1.769	1.647	1.656	6.75
8)		2-Chlorophenol		1.260	1.297	1.412	1.399	1.359	1.400	1.328	1.350	4.30
9)		Benzaldehyde		0.943	0.934	0.942	0.836	0.732	0.726	0.621	0.819	15.70
10)	C	Phenol		1.475	1.565	1.720	1.750	1.698	1.779	1.643	1.661	6.54
11)		bis(2-Chloroet...		1.278	1.317	1.399	1.398	1.321	1.358	1.300	1.339	3.56
12)		1,3-Dichlorobe...		1.464	1.486	1.534	1.486	1.402	1.433	1.373	1.454	3.79
13)	C	1,4-Dichlorobe...		1.496	1.489	1.550	1.494	1.436	1.463	1.399	1.475	3.28
14)		1,2-Dichlorobe...		1.472	1.441	1.502	1.445	1.362	1.411	1.339	1.424	4.10
15)		Benzyl Alcohol		0.857	0.935	1.106	1.158	1.142	1.178	1.122	1.071	11.58
16)		2,2'-oxybis(1-...		1.452	1.496	1.517	1.514	1.405	1.397	1.348	1.447	4.54
17)		2-Methylphenol		0.915	1.002	1.123	1.140	1.105	1.150	1.087	1.075	7.97
18)		Hexachloroethane		0.532	0.537	0.558	0.542	0.521	0.533	0.510	0.533	2.88
19)	P	n-Nitroso-di-n...	0.941	1.008	1.008	1.088	1.084	1.041	1.038	0.989	1.025	4.76
20)		3+4-Methylphenols		1.224	1.365	1.560	1.592	1.567	1.607	1.525	1.491	9.57
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.470	0.487	0.522	0.519	0.490	0.495	0.483	0.495	3.85
23)	S	Nitrobenzene-d5		0.322	0.337	0.367	0.368	0.357	0.356	0.347	0.351	4.76
24)		Nitrobenzene		0.328	0.334	0.362	0.364	0.349	0.353	0.340	0.347	3.96
25)		Isophorone		0.575	0.601	0.653	0.673	0.650	0.654	0.639	0.635	5.41
26)	C	2-Nitrophenol		0.130	0.143	0.172	0.183	0.184	0.191	0.186	0.170	13.97
27)		2,4-Dimethylph...		0.180	0.194	0.219	0.226	0.225	0.228	0.221	0.213	8.81
28)		bis(2-Chloroet...		0.412	0.426	0.444	0.452	0.430	0.425	0.412	0.429	3.51
29)	C	2,4-Dichloroph...		0.242	0.268	0.297	0.308	0.307	0.311	0.302	0.291	8.94
30)		1,2,4-Trichlor...		0.308	0.305	0.318	0.321	0.309	0.315	0.306	0.311	2.00
31)		Naphthalene		1.044	1.054	1.091	1.079	1.037	1.048	1.023	1.054	2.27
32)		Benzoic acid			0.185	0.226	0.242	0.270	0.285	0.282	0.248	15.56
33)		4-Chloroaniline		0.328	0.349	0.389	0.397	0.378	0.379	0.378	0.371	6.46
34)	C	Hexachlorobuta...		0.181	0.181	0.186	0.189	0.181	0.182	0.182	0.183	1.62
35)		Caprolactam		0.085	0.092	0.111	0.112	0.115	0.121	0.115	0.107	12.53
36)	C	4-Chloro-3-met...		0.284	0.310	0.349	0.357	0.356	0.363	0.351	0.339	8.82
37)		2-Methylnaphth...		0.700	0.720	0.755	0.755	0.733	0.740	0.712	0.731	2.89
38)		1-Methylnaphth...		0.700	0.714	0.737	0.731	0.712	0.718	0.691	0.715	2.25

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP041425.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.522	0.538	0.568	0.576	0.544	0.549	0.552	0.550	3.33
41)	P	Hexachlorocycl...	0.162	0.185	0.197	0.218	0.199	0.197	0.204	0.195	8.92
42)	S	2,4,6-Tribromo...	0.235	0.256	0.278	0.289	0.289	0.296	0.294	0.277	8.29
43)	C	2,4,6-Trichlor...	0.301	0.335	0.369	0.389	0.386	0.390	0.390	0.366	9.51
44)		2,4,5-Trichlor...	0.332	0.371	0.409	0.427	0.429	0.436	0.430	0.405	9.62
45)	S	2-Fluorobiphenyl	1.332	1.334	1.359	1.366	1.263	1.251	1.240	1.306	4.08
46)		1,1'-Biphenyl	1.454	1.489	1.528	1.529	1.434	1.428	1.429	1.470	3.07
47)		2-Chloronaphth...	1.063	1.100	1.135	1.139	1.085	1.090	1.078	1.099	2.60
48)		2-Nitroaniline	0.250	0.270	0.317	0.330	0.324	0.335	0.331	0.308	10.98
49)		Acenaphthylene	1.604	1.680	1.793	1.814	1.726	1.763	1.730	1.730	4.11
50)		Dimethylphthalate	1.429	1.416	1.495	1.495	1.460	1.460	1.426	1.454	2.22
51)		2,6-Dinitrotol...	0.264	0.290	0.319	0.325	0.319	0.328	0.317	0.309	7.58
52)	C	Acenaphthene	1.087	1.087	1.141	1.126	1.081	1.079	1.076	1.097	2.35
53)		3-Nitroaniline	0.250	0.289	0.338	0.354	0.342	0.340	0.358	0.325	12.25
54)	P	2,4-Dinitrophenol		0.125	0.163	0.186	0.196	0.210	0.211	0.182	18.22
55)		Dibenzofuran	1.801	1.807	1.871	1.833	1.746	1.768	1.723	1.793	2.84
56)	P	4-Nitrophenol	0.190	0.231	0.289	0.305	0.306	0.323	0.317	0.280	17.90
57)		2,4-Dinitrotol...	0.334	0.368	0.439	0.448	0.442	0.463	0.456	0.421	11.82
58)		Fluorene	1.376	1.397	1.454	1.398	1.368	1.366	1.356	1.388	2.40
59)		2,3,4,6-Tetrac...	0.327	0.351	0.380	0.389	0.387	0.390	0.389	0.373	6.57
60)		Diethylphthalate	1.451	1.484	1.528	1.550	1.499	1.499	1.481	1.499	2.16
61)		4-Chlorophenyl...	0.667	0.675	0.699	0.680	0.667	0.670	0.659	0.674	1.95
62)		4-Nitroaniline	0.263	0.300	0.353	0.369	0.364	0.380	0.376	0.344	12.99
63)		Azobenzene	1.269	1.383	1.446	1.431	1.385	1.385	1.344	1.378	4.26
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.095	0.118	0.131	0.134	0.140	0.138	0.126	13.50
66)	c	n-Nitrosodiphe...	0.567	0.585	0.616	0.630	0.591	0.608	0.580	0.597	3.71
67)		4-Bromophenyl-...	0.203	0.212	0.220	0.230	0.220	0.225	0.222	0.219	4.11
68)		Hexachlorobenzene	0.247	0.247	0.260	0.271	0.261	0.269	0.263	0.260	3.67
69)		Atrazine	0.176	0.167	0.134	0.121	0.162			0.152	15.57
70)	C	Pentachlorophenol	0.143	0.155	0.175	0.196	0.197	0.203	0.201	0.181	13.35
71)		Phenanthrene	1.098	1.086	1.117	1.127	1.070	1.082	1.058	1.091	2.27
72)		Anthracene	0.995	1.017	1.084	1.111	1.053	1.071	1.030	1.052	3.85
73)		Carbazole	0.968	0.998	1.060	1.084	1.014	1.037	1.031	1.027	3.78
74)		Di-n-butylphth...	1.147	1.230	1.253	1.398	1.310	1.338	1.284	1.280	6.30
75)	C	Fluoranthene	1.289	1.274	1.316	1.347	1.280	1.304	1.274	1.298	2.07
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.144	0.141	0.109	0.436	0.333	0.302	0.307	0.254	48.39
78)		Pyrene	1.192	1.236	1.345	1.305	1.294	1.305	1.219	1.271	4.38
79)	S	Terphenyl-d14	0.967	0.998	1.055	1.032	1.005	0.964	0.926	0.992	4.42
80)		Butylbenzylpht...	0.434	0.488	0.546	0.596	0.580	0.593	0.574	0.544	11.25
81)		Benzo(a)anthra...	1.195	1.214	1.292	1.293	1.234	1.253	1.221	1.243	3.08
82)		3,3'-Dichlorob...	0.345	0.383	0.431	0.486	0.463	0.485	0.460	0.436	12.30
83)		Chrysene	1.180	1.181	1.229	1.213	1.173	1.193	1.167	1.191	1.88
84)		Bis(2-ethylhex...	0.639	0.735	0.779	0.893	0.853	0.867	0.819	0.798	11.09
85)	c	Di-n-octyl pht...	0.945	1.093	1.222	1.461	1.430	1.486	1.446	1.297	16.46

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP041425.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.252	1.304	1.407	1.444	1.401	1.445	1.466	1.388	5.77
88)		Benzo(b)fluora...	1.130	1.174	1.217	1.258	1.196	1.205	1.212	1.199	3.30
89)		Benzo(k)fluora...	1.088	1.131	1.217	1.212	1.154	1.166	1.138	1.158	3.94
90)	C	Benzo(a)pyrene	0.939	0.971	1.057	1.091	1.053	1.070	1.058	1.034	5.44
91)		Dibenzo(a,h)an...	1.046	1.089	1.172	1.203	1.169	1.186	1.202	1.152	5.28
92)		Benzo(g,h,i)pe...	1.073	1.110	1.198	1.218	1.180	1.209	1.224	1.173	4.99

(#) = Out of Range

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1762 SAS No.: Q1762 SDG No.: Q1762

Instrument ID: BNA_P Calibration Date/Time: 04/16/2025 09:43

Lab File ID: BP024304.D Init. Calib. Date(s): 04/14/2025 04/14/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:06 17:13

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.210	1.198		-1.0	
Benzaldehyde	0.819	1.715		109.4	
Phenol-d6	1.656	1.594		-3.7	
Phenol	1.661	1.607		-3.3	20.0
bis(2-Chloroethyl)ether	1.339	1.282		-4.3	
2-Chlorophenol	1.350	1.300		-3.7	
2-Methylphenol	1.075	1.038		-3.4	
2,2-oxybis(1-Chloropropane)	1.447	1.403		-3.0	
Acetophenone	0.495	0.484		-2.2	
3+4-Methylphenols	1.491	1.442		-3.3	
n-Nitroso-di-n-propylamine	1.025	0.973	0.050	-5.1	
Nitrobenzene-d5	0.351	0.356		1.4	
Hexachloroethane	0.533	0.526		-1.3	
Nitrobenzene	0.347	0.347		0.0	
Isophorone	0.635	0.618		-2.7	
2-Nitrophenol	0.170	0.172		1.2	20.0
2,4-Dimethylphenol	0.213	0.213		0.0	
bis(2-Chloroethoxy)methane	0.429	0.425		-0.9	
2,4-Dichlorophenol	0.291	0.291		0.0	20.0
Naphthalene	1.054	1.027		-2.6	
4-Chloroaniline	0.371	0.369		-0.5	
Hexachlorobutadiene	0.183	0.183		0.0	20.0
Caprolactam	0.107	0.101		-5.6	
4-Chloro-3-methylphenol	0.339	0.333		-1.8	20.0
2-Methylnaphthalene	0.731	0.702		-4.0	
Hexachlorocyclopentadiene	0.195	0.203	0.050	4.1	
2,4,6-Trichlorophenol	0.366	0.369		0.8	20.0
2-Fluorobiphenyl	1.306	1.270		-2.8	
2,4,5-Trichlorophenol	0.405	0.403		-0.5	
1,1-Biphenyl	1.470	1.439		-2.1	
2-Chloronaphthalene	1.099	1.078		-1.9	
2-Nitroaniline	0.308	0.313		1.6	
Dimethylphthalate	1.454	1.383		-4.9	
Acenaphthylene	1.730	1.692		-2.2	
2,6-Dinitrotoluene	0.309	0.304		-1.6	
3-Nitroaniline	0.325	0.324		-0.3	
Acenaphthene	1.097	1.057		-3.6	20.0
2,4-Dinitrophenol	0.182	0.155	0.050	-14.8	
4-Nitrophenol	0.280	0.281	0.050	0.4	

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1762 SAS No.: Q1762 SDG No.: Q1762

Instrument ID: BNA_P Calibration Date/Time: 04/16/2025 09:43

Lab File ID: BP024304.D Init. Calib. Date(s): 04/14/2025 04/14/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:06 17:13

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.793	1.710		-4.6	
2,4-Dinitrotoluene	0.421	0.419		-0.5	
Diethylphthalate	1.499	1.442		-3.8	
4-Chlorophenyl-phenylether	0.674	0.647		-4.0	
Fluorene	1.388	1.326		-4.5	
4-Nitroaniline	0.344	0.338		-1.7	
4,6-Dinitro-2-methylphenol	0.126	0.114		-9.5	
n-Nitrosodiphenylamine	0.597	0.581		-2.7	20.0
2,4,6-Tribromophenol	0.277	0.264		-4.7	
4-Bromophenyl-phenylether	0.219	0.215		-1.8	
Hexachlorobenzene	0.260	0.250		-3.8	
Atrazine	0.152	0.190		25.0	
Pentachlorophenol	0.181	0.181		0.0	20.0
Phenanthrene	1.091	1.044		-4.3	
Anthracene	1.052	1.032		-1.9	
Carbazole	1.027	0.996		-3.0	
Di-n-butylphthalate	1.280	1.304		1.9	
Fluoranthene	1.298	1.259		-3.0	20.0
Pyrene	1.271	1.244		-2.1	
Terphenyl-d14	0.992	0.967		-2.5	
Butylbenzylphthalate	0.544	0.569		4.6	
3,3-Dichlorobenzidine	0.436	0.435		-0.2	
Benzo(a)anthracene	1.243	1.212		-2.5	
Chrysene	1.191	1.164		-2.3	
Bis(2-ethylhexyl)phthalate	0.798	0.859		7.6	
Di-n-octyl phthalate	1.297	1.403		8.2	20.0
Benzo(b)fluoranthene	1.199	1.169		-2.5	
Benzo(k)fluoranthene	1.158	1.144		-1.2	
Benzo(a)pyrene	1.034	1.025		-0.9	20.0
Indeno(1,2,3-cd)pyrene	1.388	1.376		-0.9	
Dibenzo(a,h)anthracene	1.152	1.144		-0.7	
Benzo(g,h,i)perylene	1.173	1.152		-1.8	
1,2,4,5-Tetrachlorobenzene	0.550	0.553		0.5	
1,4-Dioxane	0.512	0.514		0.4	20.0
2,3,4,6-Tetrachlorophenol	0.373	0.357		-4.3	

All other compounds must meet a minimum RRF of 0.010.

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1762 SAS No.: Q1762 SDG No.: Q1762

Instrument ID: BNA_P Calibration Date/Time: 04/17/2025 10:30

Lab File ID: BP024320.D Init. Calib. Date(s): 04/14/2025 04/14/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:06 17:13

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.210	1.207		-0.2	
Benzaldehyde	0.819	0.990		20.9	
Phenol-d6	1.656	1.673		1.0	
Phenol	1.661	1.671		0.6	20.0
bis(2-Chloroethyl)ether	1.339	1.310		-2.2	
2-Chlorophenol	1.350	1.334		-1.2	
2-Methylphenol	1.075	1.109		3.2	
2,2-oxybis(1-Chloropropane)	1.447	1.450		0.2	
Acetophenone	0.495	0.486		-1.8	
3+4-Methylphenols	1.491	1.554		4.2	
n-Nitroso-di-n-propylamine	1.025	1.075	0.050	4.8	
Nitrobenzene-d5	0.351	0.352		0.3	
Hexachloroethane	0.533	0.525		-1.5	
Nitrobenzene	0.347	0.345		-0.6	
Isophorone	0.635	0.650		2.4	
2-Nitrophenol	0.170	0.182		7.1	20.0
2,4-Dimethylphenol	0.213	0.216		1.4	
bis(2-Chloroethoxy)methane	0.429	0.423		-1.4	
2,4-Dichlorophenol	0.291	0.297		2.1	20.0
Naphthalene	1.054	1.021		-3.1	
4-Chloroaniline	0.371	0.384		3.5	
Hexachlorobutadiene	0.183	0.182		-0.5	20.0
Caprolactam	0.107	0.112		4.7	
4-Chloro-3-methylphenol	0.339	0.359		5.9	20.0
2-Methylnaphthalene	0.731	0.732		0.1	
Hexachlorocyclopentadiene	0.195	0.198	0.050	1.5	
2,4,6-Trichlorophenol	0.366	0.370		1.1	20.0
2-Fluorobiphenyl	1.306	1.257		-3.8	
2,4,5-Trichlorophenol	0.405	0.410		1.2	
1,1-Biphenyl	1.470	1.426		-3.0	
2-Chloronaphthalene	1.099	1.062		-3.4	
2-Nitroaniline	0.308	0.323		4.9	
Dimethylphthalate	1.454	1.428		-1.8	
Acenaphthylene	1.730	1.702		-1.6	
2,6-Dinitrotoluene	0.309	0.315		1.9	
3-Nitroaniline	0.325	0.329		1.2	
Acenaphthene	1.097	1.062		-3.2	20.0
2,4-Dinitrophenol	0.182	0.185	0.050	1.6	
4-Nitrophenol	0.280	0.283	0.050	1.1	

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1762 SAS No.: Q1762 SDG No.: Q1762

Instrument ID: BNA_P Calibration Date/Time: 04/17/2025 10:30

Lab File ID: BP024320.D Init. Calib. Date(s): 04/14/2025 04/14/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:06 17:13

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.793	1.735		-3.2	
2,4-Dinitrotoluene	0.421	0.436		3.6	
Diethylphthalate	1.499	1.463		-2.4	
4-Chlorophenyl-phenylether	0.674	0.662		-1.8	
Fluorene	1.388	1.357		-2.2	
4-Nitroaniline	0.344	0.346		0.6	
4,6-Dinitro-2-methylphenol	0.126	0.129		2.4	
n-Nitrosodiphenylamine	0.597	0.595		-0.3	20.0
2,4,6-Tribromophenol	0.277	0.282		1.8	
4-Bromophenyl-phenylether	0.219	0.223		1.8	
Hexachlorobenzene	0.260	0.264		1.5	
Atrazine	0.152	0.137		-9.9	
Pentachlorophenol	0.181	0.190		5.0	20.0
Phenanthrene	1.091	1.034		-5.2	
Anthracene	1.052	1.043		-0.9	
Carbazole	1.027	0.995		-3.1	
Di-n-butylphthalate	1.280	1.282		0.2	
Fluoranthene	1.298	1.230		-5.2	20.0
Pyrene	1.271	1.389		9.3	
Terphenyl-d14	0.992	1.068		7.7	
Butylbenzylphthalate	0.544	0.577		6.1	
3,3-Dichlorobenzidine	0.436	0.416		-4.6	
Benzo(a)anthracene	1.243	1.222		-1.7	
Chrysene	1.191	1.150		-3.4	
Bis(2-ethylhexyl)phthalate	0.798	0.738		-7.5	
Di-n-octyl phthalate	1.297	1.105		-14.8	20.0
Benzo(b)fluoranthene	1.199	1.261		5.1	
Benzo(k)fluoranthene	1.158	1.184		2.2	
Benzo(a)pyrene	1.034	1.050		1.5	20.0
Indeno(1,2,3-cd)pyrene	1.388	1.298		-6.5	
Dibenzo(a,h)anthracene	1.152	1.077		-6.5	
Benzo(g,h,i)perylene	1.173	1.101		-6.1	
1,2,4,5-Tetrachlorobenzene	0.550	0.532		-3.3	
1,4-Dioxane	0.512	0.500		-2.3	20.0
2,3,4,6-Tetrachlorophenol	0.373	0.370		-0.8	

All other compounds must meet a minimum RRF of 0.010.

SAMPLE RAW DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041625\
Data File : BP024318.D
Acq On : 16 Apr 2025 19:18
Operator : RC/JU
Sample : Q1762-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MW5

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 04/17/2025
Supervised By :Jagrut Upadhyay 04/17/2025

Quant Time: Apr 17 01:14:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.728	152	312256	20.000	ng		0.00
21) Naphthalene-d8	10.505	136	1204770	20.000	ng		0.00
39) Acenaphthene-d10	14.357	164	686283	20.000	ng		-0.01
64) Phenanthrene-d10	17.157	188	1252822	20.000	ng		-0.02
76) Chrysene-d12	21.604	240	1383650	20.000	ng		-0.02
86) Perylene-d12	24.963	264	1663367	20.000	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.352	112	1015710	53.784	ng		0.00
7) Phenol-d6	6.911	99	774027	29.933	ng		0.00
23) Nitrobenzene-d5	8.875	82	1695583	80.251	ng		0.00
42) 2,4,6-Tribromophenol	15.875	330	1130619	119.074	ng		-0.02
45) 2-Fluorobiphenyl	12.975	172	3679780	82.097	ng		0.00
79) Terphenyl-d14	19.886	244	5438798	79.230	ng		-0.04
Target Compounds							Qvalue
35) Caprolactam	11.446	113	128763m	19.928	ng		
37) 2-Methylnaphthalene	12.163	142	2569461	58.380	ng		98
38) 1-Methylnaphthalene	12.387	142	2435278	56.560	ng		100
52) Acenaphthene	14.422	154	117841	3.131	ng		96
58) Fluorene	15.422	166	271424	5.700	ng	#	98
71) Phenanthrene	17.198	178	384708	5.629	ng		98

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

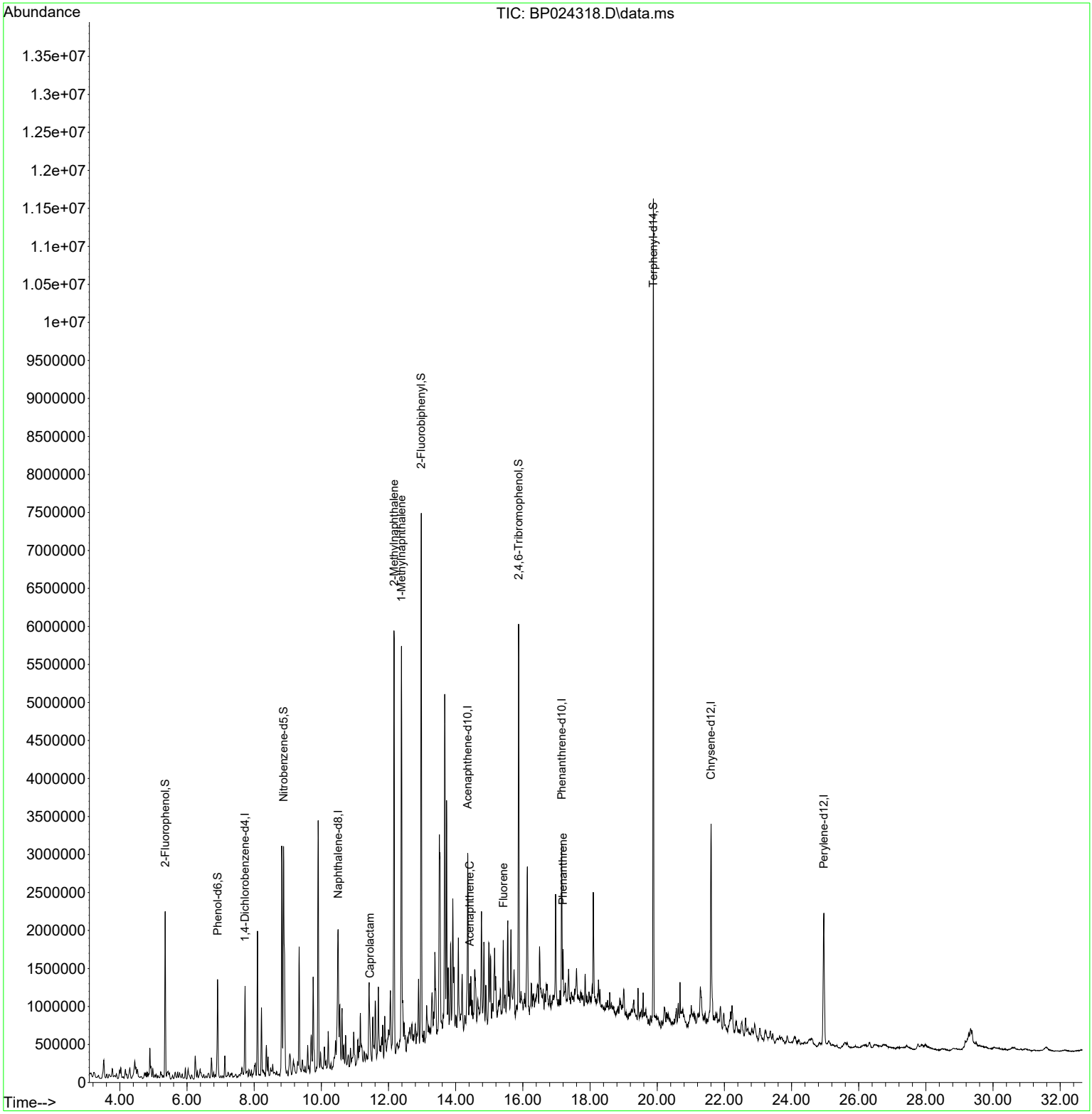
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041625\
Data File : BP024318.D
Acq On : 16 Apr 2025 19:18
Operator : RC/JU
Sample : Q1762-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

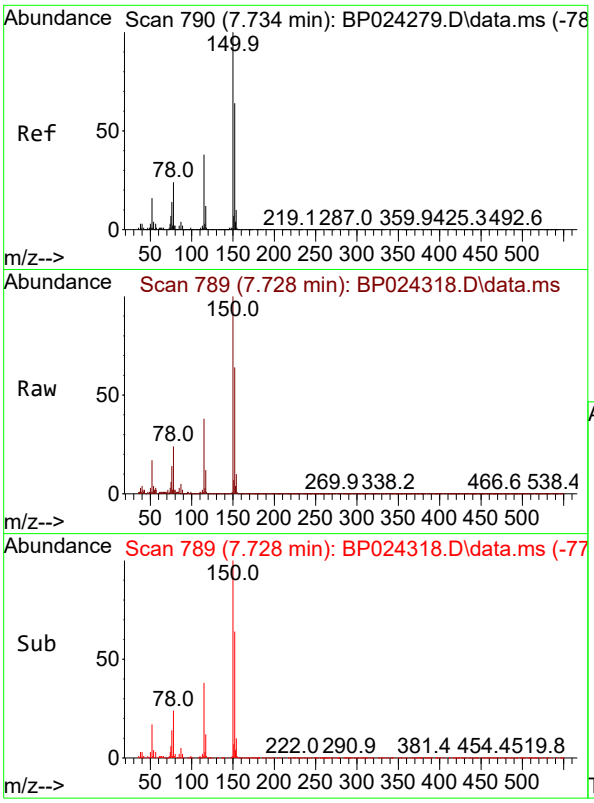
Quant Time: Apr 17 01:14:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
MW5

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 04/17/2025
Supervised By :Jagrut Upadhyay 04/17/2025

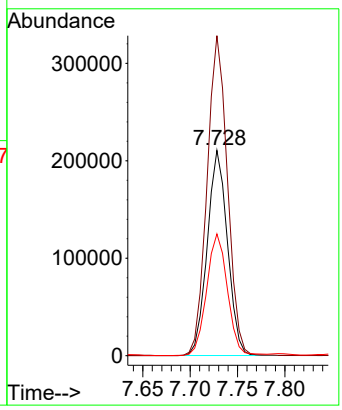




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.728 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024318.D
Acq: 16 Apr 2025 19:18

Tgt Ion:152 Resp: 31225

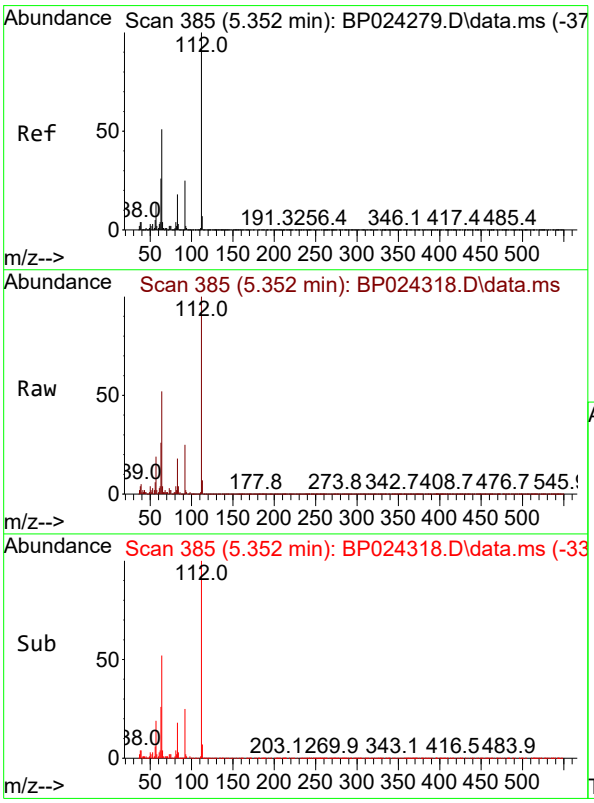
Ion	Ratio	Lower	Upper
152	100		
150	155.8	124.9	187.3
115	59.3	47.7	71.5



Instrument :
BNA_P
ClientSampleId :
MW5

Manual Integrations APPROVED

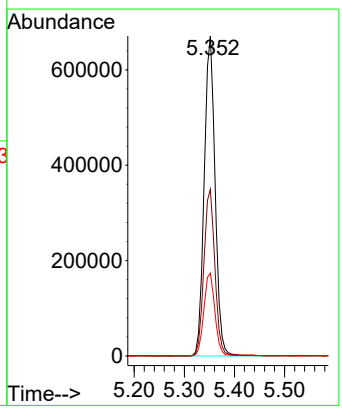
Reviewed By :Rahul Chavli 04/17/2025
Supervised By :Jagrut Upadhyay 04/17/2025

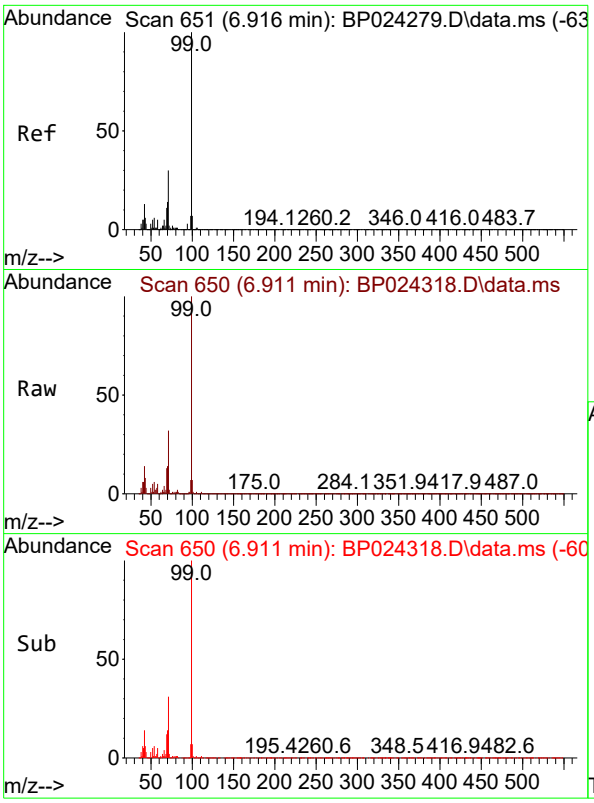


#5
2-Fluorophenol
Concen: 53.784 ng
RT: 5.352 min Scan# 385
Delta R.T. 0.000 min
Lab File: BP024318.D
Acq: 16 Apr 2025 19:18

Tgt Ion:112 Resp: 1015710

Ion	Ratio	Lower	Upper
112	100		
64	52.1	41.1	61.7
63	25.9	20.6	30.8

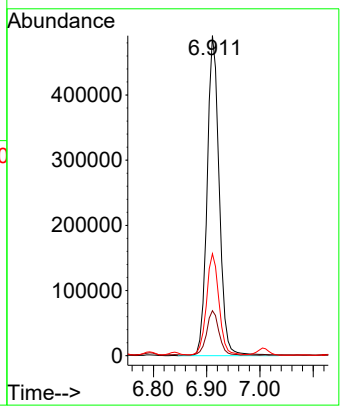




#7
Phenol-d6
Concen: 29.933 ng
RT: 6.911 min Scan# 6
Delta R.T. -0.005 min
Lab File: BP024318.D
Acq: 16 Apr 2025 19:18

Tgt Ion: 99 Resp: 77402

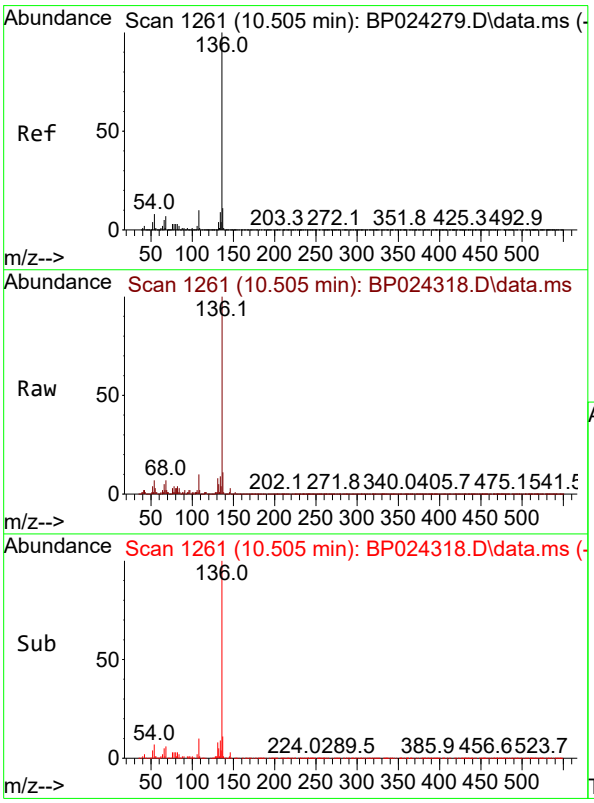
Ion	Ratio	Lower	Upper
99	100		
42	14.1	10.6	16.0
71	31.8	23.7	35.5



Instrument :
BNA_P
ClientSampleId :
MW5

Manual Integrations
APPROVED

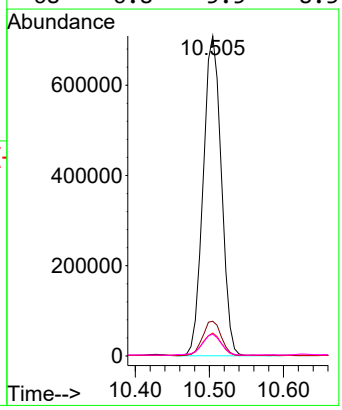
Reviewed By :Rahul Chavli 04/17/2025
Supervised By :Jagrut Upadhyay 04/17/2025

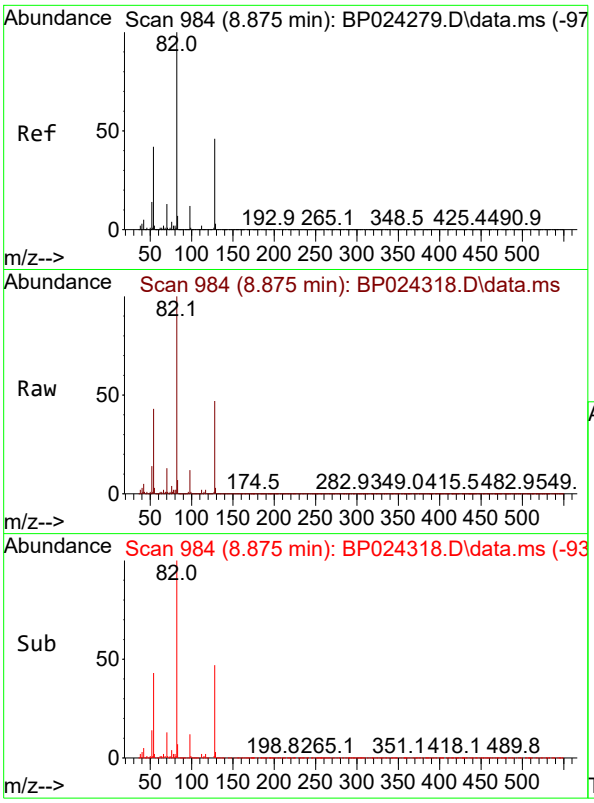


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.505 min Scan# 1261
Delta R.T. 0.000 min
Lab File: BP024318.D
Acq: 16 Apr 2025 19:18

Tgt Ion:136 Resp: 1204770

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.2	13.8
54	7.1	6.0	9.0
68	6.8	5.5	8.3

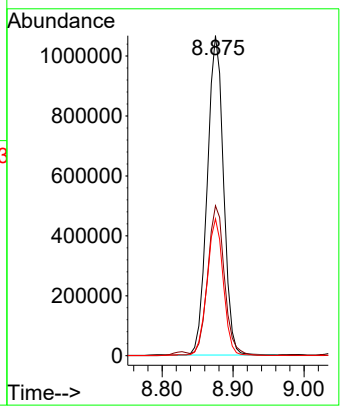




#23
Nitrobenzene-d5
Concen: 80.251 ng
RT: 8.875 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024318.D
Acq: 16 Apr 2025 19:18

Tgt Ion: 82 Resp: 169558

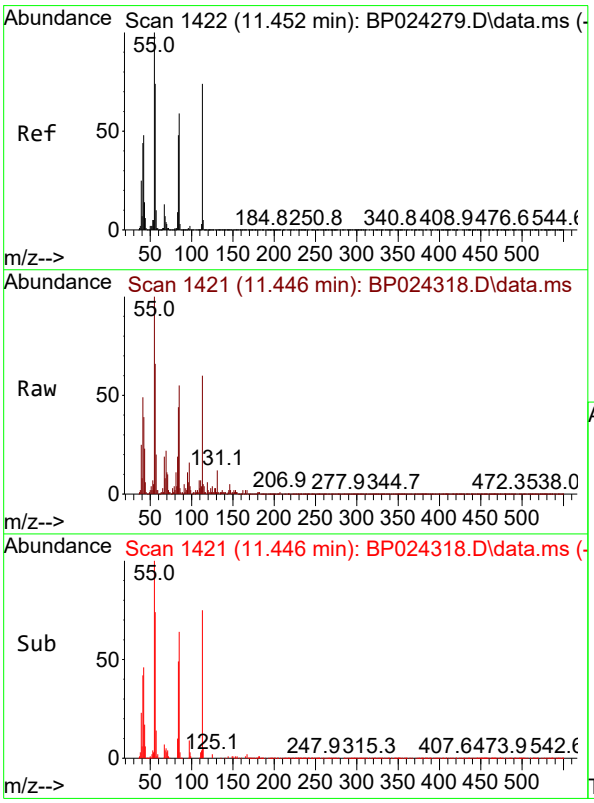
Ion	Ratio	Lower	Upper
82	100		
128	46.8	36.5	54.7
54	42.7	33.4	50.2



Instrument :
BNA_P
ClientSampleId :
MW5

Manual Integrations
APPROVED

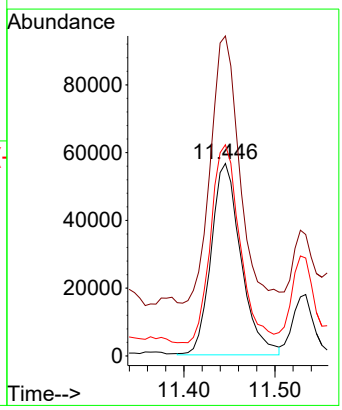
Reviewed By :Rahul Chavli 04/17/2025
Supervised By :Jagrut Upadhyay 04/17/2025

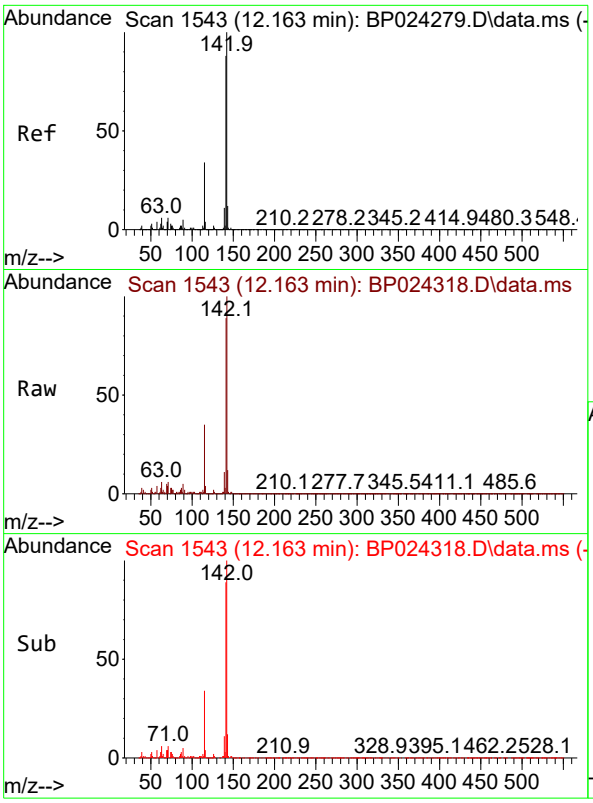


#35
Caprolactam
Concen: 19.928 ng m
RT: 11.446 min Scan# 1421
Delta R.T. -0.035 min
Lab File: BP024318.D
Acq: 16 Apr 2025 19:18

Tgt Ion:113 Resp: 128763

Ion	Ratio	Lower	Upper
113	100		
55	166.2	115.9	155.9#
56	109.7	81.1	121.1

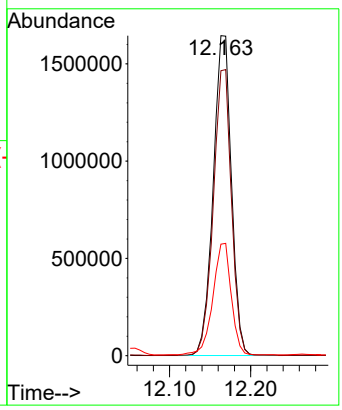




#37
2-Methylnaphthalene
Concen: 58.380 ng
RT: 12.163 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024318.D
Acq: 16 Apr 2025 19:18

Tgt Ion:142 Resp: 256946

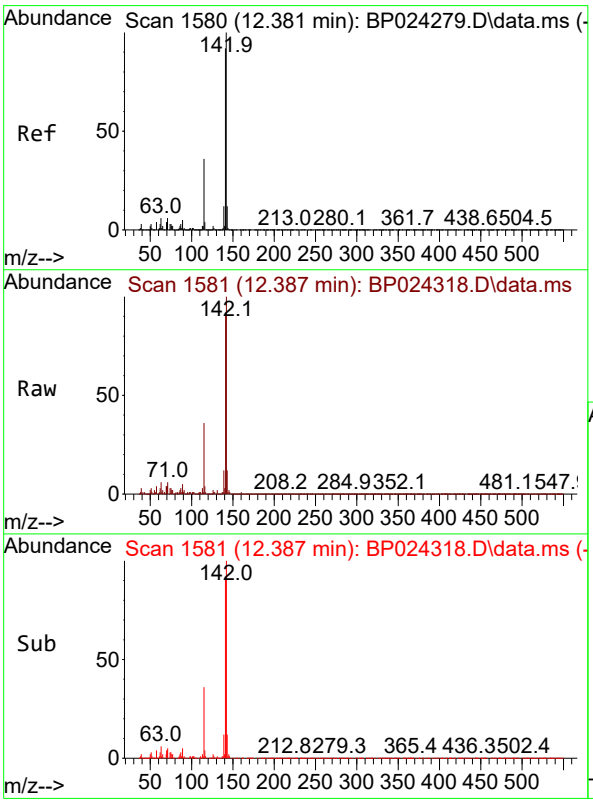
Ion	Ratio	Lower	Upper
142	100		
141	89.1	70.3	105.5
115	34.9	26.9	40.3



Instrument :
BNA_P
ClientSampleId :
MW5

Manual Integrations APPROVED

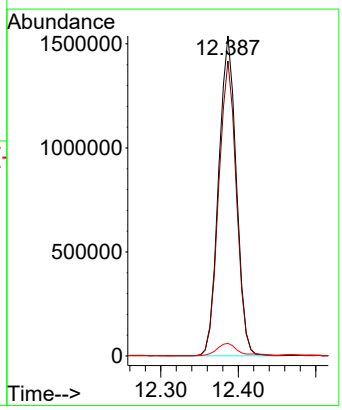
Reviewed By :Rahul Chavli 04/17/2025
Supervised By :Jagrut Upadhyay 04/17/2025

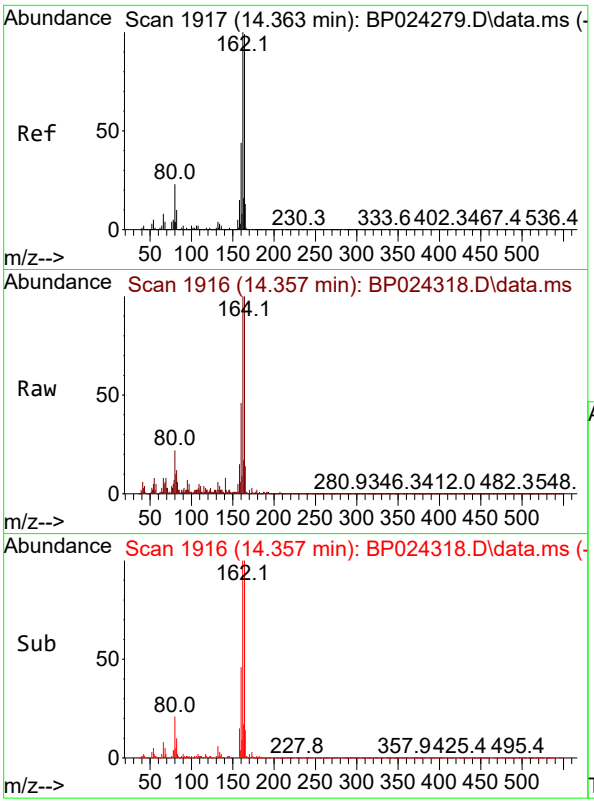


#38
1-Methylnaphthalene
Concen: 56.560 ng
RT: 12.387 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BP024318.D
Acq: 16 Apr 2025 19:18

Tgt Ion:142 Resp: 2435278

Ion	Ratio	Lower	Upper
142	100		
141	92.1	73.6	110.4
116	4.0	3.0	4.6

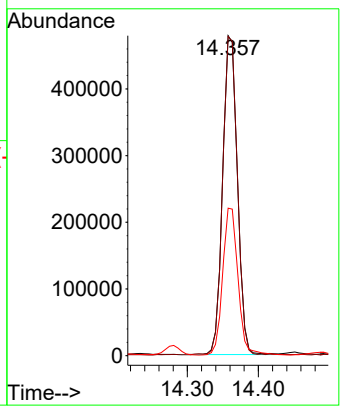




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.357 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024318.D
Acq: 16 Apr 2025 19:18

Tgt Ion:164 Resp: 68628

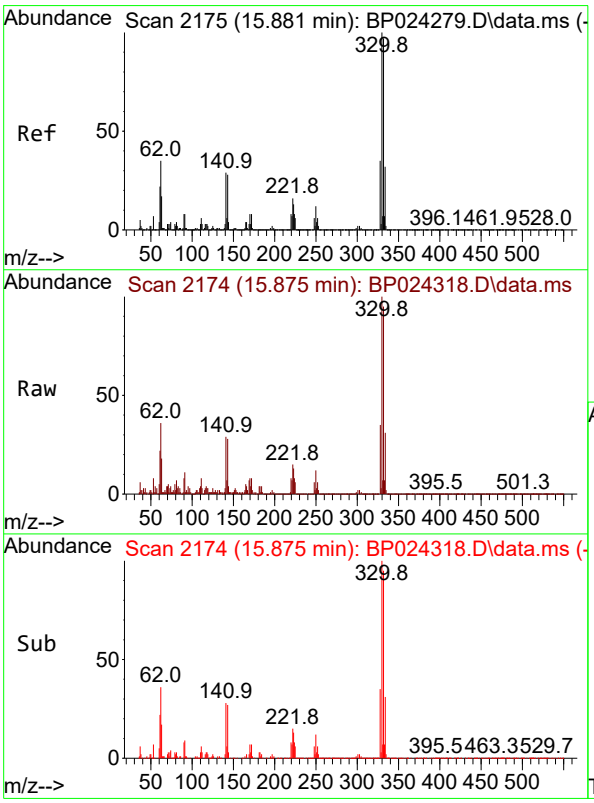
Ion	Ratio	Lower	Upper
164	100		
162	99.8	80.6	120.8
160	46.1	35.3	52.9



Instrument :
BNA_P
ClientSampleId :
MW5

Manual Integrations
APPROVED

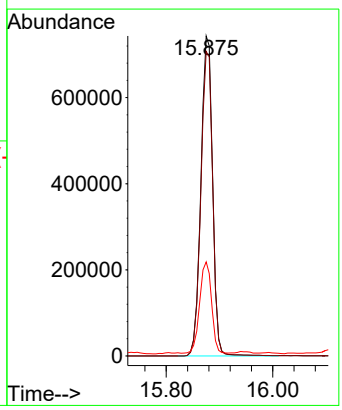
Reviewed By :Rahul Chavli 04/17/2025
Supervised By :Jagrut Upadhyay 04/17/2025

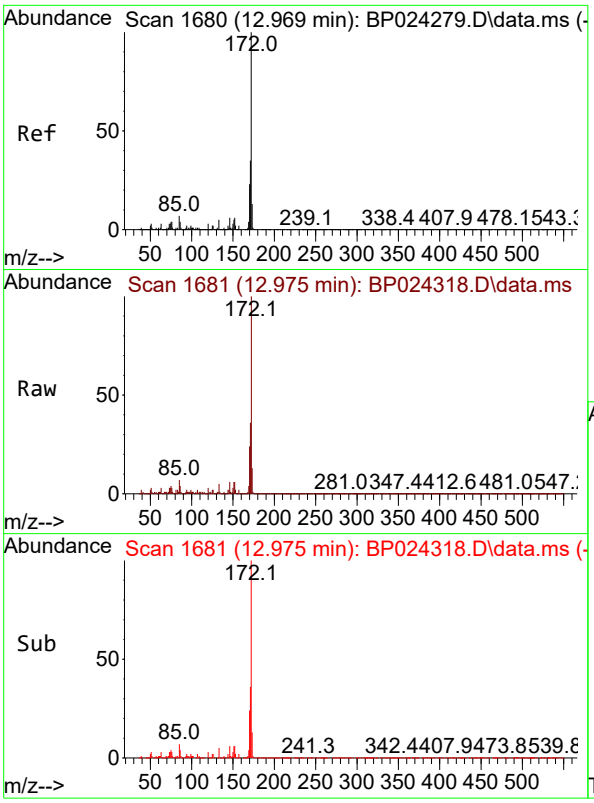


#42
2,4,6-Tribromophenol
Concen: 119.074 ng
RT: 15.875 min Scan# 2174
Delta R.T. -0.018 min
Lab File: BP024318.D
Acq: 16 Apr 2025 19:18

Tgt Ion:330 Resp: 1130619

Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.1	115.7
141	28.7	24.7	37.1

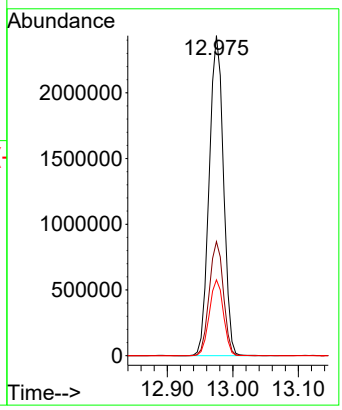




#45
2-Fluorobiphenyl
Concen: 82.097 ng
RT: 12.975 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024318.D
Acq: 16 Apr 2025 19:18

Tgt Ion:172 Resp: 367978

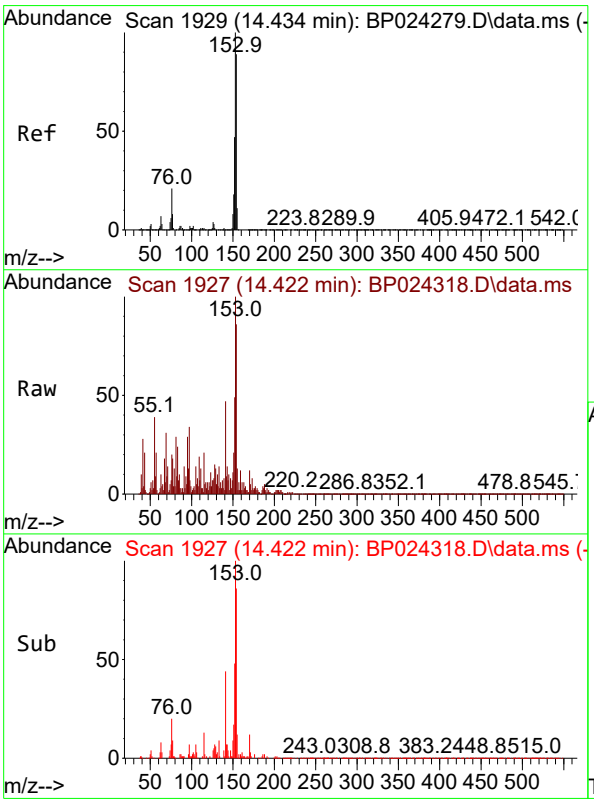
Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.2	42.2
170	23.7	18.6	27.8



Instrument :
BNA_P
ClientSampleId :
MW5

Manual Integrations APPROVED

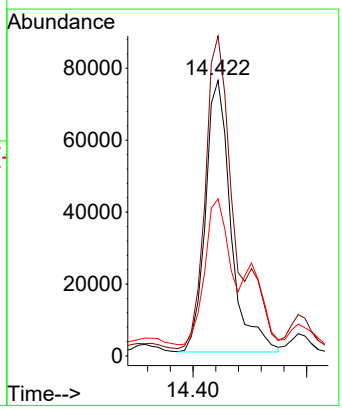
Reviewed By :Rahul Chavli 04/17/2025
Supervised By :Jagrut Upadhyay 04/17/2025

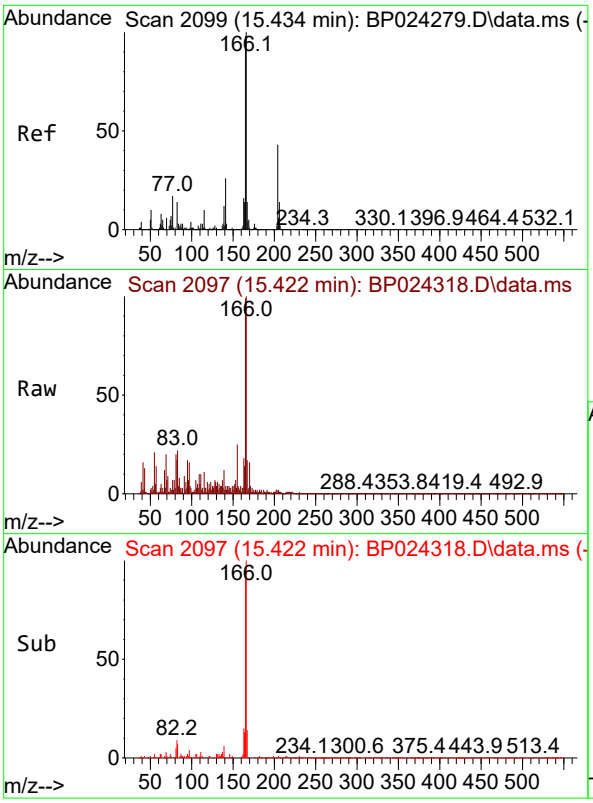


#52
Acenaphthene
Concen: 3.131 ng
RT: 14.422 min Scan# 1927
Delta R.T. -0.018 min
Lab File: BP024318.D
Acq: 16 Apr 2025 19:18

Tgt Ion:154 Resp: 117841

Ion	Ratio	Lower	Upper
154	100		
153	116.1	89.8	134.6
152	57.0	42.6	63.8

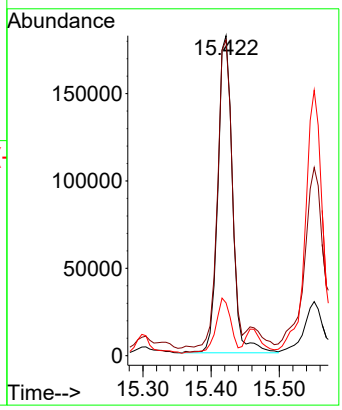




#58
Fluorene
Concen: 5.700 ng
RT: 15.422 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024318.D
Acq: 16 Apr 2025 19:18

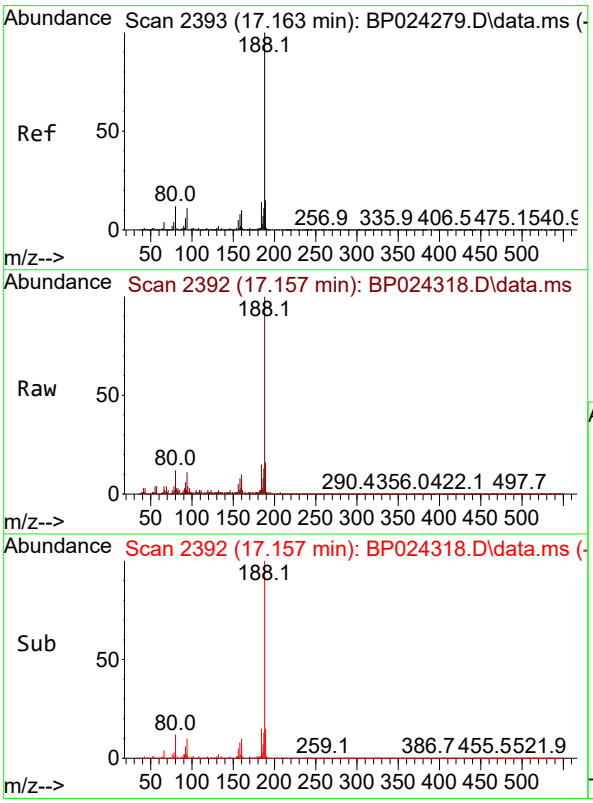
Tgt Ion:166 Resp: 27142

Ion	Ratio	Lower	Upper
166	100		
165	98.6	78.1	117.1
167	16.5	10.9	16.3#



Instrument :
BNA_P
ClientSampleId :
MW5

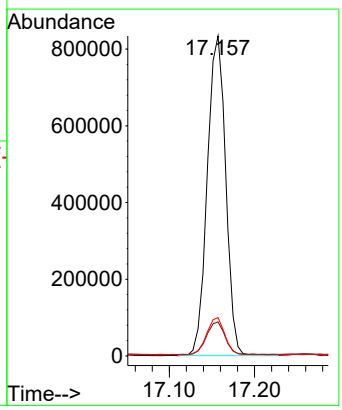
Manual Integrations
APPROVED
Reviewed By :Rahul Chavli 04/17/2025
Supervised By :Jagrut Upadhyay 04/17/2025

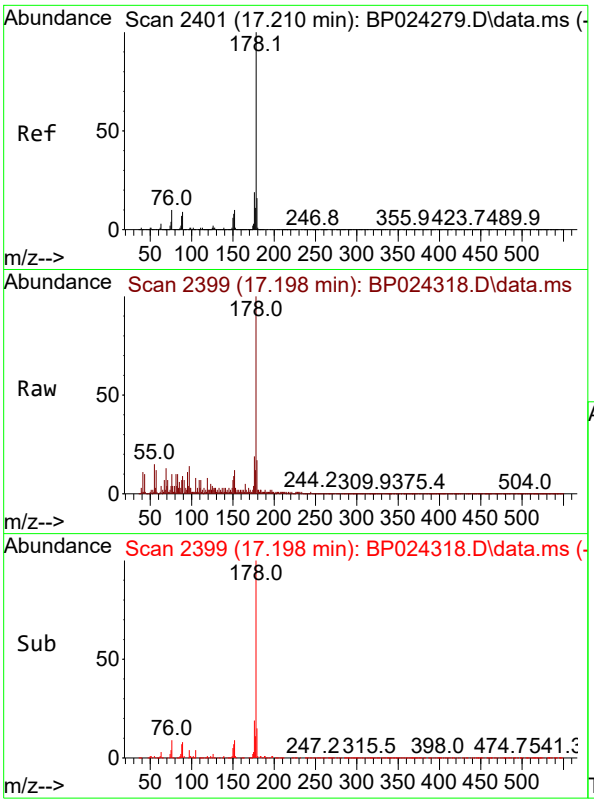


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.157 min Scan# 2392
Delta R.T. -0.023 min
Lab File: BP024318.D
Acq: 16 Apr 2025 19:18

Tgt Ion:188 Resp: 1252822

Ion	Ratio	Lower	Upper
188	100		
94	10.6	8.6	13.0
80	12.0	9.8	14.6

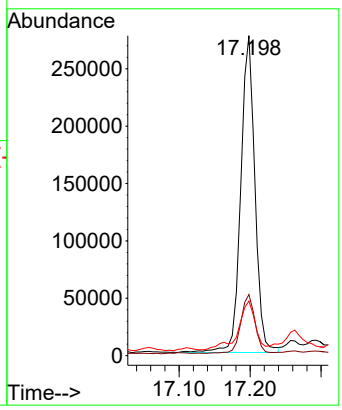




#71
Phenanthrene
Concen: 5.629 ng
RT: 17.198 min Scan# 2
Delta R.T. -0.029 min
Lab File: BP024318.D
Acq: 16 Apr 2025 19:18

Tgt Ion:178 Resp: 38470

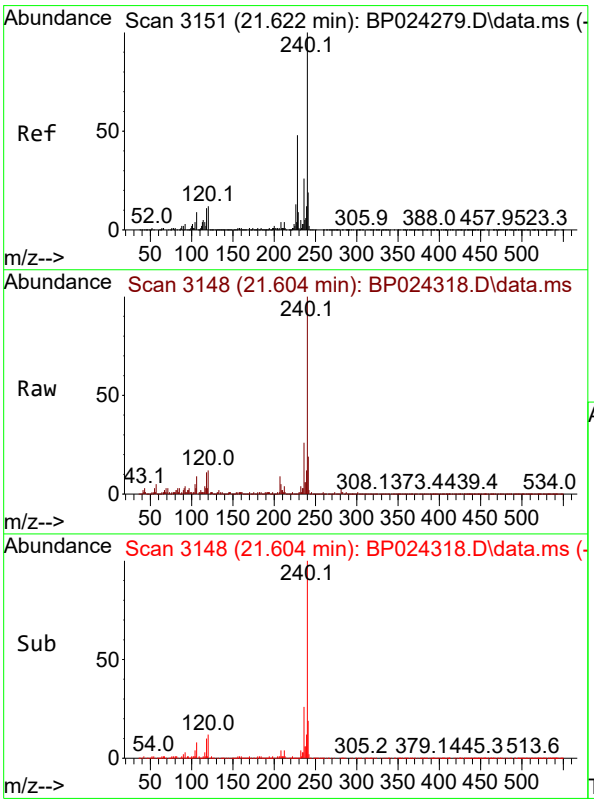
Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.0
179	17.1	12.5	18.7



Instrument :
BNA_P
ClientSampleId :
MW5

Manual Integrations APPROVED

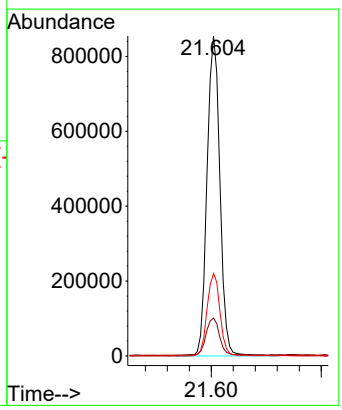
Reviewed By :Rahul Chavli 04/17/2025
Supervised By :Jagrut Upadhyay 04/17/2025

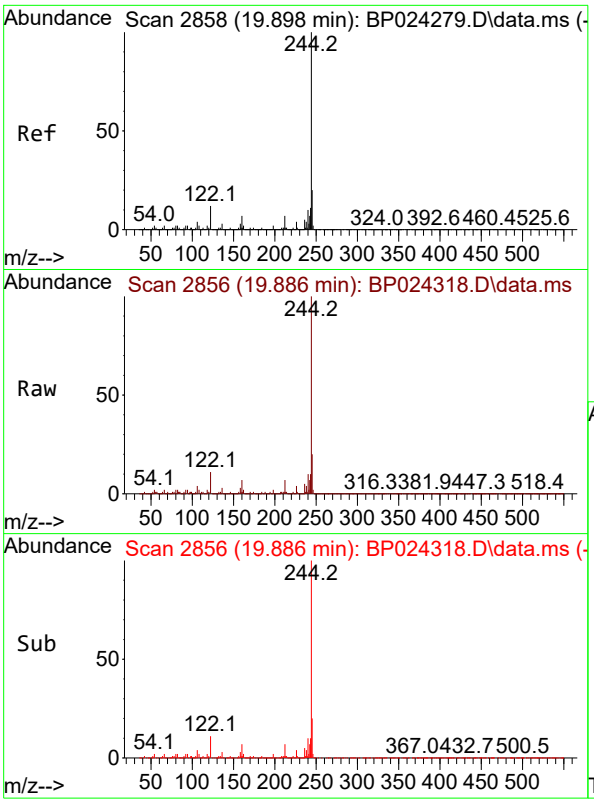


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.604 min Scan# 3148
Delta R.T. -0.017 min
Lab File: BP024318.D
Acq: 16 Apr 2025 19:18

Tgt Ion:240 Resp: 1383650

Ion	Ratio	Lower	Upper
240	100		
120	11.9	9.8	14.8
236	25.8	20.9	31.3





#79
Terphenyl-d14
Concen: 79.230 ng
RT: 19.886 min Scan# 2
Delta R.T. -0.035 min
Lab File: BP024318.D
Acq: 16 Apr 2025 19:18

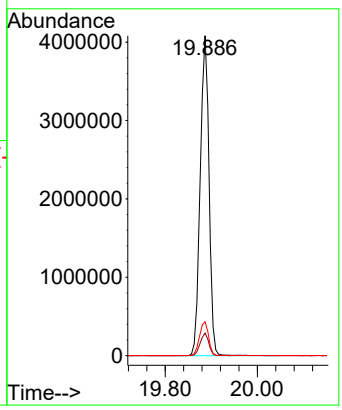
Tgt Ion:244 Resp: 543879

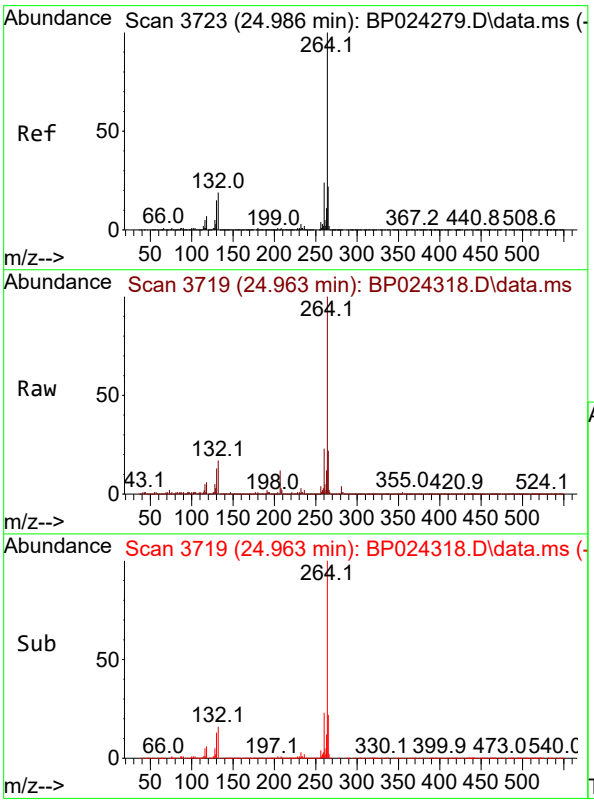
Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.6	8.4
122	10.6	9.4	14.0

Instrument :
BNA_P
ClientSampleId :
MW5

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 04/17/2025
Supervised By :Jagrut Upadhyay 04/17/2025

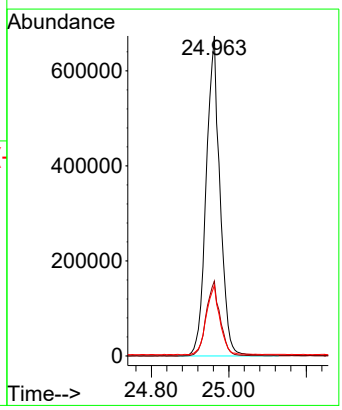




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.963 min Scan# 3719
Delta R.T. -0.023 min
Lab File: BP024318.D
Acq: 16 Apr 2025 19:18

Tgt Ion:264 Resp: 1663367

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.9	28.3
265	22.1	17.8	26.6



Sample Results: **BP024318.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041625\
Data File : BP024318.D
Acq On : 16 Apr 2025 19:18
Operator : RC/JU
Sample : Q1762-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MW5

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-BP041425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP024318.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.523	63	74	83	rBV2	239452	612442	4.30%	0.310%
2	4.164	176	183	188	rBV3	116278	253970	1.78%	0.128%
3	4.299	195	206	213	rBV4	139163	363636	2.55%	0.184%
4	4.446	215	231	234	rBV2	229667	642534	4.51%	0.325%
5	4.893	303	307	311	rBV	352433	518893	3.64%	0.263%
6	5.352	377	385	391	rBV	2182954	3264099	22.91%	1.651%
7	6.034	494	501	513	rBV5	135593	350920	2.46%	0.178%
8	6.246	530	537	544	rBV2	307377	669764	4.70%	0.339%
9	6.393	552	562	565	rBV5	114612	253237	1.78%	0.128%
10	6.728	612	619	625	rBV2	266397	493481	3.46%	0.250%
11	6.911	641	650	661	rVB	1292208	2369975	16.63%	1.199%
12	7.128	681	687	694	rBV	288872	473399	3.32%	0.240%
13	7.728	781	789	794	rVV	1171291	1918240	13.46%	0.971%
14	8.099	845	852	860	rBV	1900502	2930476	20.57%	1.483%
15	8.216	866	872	877	rBV	892952	1360486	9.55%	0.688%
16	8.363	892	897	902	rBV2	410193	719257	5.05%	0.364%
17	8.416	902	906	911	rVB	246471	380883	2.67%	0.193%
18	8.822	965	975	980	rBV	3029148	4927070	34.58%	2.493%
19	8.875	980	984	998	rVB3	2996680	7294415	51.19%	3.691%
20	9.063	1007	1016	1024	rBV9	289026	911671	6.40%	0.461%
21	9.169	1025	1034	1037	rBV	193169	416145	2.92%	0.211%
22	9.293	1049	1055	1058	rBV3	150871	280485	1.97%	0.142%
23	9.340	1058	1063	1069	rVV	1650810	2523908	17.71%	1.277%
24	9.434	1073	1079	1085	rBV6	154802	302711	2.12%	0.153%
25	9.593	1099	1106	1111	rBV3	354080	611490	4.29%	0.309%
26	9.699	1117	1124	1129	rBV3	505183	1134210	7.96%	0.574%
27	9.758	1129	1134	1144	rVB	1249825	2421256	16.99%	1.225%
28	9.905	1153	1159	1167	rBV3	3264925	5537679	38.86%	2.802%
29	9.975	1167	1171	1180	rVV	217266	367221	2.58%	0.186%
30	10.093	1184	1191	1195	rVV2	293545	561021	3.94%	0.284%
31	10.205	1205	1210	1220	rVV	504018	860449	6.04%	0.435%
32	10.422	1243	1247	1250	rVV3	335941	559758	3.93%	0.283%
33	10.499	1250	1260	1265	rVV2	1791279	4860050	34.11%	2.459%
34	10.552	1265	1269	1275	rVV3	793139	1487584	10.44%	0.753%
35	10.616	1275	1280	1285	rVV	738469	1252668	8.79%	0.634%
36	10.669	1285	1289	1293	rVV	246235	359223	2.52%	0.182%

Sample Results: **BP024318.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041625\
Data File : BP024318.D
Acq On : 16 Apr 2025 19:18
Operator : RC/JU
Sample : Q1762-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MW5

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-BP041425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	10.722	1293	1298	1303	rVB	388594	586112	4.11%	0.297%
38	10.799	1307	1311	1316	rVB3	155397	313907	2.20%	0.159%
39	10.869	1318	1323	1327	rBV2	243754	419461	2.94%	0.212%
40	10.963	1335	1339	1349	rVB2	440072	931207	6.54%	0.471%
41	11.087	1355	1360	1363	rBV	273143	380795	2.67%	0.193%
42	11.163	1369	1373	1377	rVV	509545	668492	4.69%	0.338%
43	11.422	1411	1417	1431	rVB2	1033875	2602419	18.26%	1.317%
44	11.534	1431	1436	1440	rBV	582357	1011425	7.10%	0.512%
45	11.604	1444	1448	1455	rVB	755085	1419695	9.96%	0.718%
46	11.699	1455	1464	1472	rBV2	940337	1917506	13.46%	0.970%
47	11.793	1477	1480	1483	rVV2	208359	306761	2.15%	0.155%
48	11.828	1483	1486	1491	rVB	433827	588086	4.13%	0.298%
49	11.887	1491	1496	1505	rBV2	549061	1200827	8.43%	0.608%
50	12.057	1520	1525	1530	rVB2	756390	1307944	9.18%	0.662%
51	12.163	1533	1543	1551	rVB	5565655	9794752	68.74%	4.956%
52	12.387	1575	1581	1586	rBV	5179862	8502363	59.67%	4.302%
53	12.463	1592	1594	1598	rVB2	220501	255460	1.79%	0.129%
54	12.563	1606	1611	1614	rBV7	179851	350540	2.46%	0.177%
55	12.893	1663	1667	1672	rVB2	847212	1277404	8.97%	0.646%
56	12.975	1672	1681	1686	rBV	6975773	10863798	76.25%	5.496%
57	13.134	1705	1708	1717	rBV3	420355	910967	6.39%	0.461%
58	13.298	1730	1736	1741	rBV3	510574	1144905	8.04%	0.579%
59	13.381	1747	1750	1753	rBV	871065	1184018	8.31%	0.599%
60	13.516	1767	1773	1774	rBV	2492722	3451873	24.23%	1.746%
61	13.675	1794	1800	1805	rVV	4391824	7787588	54.66%	3.940%
62	13.728	1805	1809	1814	rVV	2988234	4331218	30.40%	2.191%
63	13.781	1814	1818	1822	rVV	783587	1149023	8.06%	0.581%
64	13.851	1825	1830	1834	rVV2	1090229	1748034	12.27%	0.884%
65	13.916	1836	1841	1844	rVV	1676523	2757814	19.36%	1.395%
66	13.946	1844	1846	1852	rVB	774324	1018838	7.15%	0.515%
67	14.081	1864	1869	1879	rVB	1087114	1616717	11.35%	0.818%
68	14.193	1884	1888	1895	rVB3	741972	1296087	9.10%	0.656%
69	14.357	1909	1916	1922	rVB	2126207	3487453	24.48%	1.764%
70	14.416	1923	1926	1929	rVV2	395018	498606	3.50%	0.252%
71	14.451	1929	1932	1937	rVB2	507759	615046	4.32%	0.311%
72	14.493	1937	1939	1943	rVB	251541	276554	1.94%	0.140%
73	14.569	1947	1952	1962	rVB	683397	2009568	14.10%	1.017%
74	14.657	1964	1967	1972	rBV2	243640	439293	3.08%	0.222%
75	14.769	1980	1986	1991	rVB3	1335778	2159366	15.16%	1.093%
76	14.840	1994	1998	2004	rVB2	1030230	1635412	11.48%	0.827%

Sample Results: **BP024318.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041625\
Data File : BP024318.D
Acq On : 16 Apr 2025 19:18
Operator : RC/JU
Sample : Q1762-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MW5

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-BP041425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	14.898	2004	2008	2016	rVB4	514588	892659	6.26%	0.452%
78	14.987	2018	2023	2028	rBV	1014979	1857528	13.04%	0.940%
79	15.040	2028	2032	2037	rVB	814374	1295870	9.09%	0.656%
80	15.157	2046	2052	2055	rBV2	777170	1382551	9.70%	0.699%
81	15.416	2092	2096	2101	rBV2	924479	1264656	8.88%	0.640%
82	15.551	2114	2119	2123	rBV	1056216	1572903	11.04%	0.796%
83	15.587	2123	2125	2129	rVB3	370455	488702	3.43%	0.247%
84	15.645	2130	2135	2144	rBV3	1034854	2014265	14.14%	1.019%
85	15.875	2168	2174	2181	rBV	5045635	7917066	55.56%	4.006%
86	16.134	2210	2218	2223	rBV2	1843214	3663844	25.71%	1.854%
87	16.498	2276	2280	2291	rBV3	750436	1646223	11.55%	0.833%
88	16.975	2357	2361	2371	rVB2	1445092	2224051	15.61%	1.125%
89	17.157	2387	2392	2396	rBV2	2115984	3335602	23.41%	1.688%
90	17.198	2396	2399	2402	rVB	630195	777920	5.46%	0.394%
91	17.857	2507	2511	2516	rVB2	373965	494906	3.47%	0.250%
92	18.098	2548	2552	2559	rVB2	1383053	2081877	14.61%	1.053%
93	19.428	2775	2778	2785	rBV2	415923	570425	4.00%	0.289%
94	19.581	2801	2804	2808	rVB2	312042	379775	2.67%	0.192%
95	19.886	2850	2856	2861	rBV	10769716	14248537	100.00%	7.209%
96	20.628	2978	2982	2987	rBV3	237396	381819	2.68%	0.193%
97	20.680	2988	2991	2994	rVV	426208	445620	3.13%	0.225%
98	21.286	3090	3094	3104	rVB5	378910	1035643	7.27%	0.524%
99	21.604	3142	3148	3159	rVB2	2576461	5017713	35.22%	2.539%
100	24.963	3711	3719	3733	rVB	1723108	4199763	29.48%	2.125%

Sum of corrected areas: 197651958

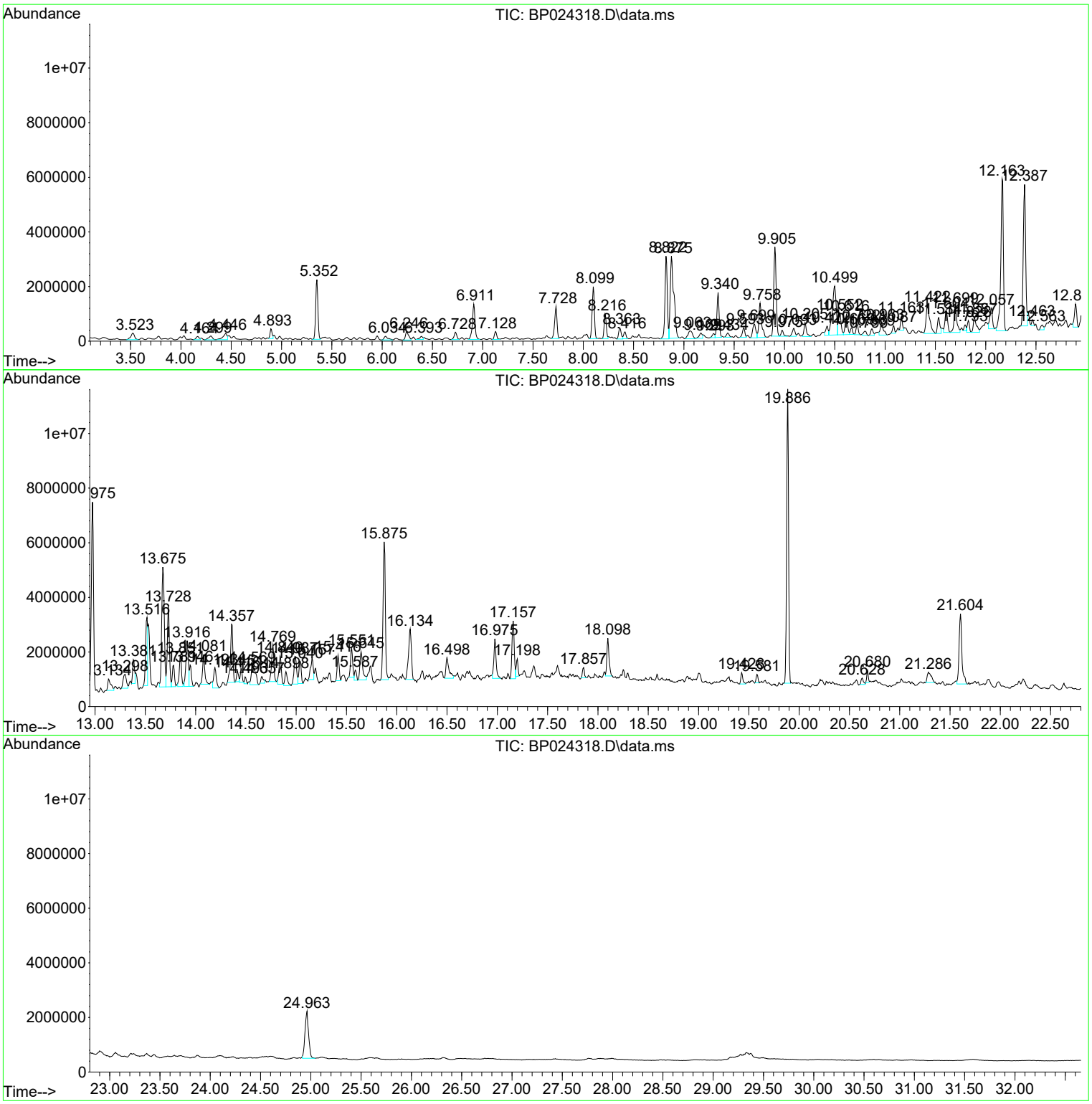
Sample Results: **BP024318.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041625\
Data File : BP024318.D
Acq On : 16 Apr 2025 19:18
Operator : RC/JU
Sample : Q1762-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MW5

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.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\BP041625\
Data File : BP024318.D
Acq On : 16 Apr 2025 19:18
Operator : RC/JU
Sample : Q1762-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MW5

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

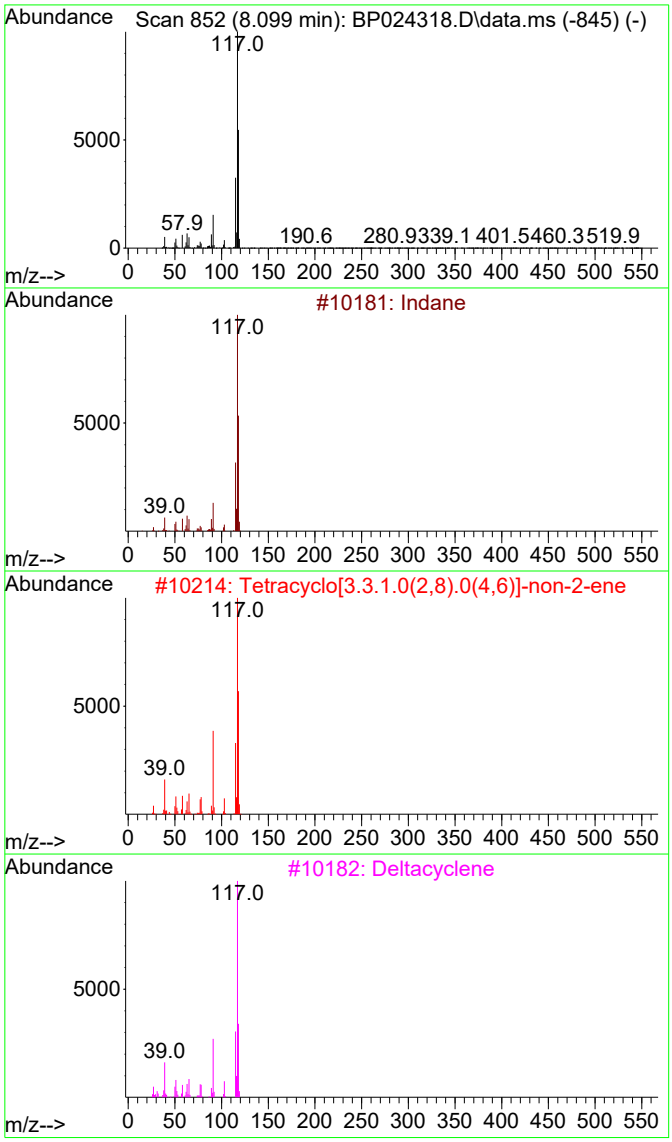
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

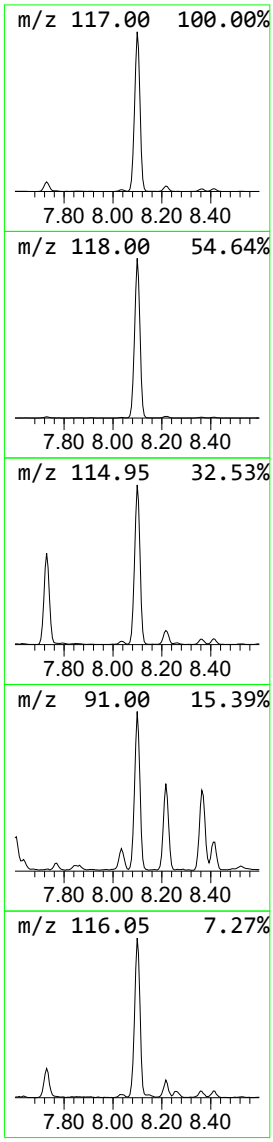
****

Peak Number 1 Indane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.099	30.55 ng	2930480	1,4-Dichlorobenzene-d4	7.728

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	64
3	Deltacyclene	118	C9H10	007785-10-6	59
4	Benzene, 1,1'-(1,5-hexadiene-1,6...	234	C18H18	004439-45-6	59
5	Benzeneethanol, .beta.-ethenyl-	148	C10H12O	006052-63-7	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041625\
Data File : BP024318.D
Acq On : 16 Apr 2025 19:18
Operator : RC/JU
Sample : Q1762-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MW5

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

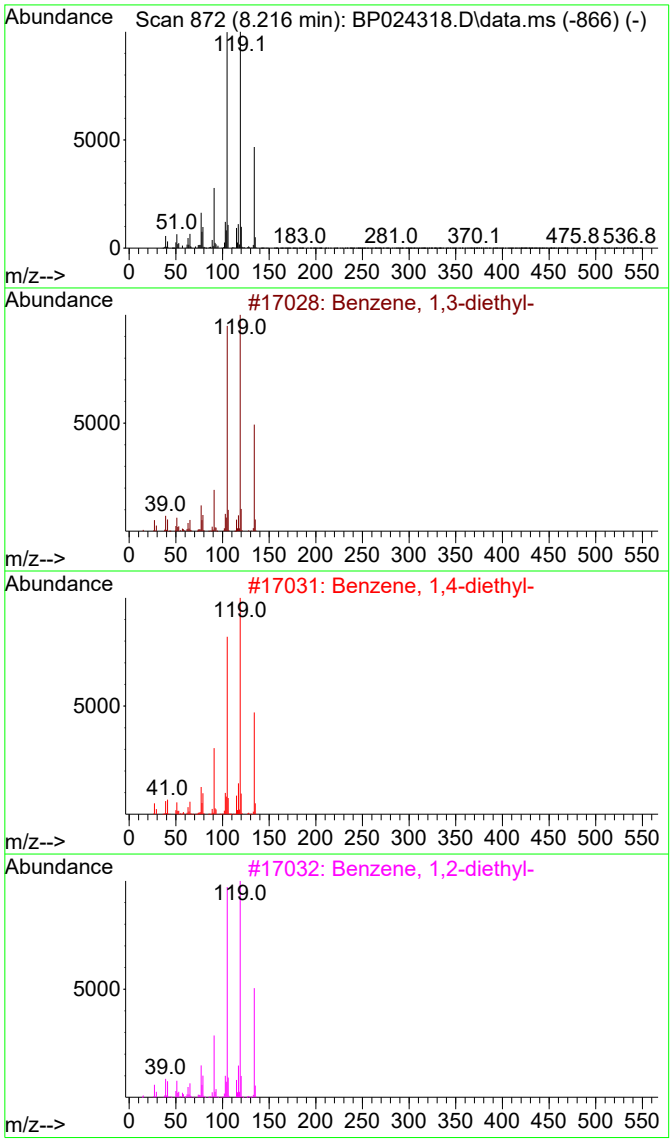
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

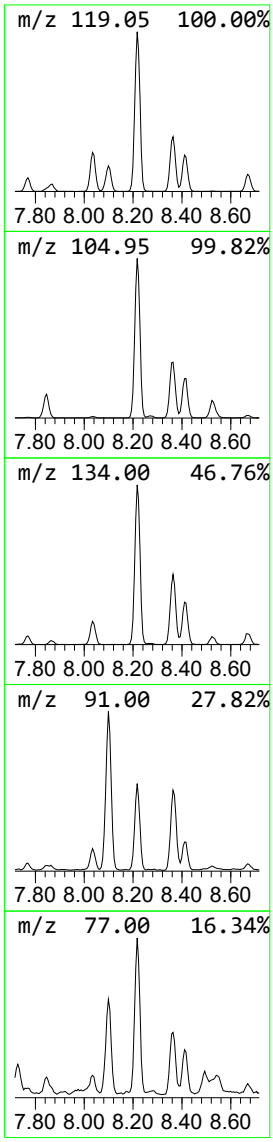
****

Peak Number 2 Benzene, 1,3-diethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.216	14.18 ng	1360490	1,4-Dichlorobenzene-d4	7.728

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	96
2	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	95
3	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	95
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041625\
Data File : BP024318.D
Acq On : 16 Apr 2025 19:18
Operator : RC/JU
Sample : Q1762-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MW5

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

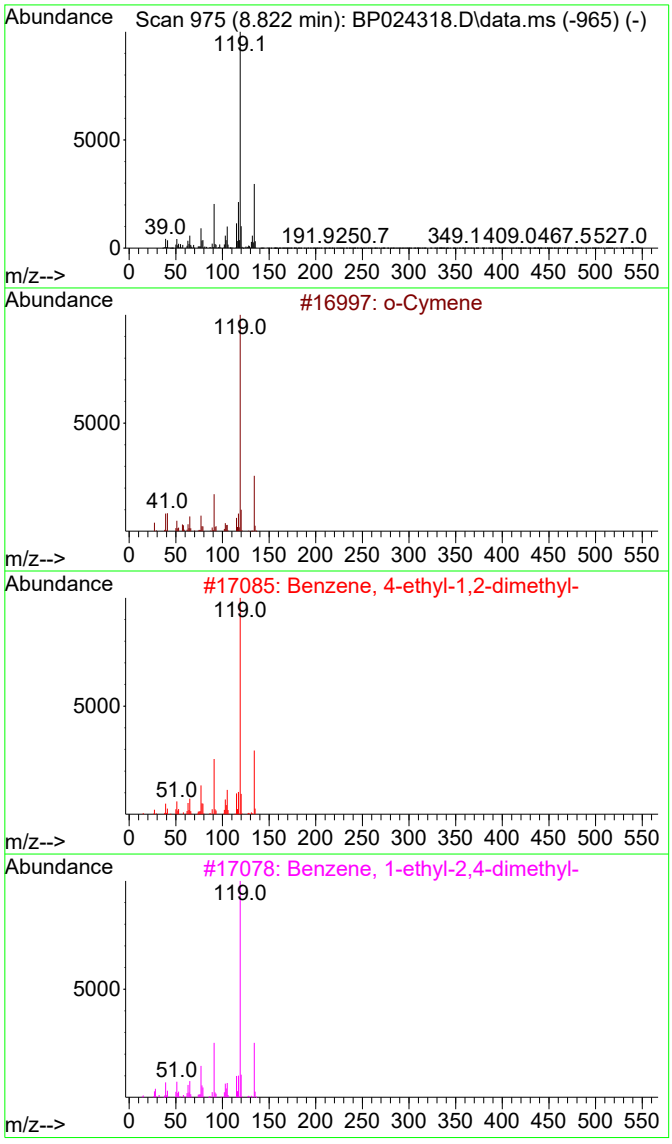
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

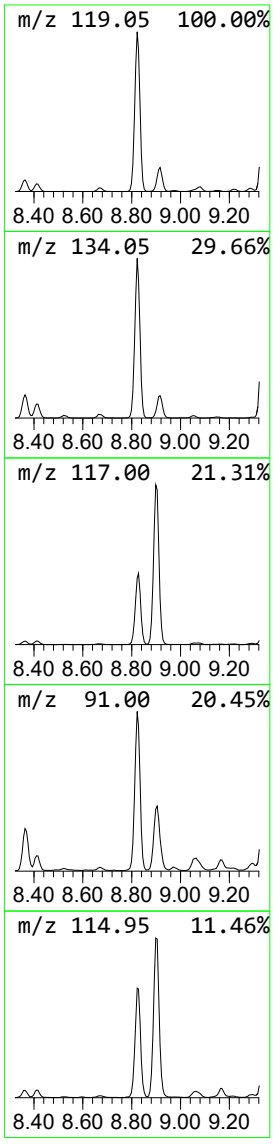
****

Peak Number 3 o-Cymene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.822	51.37 ng	4927070	1,4-Dichlorobenzene-d4	7.728

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	94
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041625\
Data File : BP024318.D
Acq On : 16 Apr 2025 19:18
Operator : RC/JU
Sample : Q1762-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MW5

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

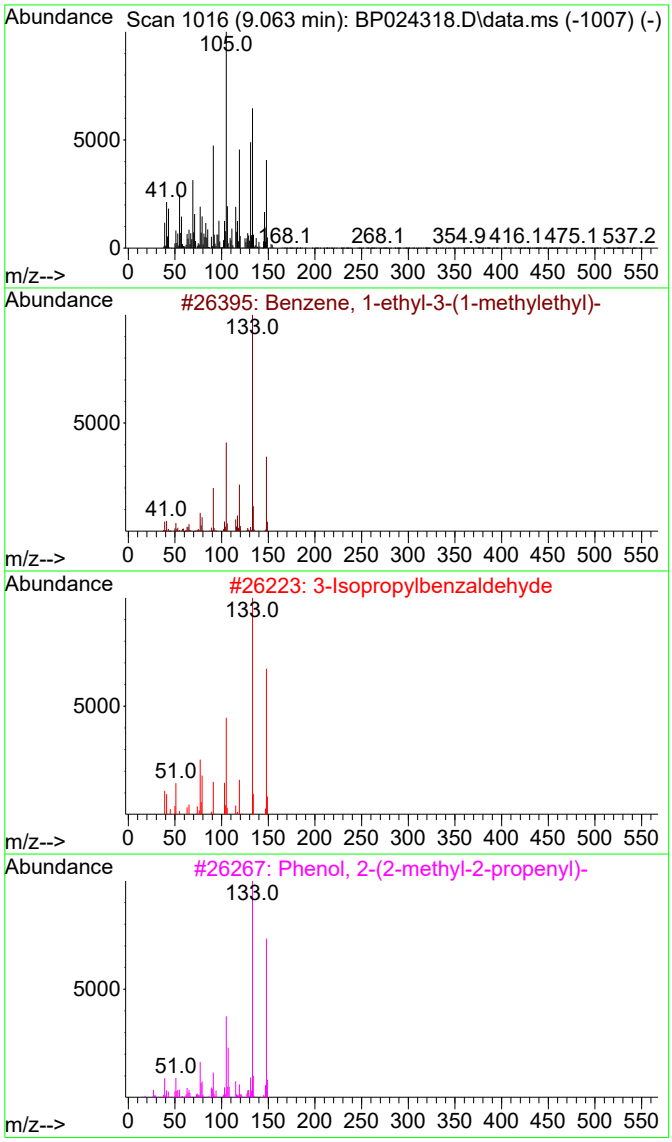
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

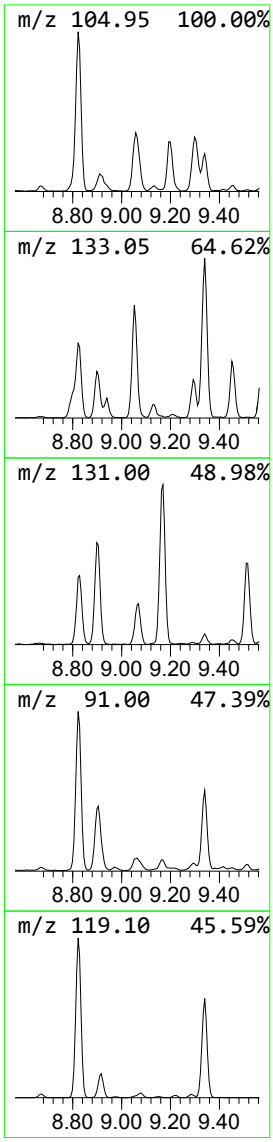
****

Peak Number 4 unknown9.063 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.063	9.51 ng	911671	1,4-Dichlorobenzene-d4	7.728

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	49
2	3-Isopropylbenzaldehyde	148	C10H12O	034246-57-6	46
3	Phenol, 2-(2-methyl-2-propenyl)-	148	C10H12O	020944-88-1	45
4	Benzene, 1-methoxy-2-(1-methylet...	148	C10H12O	010278-02-1	41
5	Benzaldehyde, 4-(1-methylethyl)-	148	C10H12O	000122-03-2	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041625\
Data File : BP024318.D
Acq On : 16 Apr 2025 19:18
Operator : RC/JU
Sample : Q1762-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MW5

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

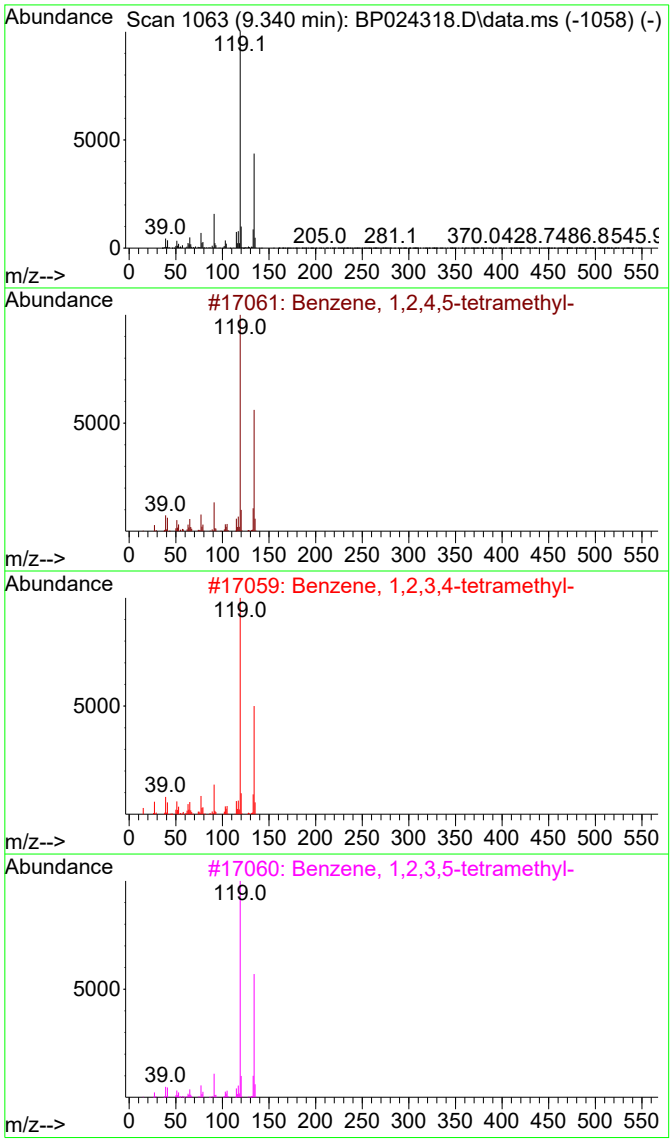
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

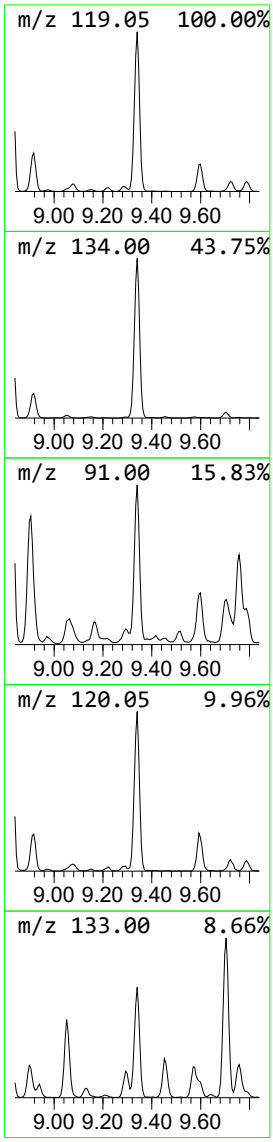
****

Peak Number 5 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.340	10.39 ng	2523910	Naphthalene-d8	10.505

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
4	o-Cymene	134	C10H14	000527-84-4	94
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041625\
Data File : BP024318.D
Acq On : 16 Apr 2025 19:18
Operator : RC/JU
Sample : Q1762-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MW5

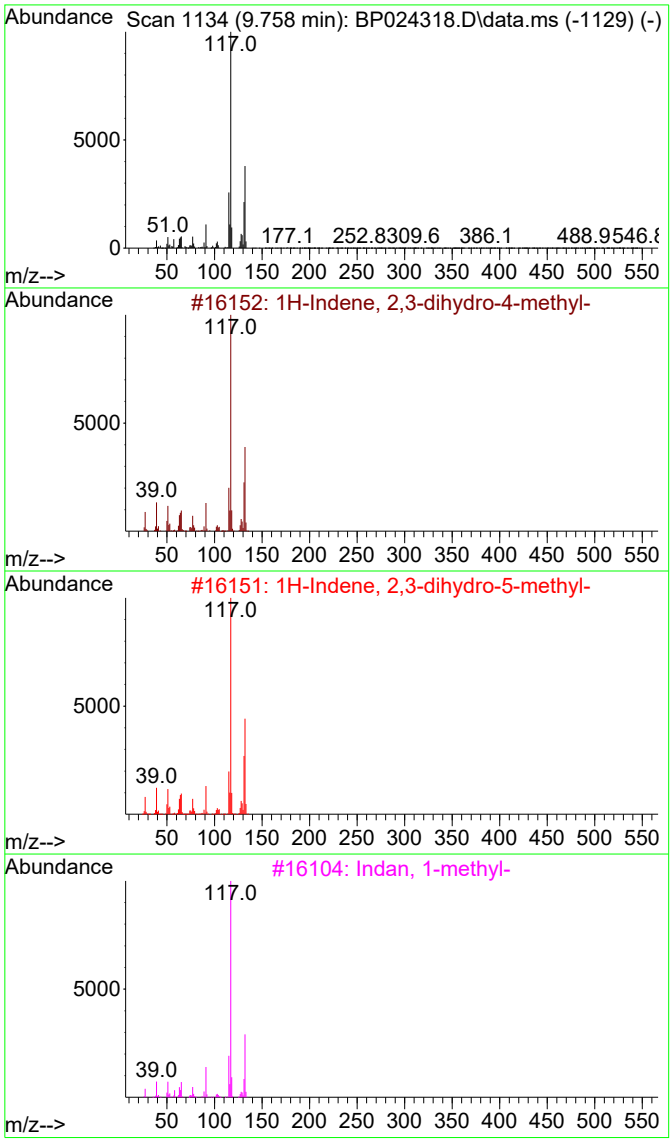
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

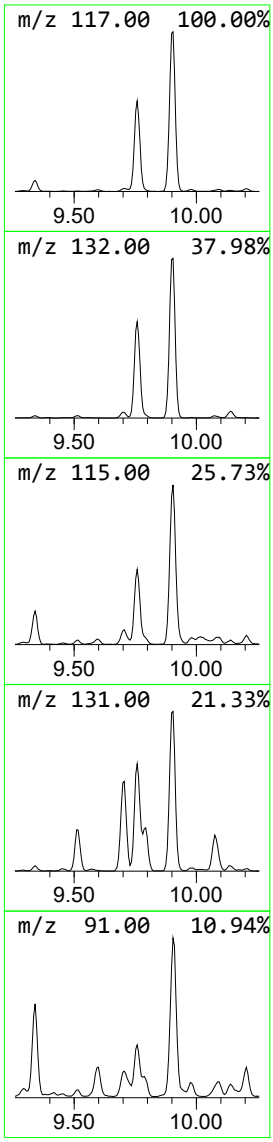
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.758	9.96 ng	2421260	Naphthalene-d8	10.505

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	90
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	86
3	Indan, 1-methyl-	132	C10H12	000767-58-8	81
4	1-Phenyl-1-butene	132	C10H12	000824-90-8	80
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041625\
Data File : BP024318.D
Acq On : 16 Apr 2025 19:18
Operator : RC/JU
Sample : Q1762-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MW5

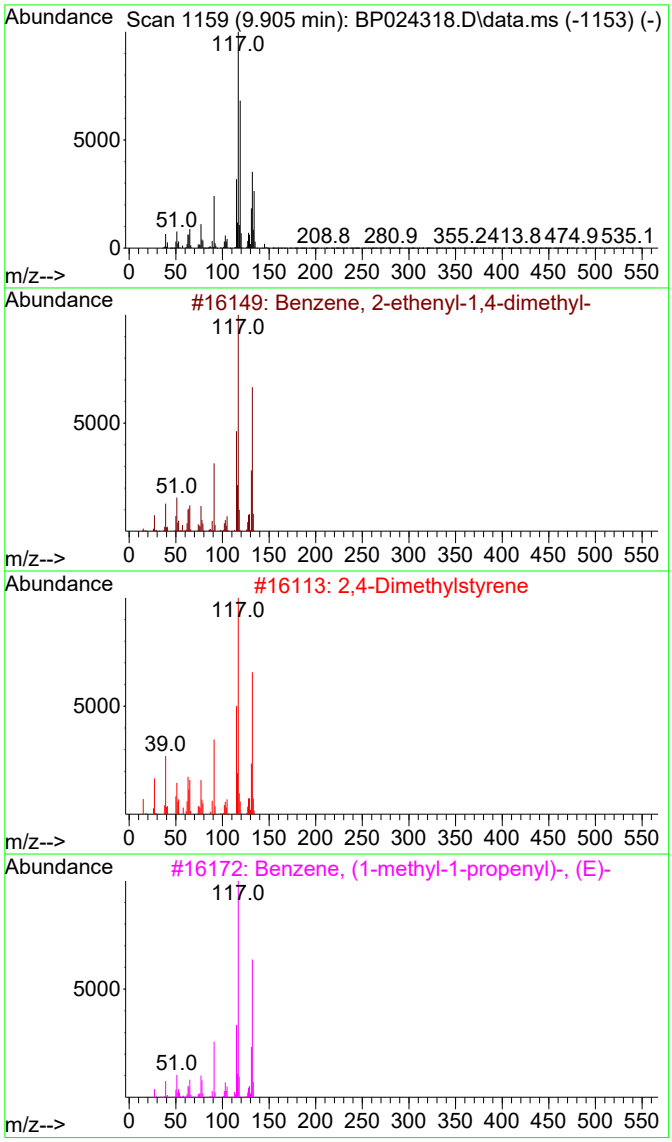
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

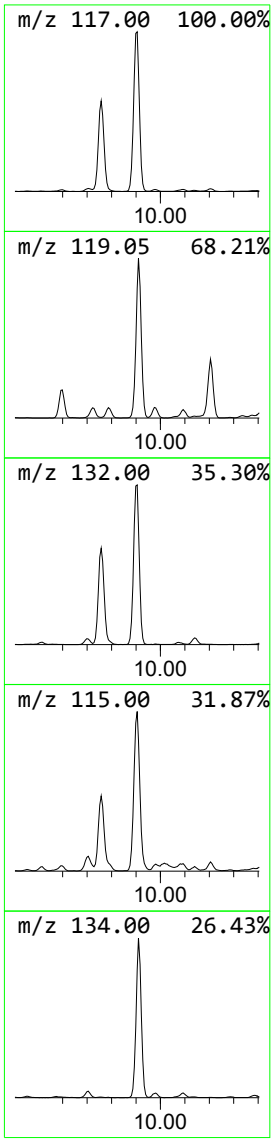
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.905	22.79 ng	5537680	Naphthalene-d8	10.505

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	95
2	2,4-Dimethylstyrene	132	C10H12	002234-20-0	87
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	86
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	70
5	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	70





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041625\
Data File : BP024318.D
Acq On : 16 Apr 2025 19:18
Operator : RC/JU
Sample : Q1762-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MW5

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

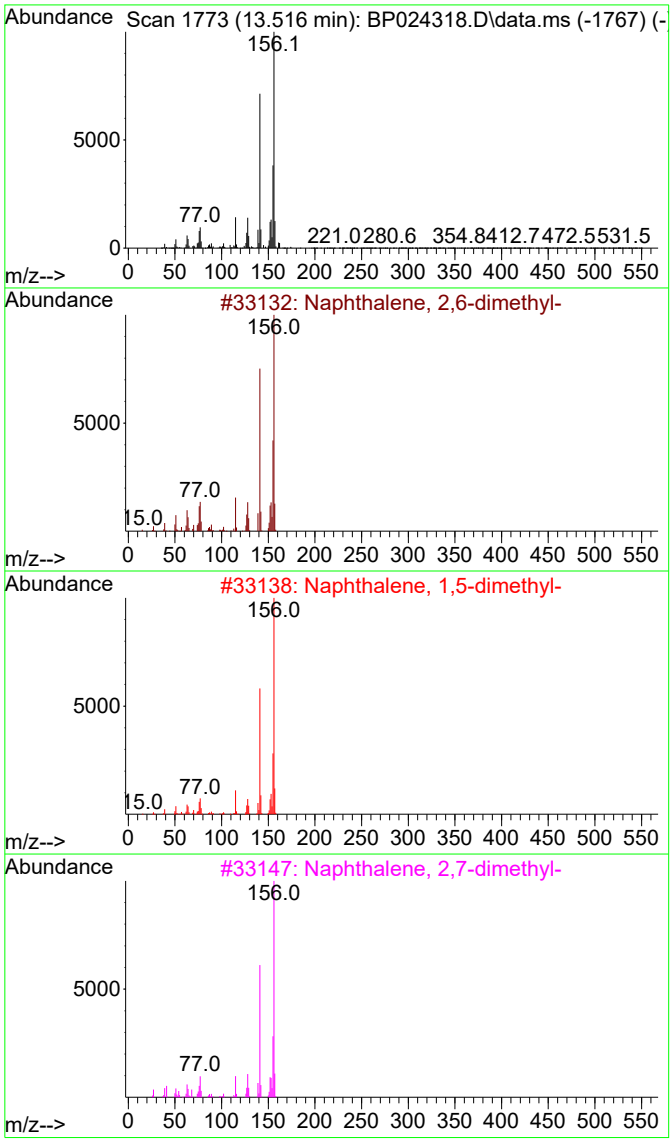
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

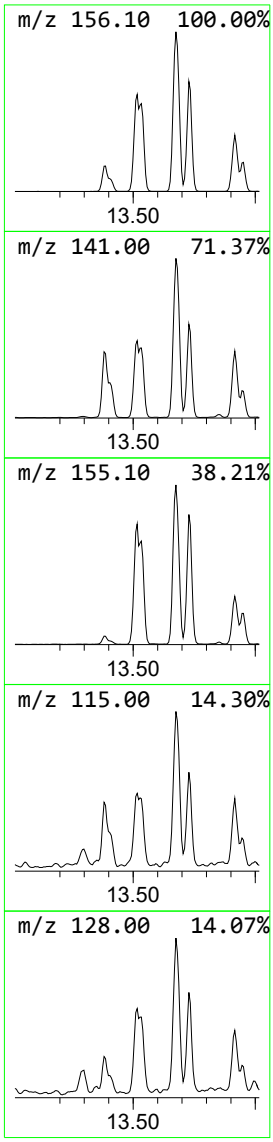
****

Peak Number 8 Naphthalene, 2,6-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.516	19.80 ng	3451870	Acenaphthene-d10	14.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96





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Acq On : 16 Apr 2025 19:18
Operator : RC/JU
Sample : Q1762-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MW5

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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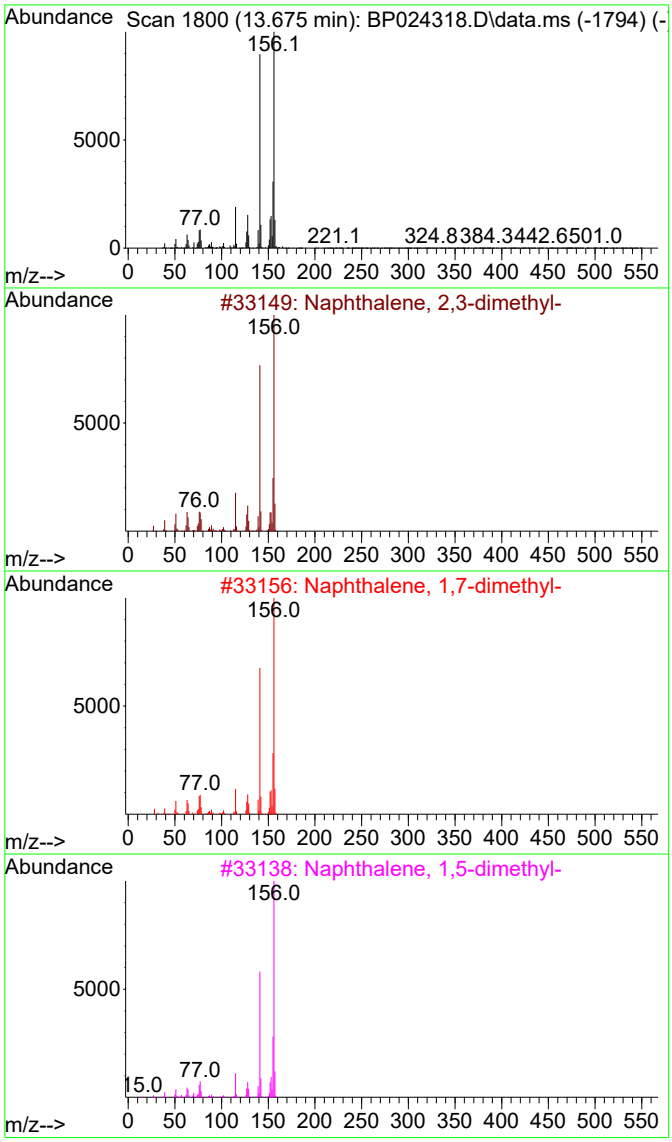
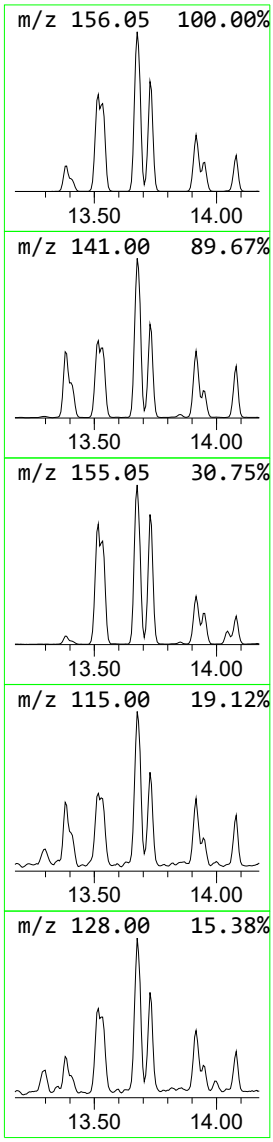
Peak Number 9 Naphthalene, 2,3-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.675	44.66 ng	7787590	Acenaphthene-d10	14.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97





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Acq On : 16 Apr 2025 19:18
Operator : RC/JU
Sample : Q1762-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MW5

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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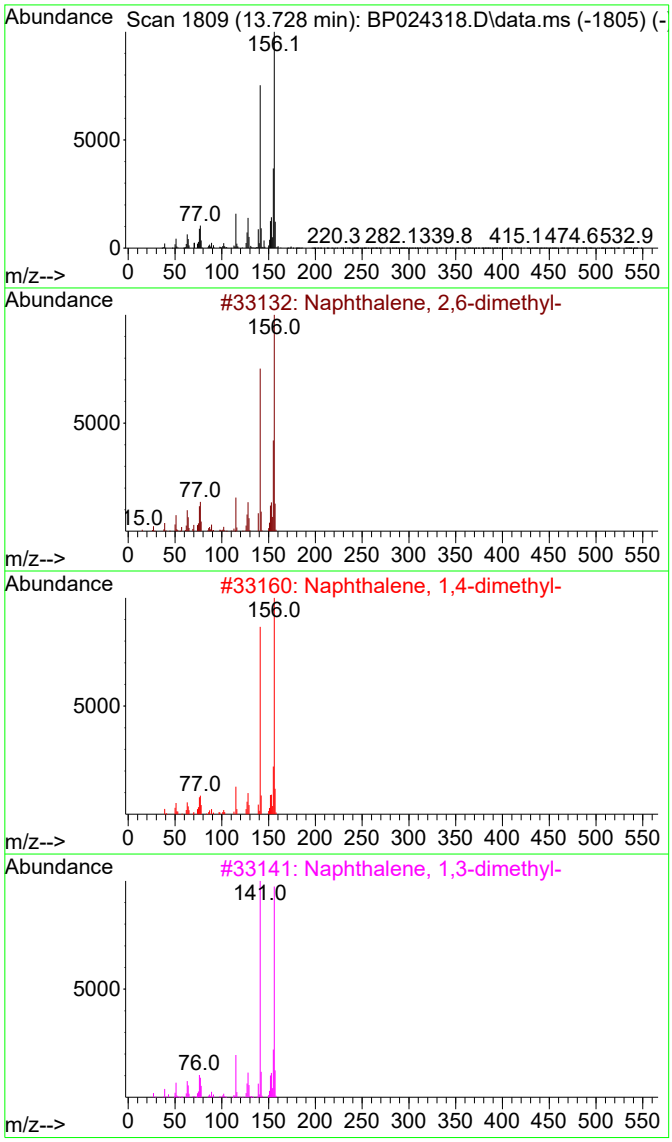
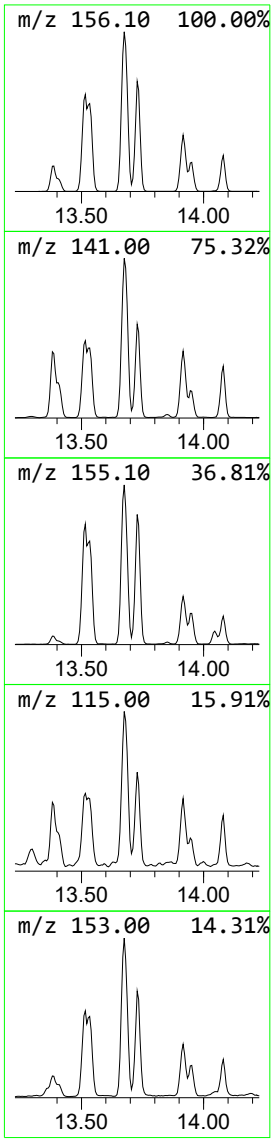
Peak Number 10 Naphthalene, 1,4-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.728	24.84 ng	4331220	Acenaphthene-d10	14.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
4	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96





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Sample : Q1762-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MW5

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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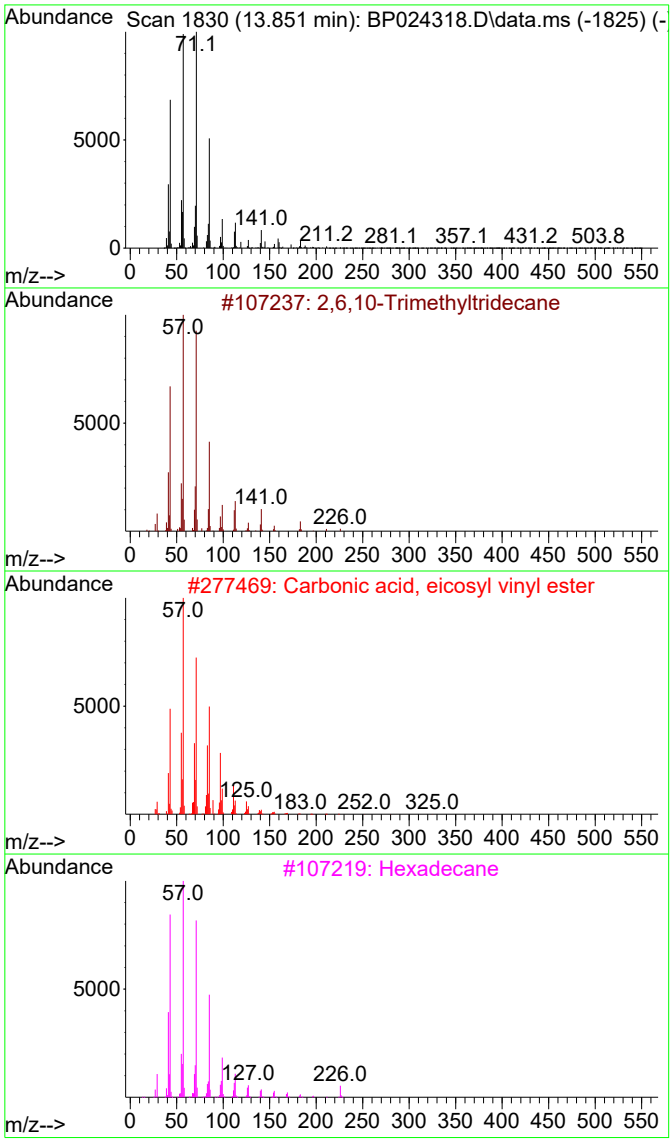
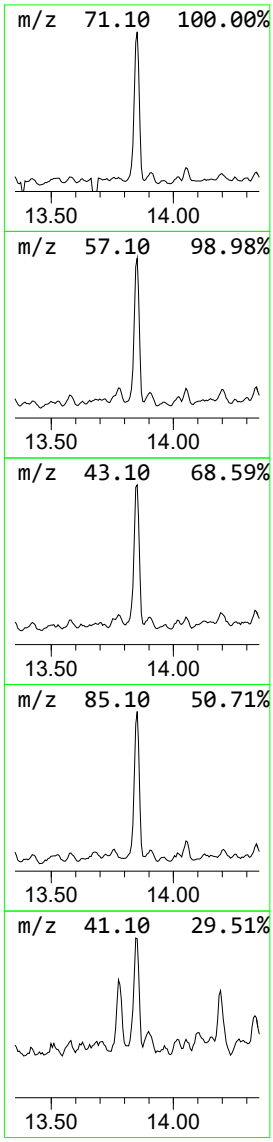
Peak Number 11 2,6,10-Trimethyltridecane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.851	10.02 ng	1748030	Acenaphthene-d10	14.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,6,10-Trimethyltridecane	226	C16H34	003891-99-4	87
2	Carbonic acid, eicosyl vinyl ester	368	C23H44O3	1000382-54-3	86
3	Hexadecane	226	C16H34	000544-76-3	80
4	Hexadecane, 7-methyl-	240	C17H36	026730-20-1	64
5	Decane, 5,6-dipropyl-	226	C16H34	119209-20-0	59





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Acq On : 16 Apr 2025 19:18
Operator : RC/JU
Sample : Q1762-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MW5

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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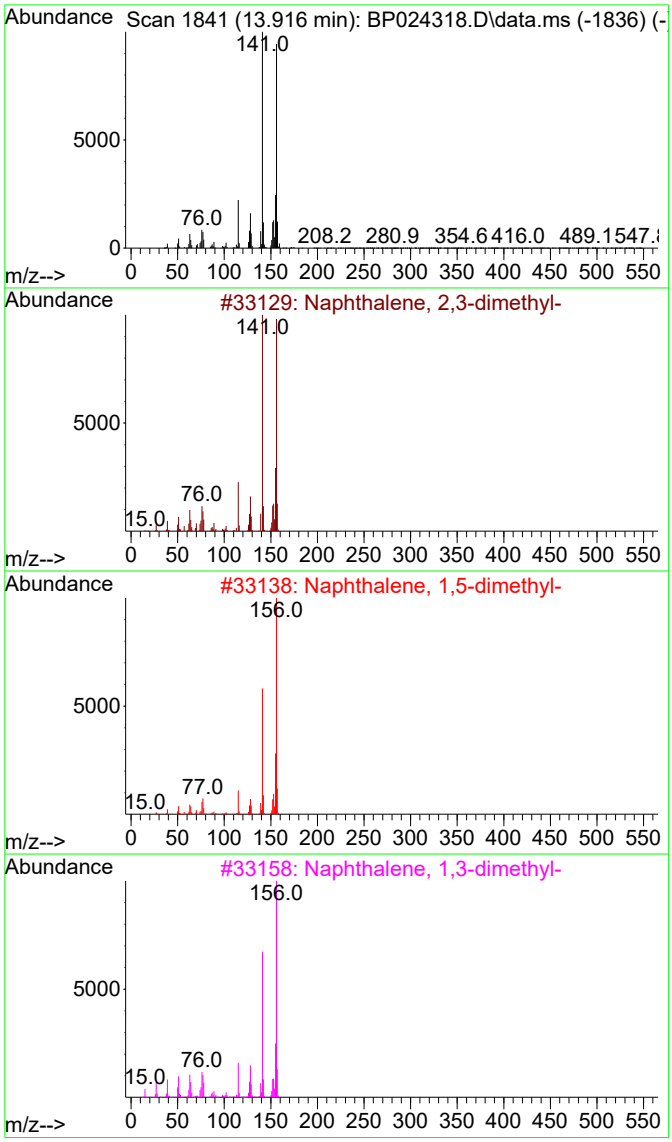
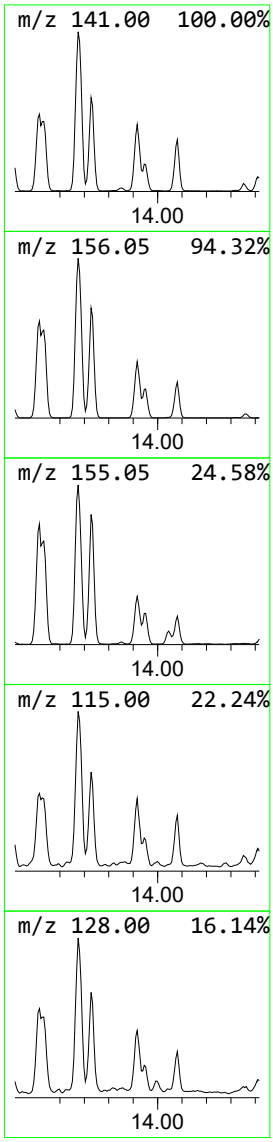
Peak Number 12 Naphthalene, 1,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.916	15.82 ng	2757810	Acenaphthene-d10	14.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	97





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Sample : Q1762-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MW5

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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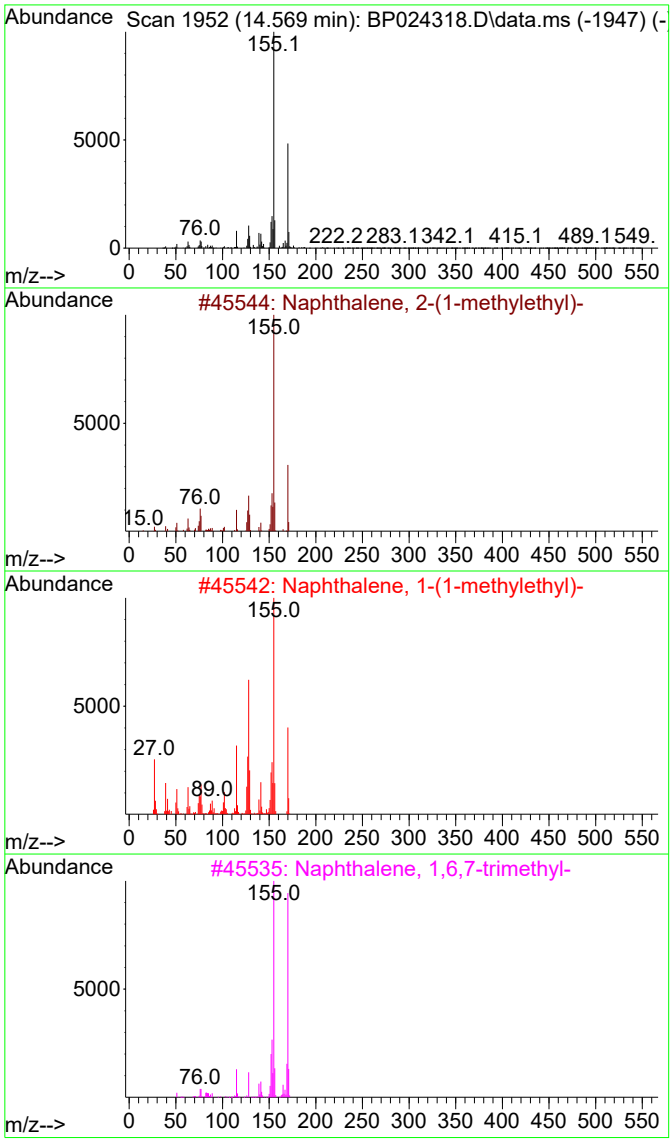
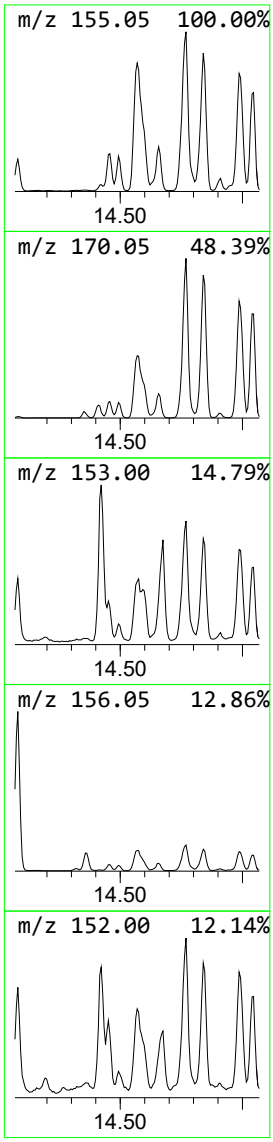
Peak Number 13 Naphthalene, 2-(1-methyleth... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.569	11.52 ng	2009570	Acenaphthene-d10	14.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	91
2	Naphthalene, 1-(1-methylethyl)-	170	C13H14	006158-45-8	76
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	76
4	2-Naphthyl methyl ketone	170	C12H10O	000093-08-3	72
5	Ethanone, 1-(1-Naphthalenyl)-	170	C12H10O	000941-98-0	72





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Sample : Q1762-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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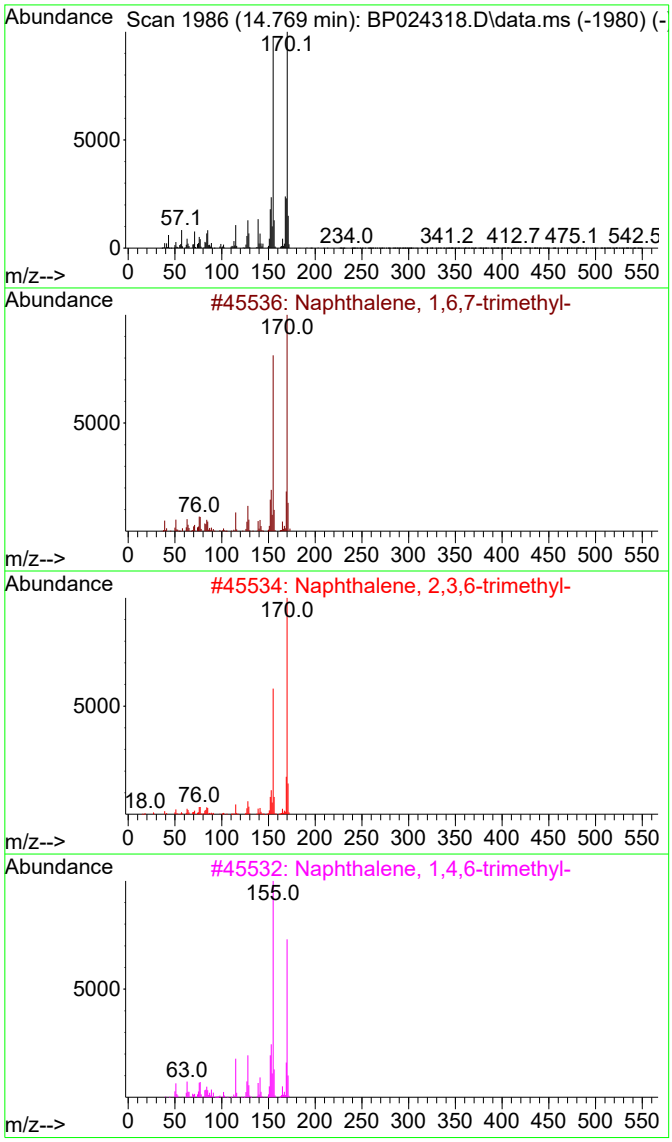
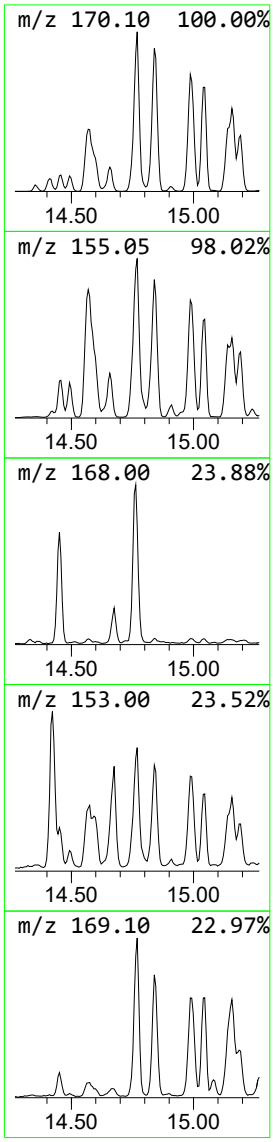
Peak Number 14 Naphthalene, 1,6,7-trimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.769	12.38 ng	2159370	Acenaphthene-d10	14.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	90
5	1-(2,2-Dimethylcyclopropyl)-2-ph...	170	C13H14	1000294-91-1	90





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Data File : BP024318.D
Acq On : 16 Apr 2025 19:18
Operator : RC/JU
Sample : Q1762-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MW5

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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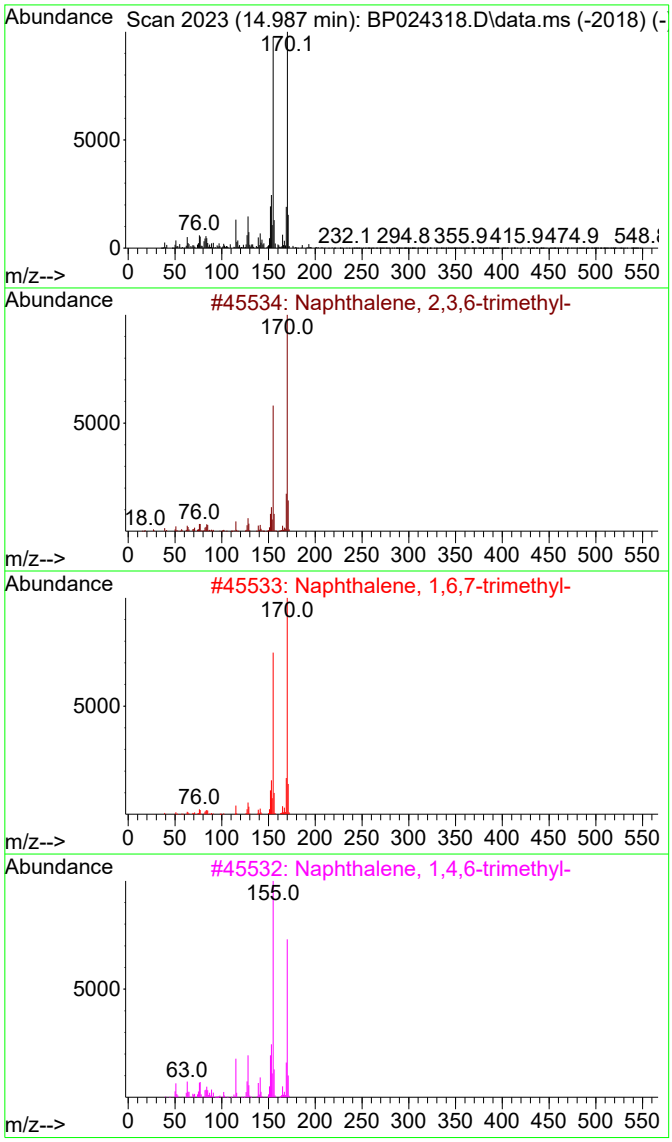
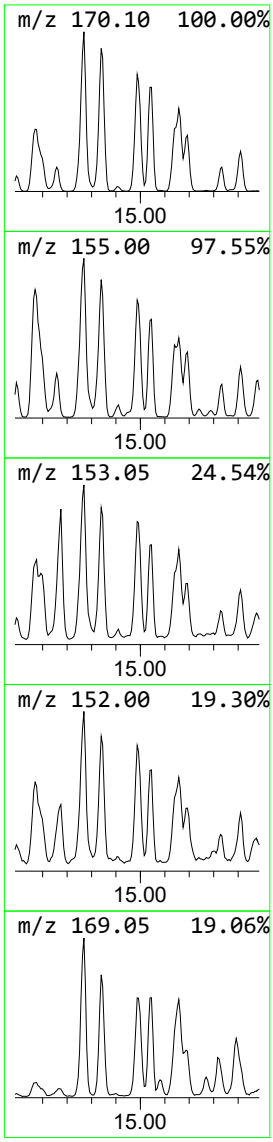
Peak Number 15 Naphthalene, 2,3,6-trimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.987	10.65 ng	1857530	Acenaphthene-d10	14.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	93
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	93





Sample Results: **BP024318.D**

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Operator : RC/JU
Sample : Q1762-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
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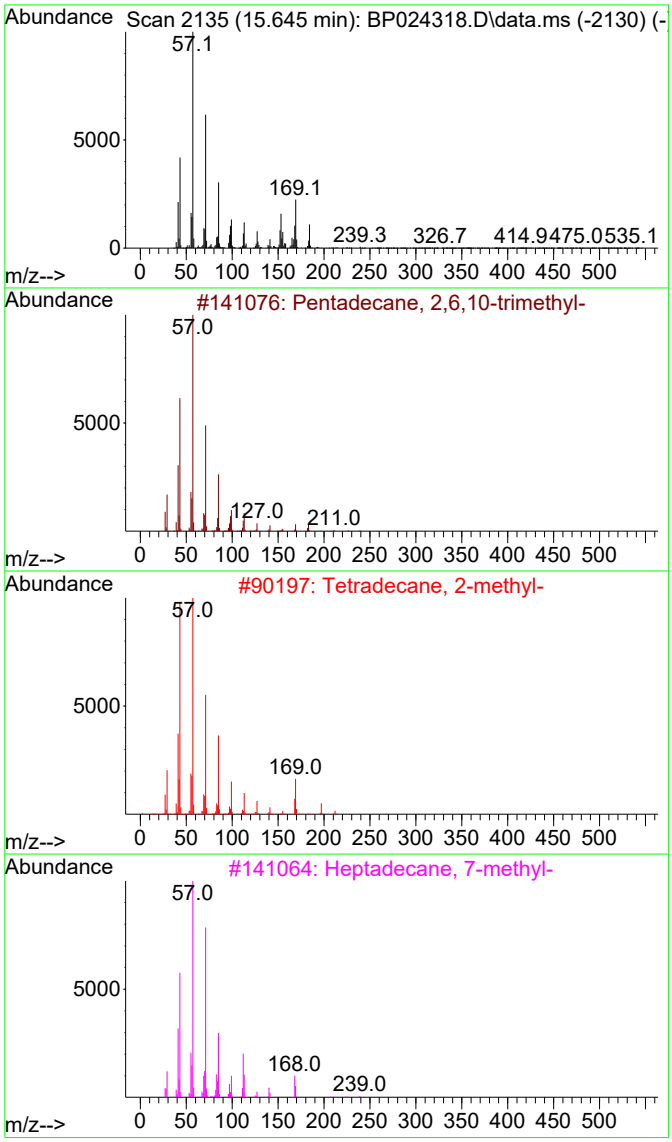
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

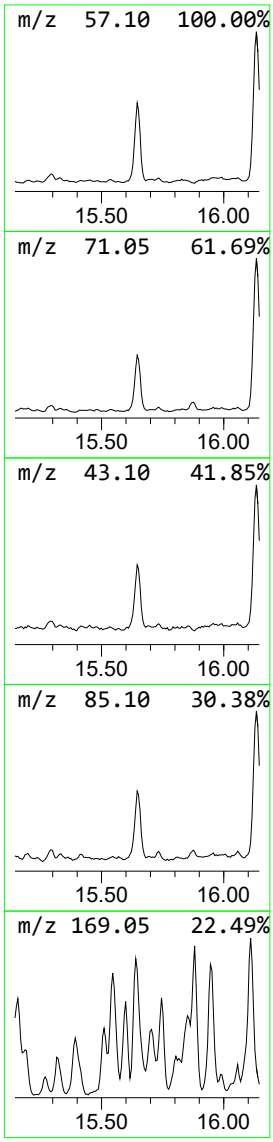
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Pentadecane, 2,6,10-trimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.645	11.55 ng	2014270	Acenaphthene-d10	14.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	78
2	Tetradecane, 2-methyl-	212	C15H32	001560-95-8	58
3	Heptadecane, 7-methyl-	254	C18H38	020959-33-5	52
4	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	49
5	Tridecane, 5-propyl-	226	C16H34	055045-11-9	46





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

TIC Library   : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P
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Instrument :
BNA_P
ClientSampleId :
MW5

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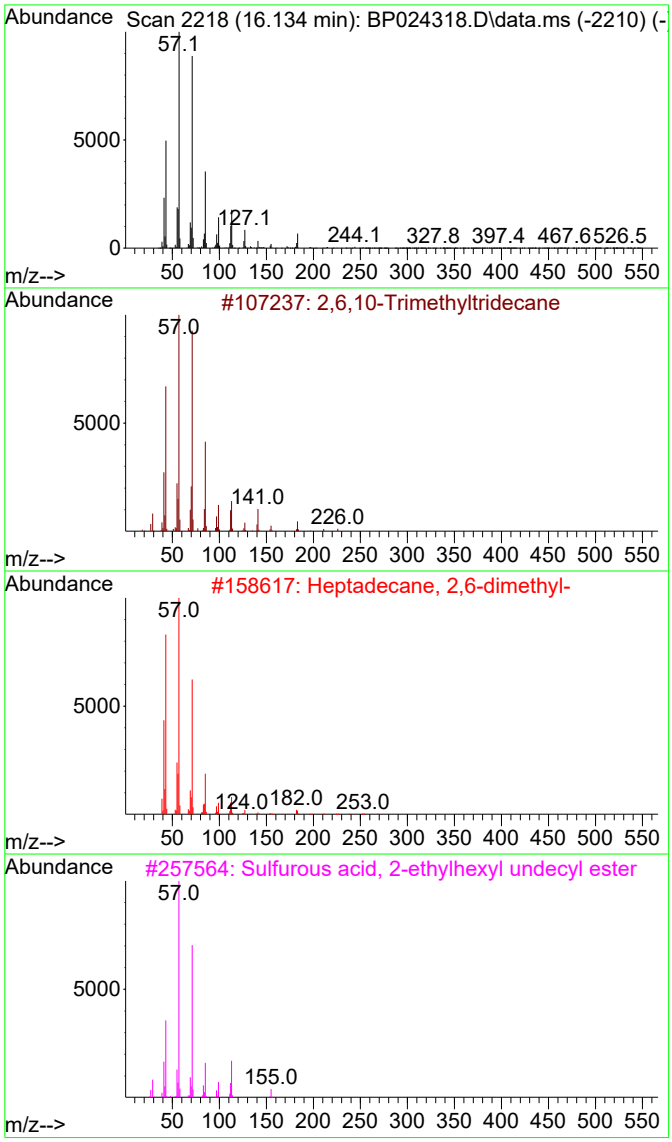
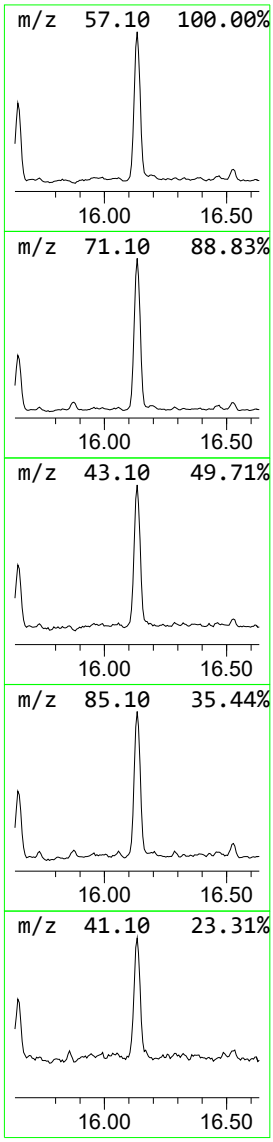
Peak Number 17 Heptadecane, 2,6-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.134	21.97 ng	3663840	Phenanthrene-d10	17.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,6,10-Trimethyltridecane	226	C16H34	003891-99-4	90
2	Heptadecane, 2,6-dimethyl-	268	C19H40	054105-67-8	81
3	Sulfurous acid, 2-ethylhexyl und...	348	C19H40O3S	1000309-19-4	80
4	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	74
5	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	72





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Misc :
ALS Vial : 16 Sample Multiplier: 1

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

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

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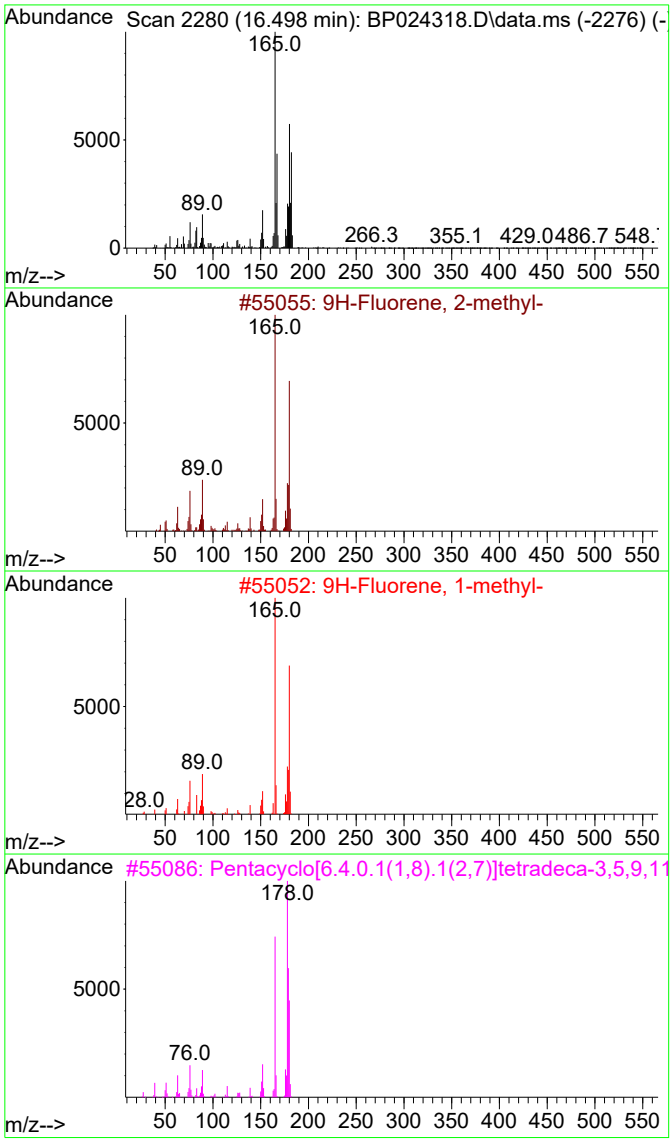
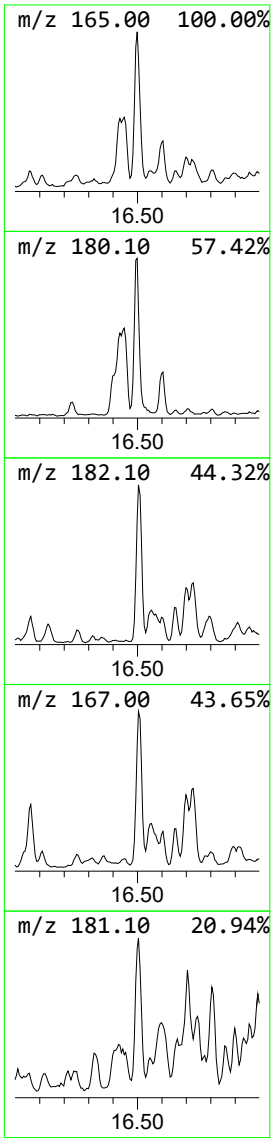
Peak Number 18 9H-Fluorene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.498	9.87 ng	1646220	Phenanthrene-d10	17.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	83
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	70
3	Pentacyclo[6.4.0.1(1,8).1(2,7)]t...	180	C14H12	086120-84-5	64
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	55
5	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	53





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ALS Vial : 16 Sample Multiplier: 1

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

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

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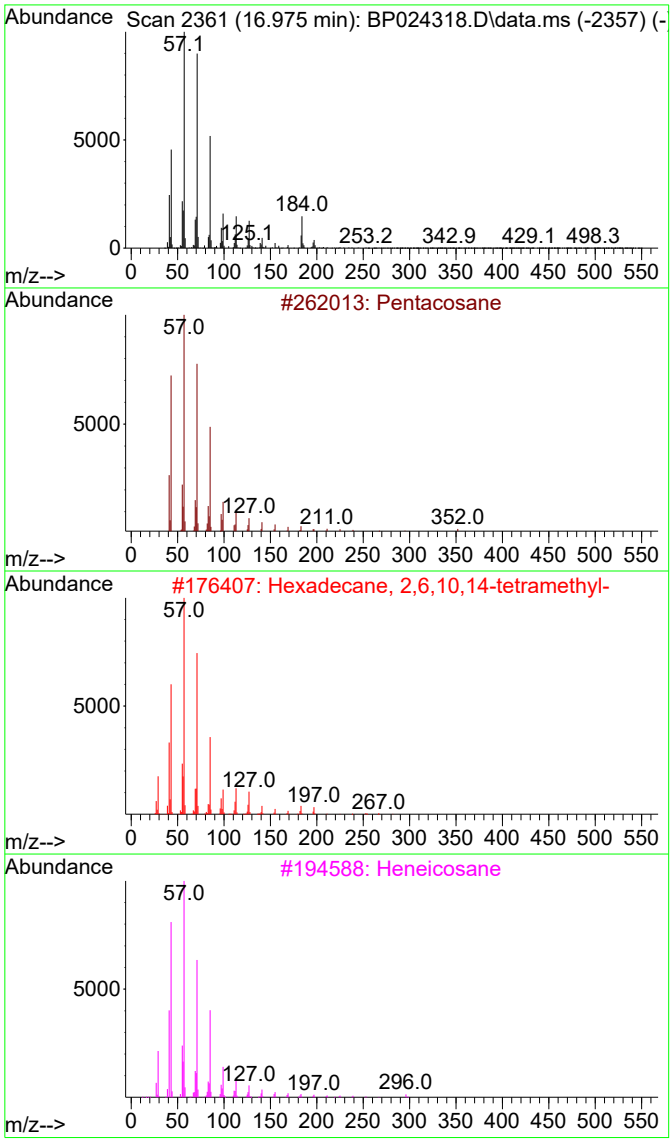
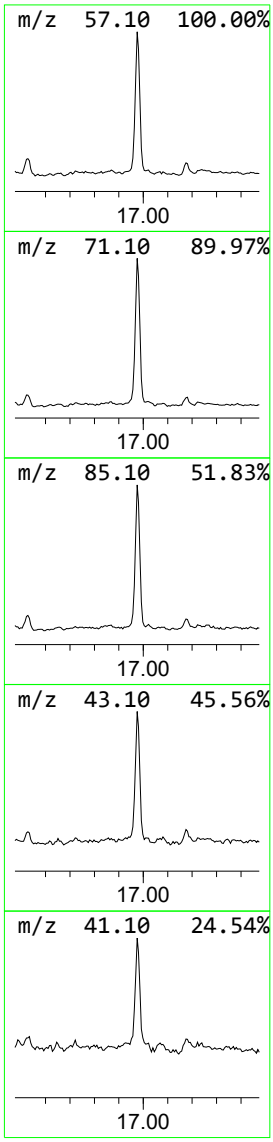
Peak Number 19 Pentacosane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.975	13.34 ng	2224050	Phenanthrene-d10	17.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentacosane	352	C25H52	000629-99-2	93
2	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	90
3	Heneicosane	296	C21H44	000629-94-7	86
4	Tridecane	184	C13H28	000629-50-5	86
5	2-Bromotetradecane	276	C14H29Br	074036-95-6	86





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Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041625\
Data File : BP024318.D
Acq On    : 16 Apr 2025  19:18
Operator  : RC/JU
Sample    : Q1762-02
Misc      :
ALS Vial  : 16   Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

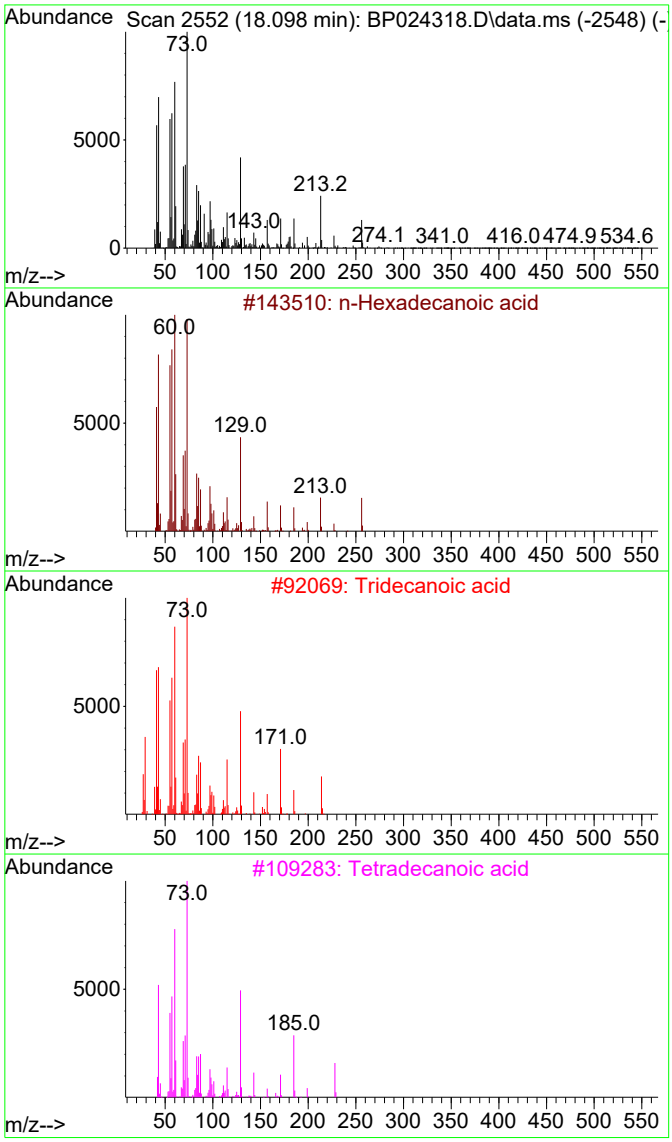
Instrument :
BNA_P
ClientSampleId :
MW5

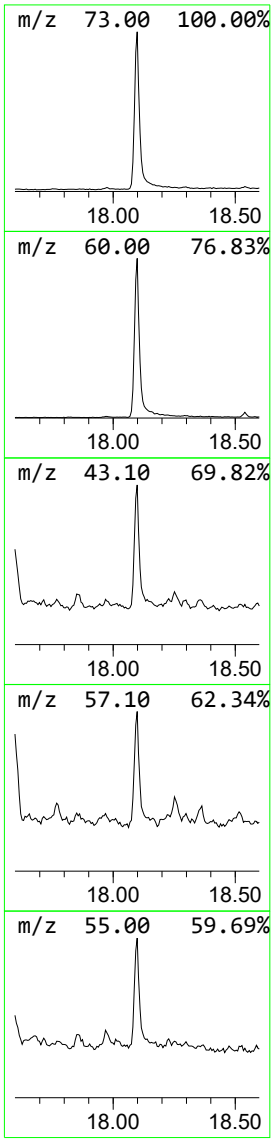
****

Peak Number 20 n-Hexadecanoic acid Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.098	12.48 ng	2081880	Phenanthrene-d10	17.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	93
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	91
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
5	Undecanoic acid	186	C11H22O2	000112-37-8	83





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041625\
Data File : BP024318.D
Acq On : 16 Apr 2025 19:18
Operator : RC/JU
Sample : Q1762-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MW5

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.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
Indane	8.099	30.6	ng	2930480	1	7.728	1918240	20.0
Benzene, 1,3-di...	8.216	14.2	ng	1360490	1	7.728	1918240	20.0
o-Cymene	8.822	51.4	ng	4927070	1	7.728	1918240	20.0
unknown9.063	9.063	9.5	ng	911671	1	7.728	1918240	20.0
Benzene, 1,2,4,...	9.340	10.4	ng	2523910	2	10.505	4860050	20.0
1H-Indene, 2,3-...	9.758	10.0	ng	2421260	2	10.505	4860050	20.0
Benzene, 2-ethe...	9.905	22.8	ng	5537680	2	10.505	4860050	20.0
Naphthalene, 2,...	13.516	19.8	ng	3451870	3	14.357	3487450	20.0
Naphthalene, 2,...	13.675	44.7	ng	7787590	3	14.357	3487450	20.0
Naphthalene, 1,...	13.728	24.8	ng	4331220	3	14.357	3487450	20.0
2,6,10-Trimethy...	13.851	10.0	ng	1748030	3	14.357	3487450	20.0
Naphthalene, 1,...	13.916	15.8	ng	2757810	3	14.357	3487450	20.0
Naphthalene, 2-...	14.569	11.5	ng	2009570	3	14.357	3487450	20.0
Naphthalene, 1,...	14.769	12.4	ng	2159370	3	14.357	3487450	20.0
Naphthalene, 2,...	14.987	10.7	ng	1857530	3	14.357	3487450	20.0
Pentadecane, 2,...	15.645	11.6	ng	2014270	3	14.357	3487450	20.0
Heptadecane, 2,...	16.134	22.0	ng	3663840	4	17.157	3335600	20.0
9H-Fluorene, 2-...	16.498	9.9	ng	1646220	4	17.157	3335600	20.0
Pentacosane	16.975	13.3	ng	2224050	4	17.157	3335600	20.0
n-Hexadecanoic ...	18.098	12.5	ng	2081880	4	17.157	3335600	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041625\
Data File : BP024309.D
Acq On : 16 Apr 2025 13:07
Operator : RC/JU
Sample : PB167564BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB167564BL

Quant Time: Apr 16 13:27:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration

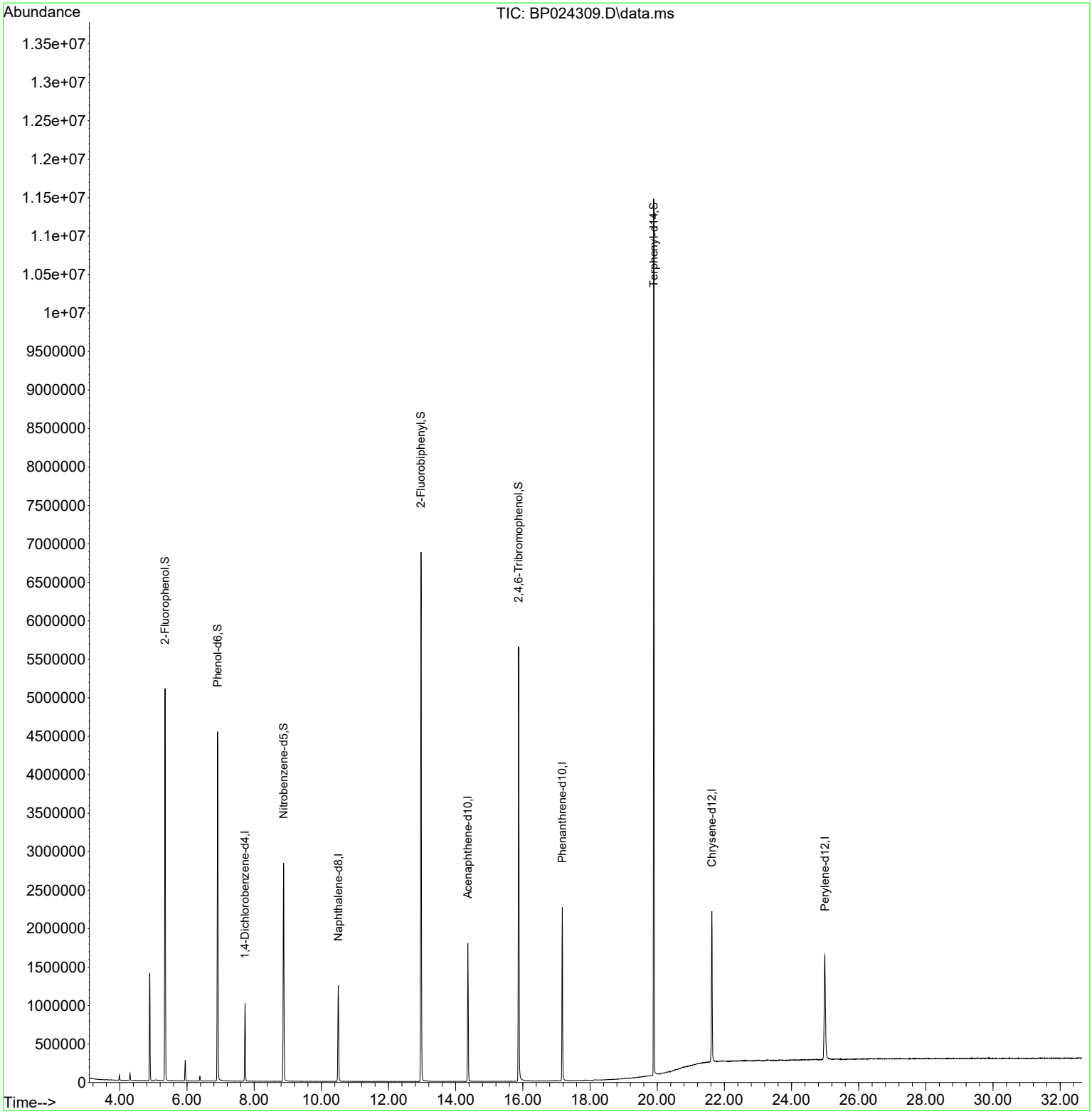
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.728	152	270242	20.000	ng	0.00
21) Naphthalene-d8	10.504	136	1066353	20.000	ng	0.00
39) Acenaphthene-d10	14.363	164	644577	20.000	ng	0.00
64) Phenanthrene-d10	17.174	188	1213246	20.000	ng	0.00
76) Chrysene-d12	21.627	240	1175360	20.000	ng	0.00
86) Perylene-d12	24.992	264	1338097	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	2259867	138.268	ng	0.00
7) Phenol-d6	6.910	99	2790942	124.709	ng	0.00
23) Nitrobenzene-d5	8.875	82	1691131	90.430	ng	0.00
42) 2,4,6-Tribromophenol	15.874	330	1145111	128.404	ng	-0.02
45) 2-Fluorobiphenyl	12.969	172	3789237	90.008	ng	-0.01
79) Terphenyl-d14	19.898	244	5385127	92.350	ng	-0.02
Target Compounds						Qvalue

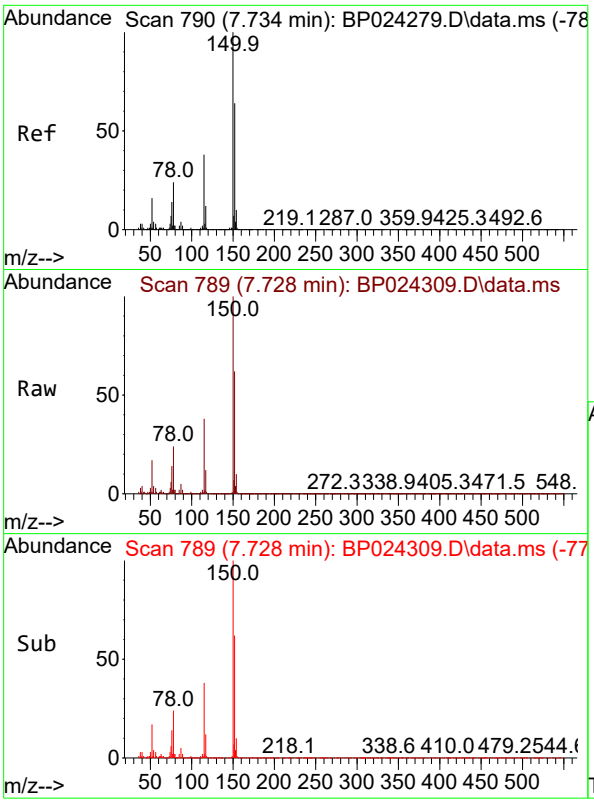
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041625\
Data File : BP024309.D
Acq On : 16 Apr 2025 13:07
Operator : RC/JU
Sample : PB167564BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB167564BL

Quant Time: Apr 16 13:27:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration



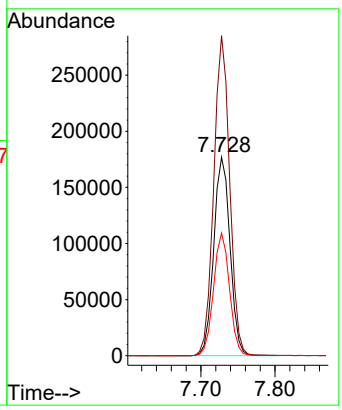


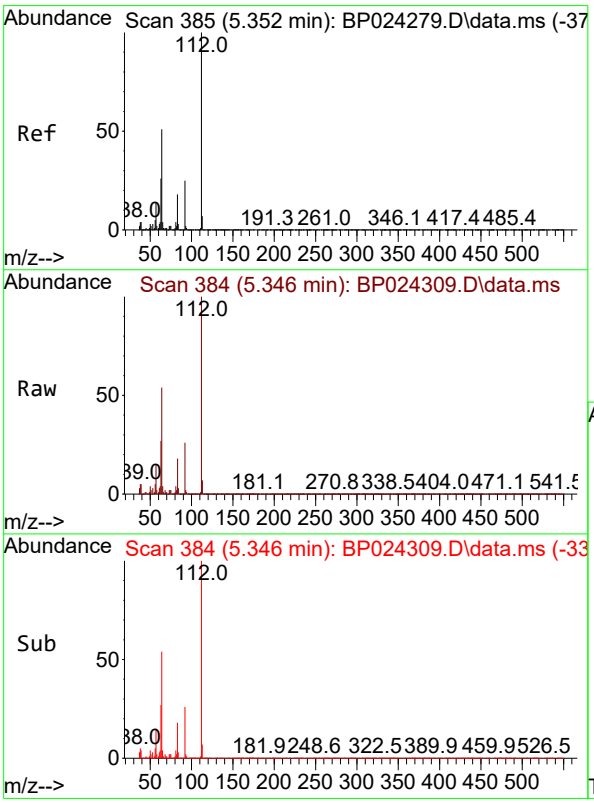
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.728 min Scan# 7
Delta R.T. -0.000 min
Lab File: BP024309.D
Acq: 16 Apr 2025 13:07

Instrument :
BNA_P
ClientSampleId :
PB167564BL

Tgt Ion:152 Resp: 270242

Ion	Ratio	Lower	Upper
152	100		
150	161.3	124.9	187.3
115	61.8	47.7	71.5

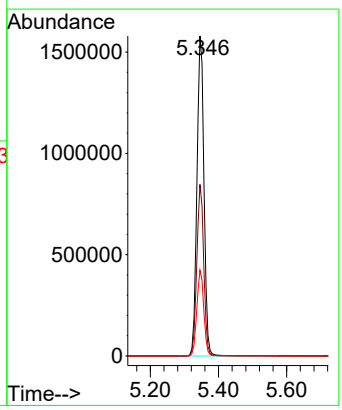


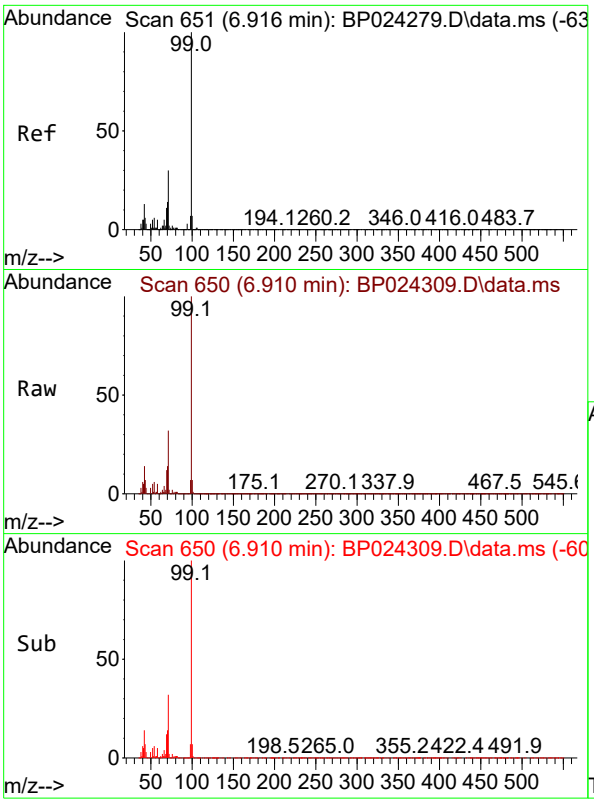


#5
2-Fluorophenol
Concen: 138.268 ng
RT: 5.346 min Scan# 384
Delta R.T. -0.006 min
Lab File: BP024309.D
Acq: 16 Apr 2025 13:07

Tgt Ion:112 Resp: 2259867

Ion	Ratio	Lower	Upper
112	100		
64	53.6	41.1	61.7
63	26.8	20.6	30.8



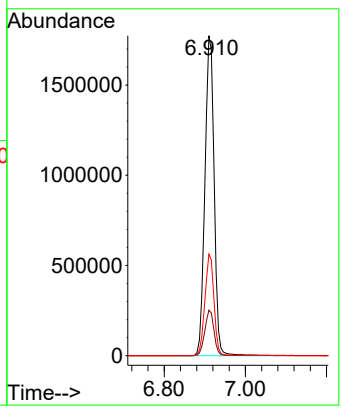


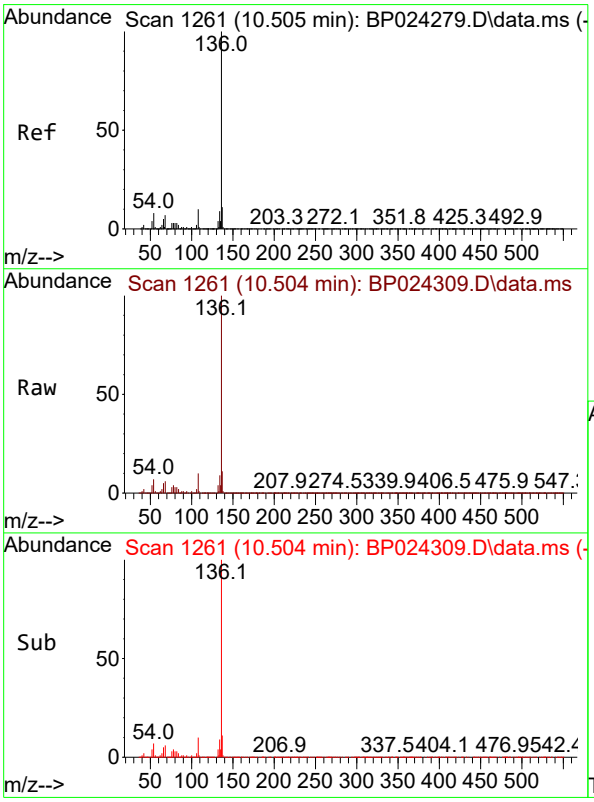
#7
Phenol-d6
Concen: 124.709 ng
RT: 6.910 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP024309.D
Acq: 16 Apr 2025 13:07

Instrument :
BNA_P
ClientSampleId :
PB167564BL

Tgt Ion: 99 Resp: 2790942

Ion	Ratio	Lower	Upper
99	100		
42	14.2	10.6	16.0
71	31.7	23.7	35.5

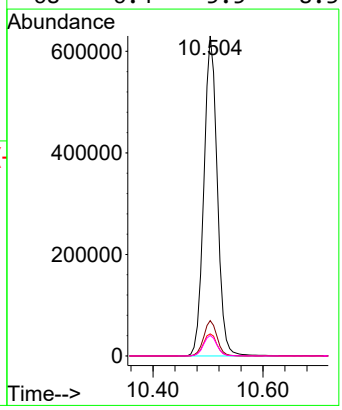


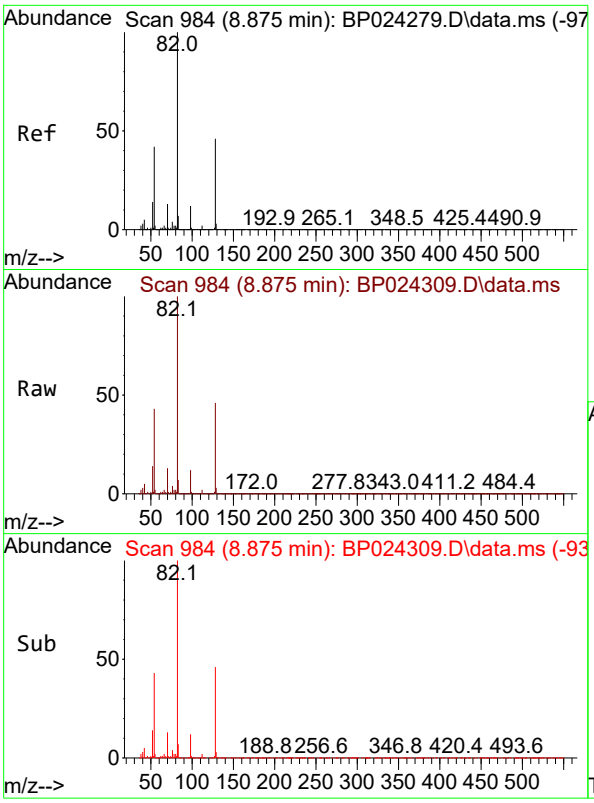


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.504 min Scan# 1261
Delta R.T. -0.000 min
Lab File: BP024309.D
Acq: 16 Apr 2025 13:07

Tgt Ion:136 Resp: 1066353

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.2	13.8
54	6.9	6.0	9.0
68	6.4	5.5	8.3



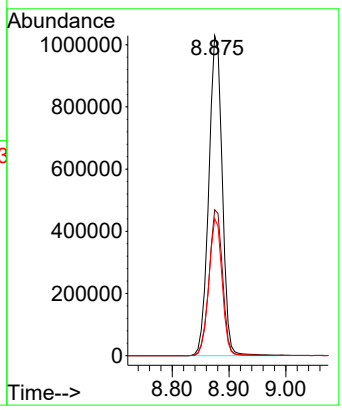


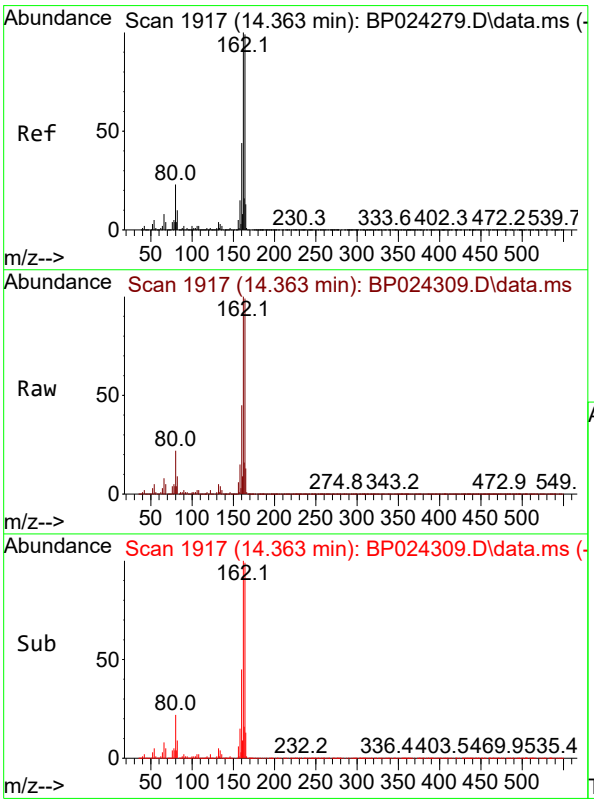
#23
Nitrobenzene-d5
Concen: 90.430 ng
RT: 8.875 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024309.D
Acq: 16 Apr 2025 13:07

Instrument :
BNA_P
ClientSampleId :
PB167564BL

Tgt Ion: 82 Resp: 1691131

Ion	Ratio	Lower	Upper
82	100		
128	45.6	36.5	54.7
54	42.8	33.4	50.2

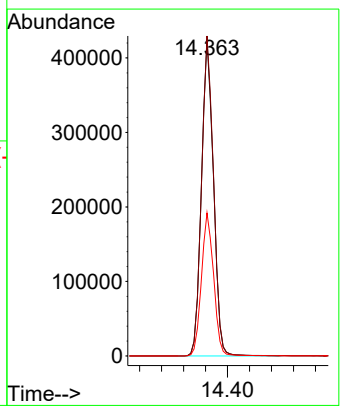


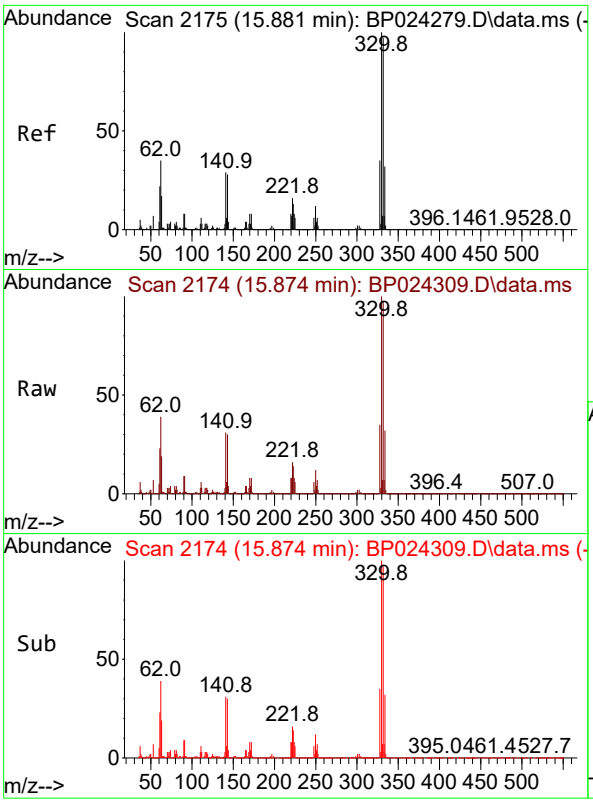


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.363 min Scan# 1917
Delta R.T. -0.006 min
Lab File: BP024309.D
Acq: 16 Apr 2025 13:07

Tgt Ion:164 Resp: 644577

Ion	Ratio	Lower	Upper
164	100		
162	101.1	80.6	120.8
160	45.2	35.3	52.9



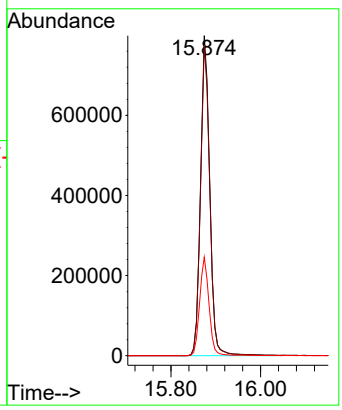


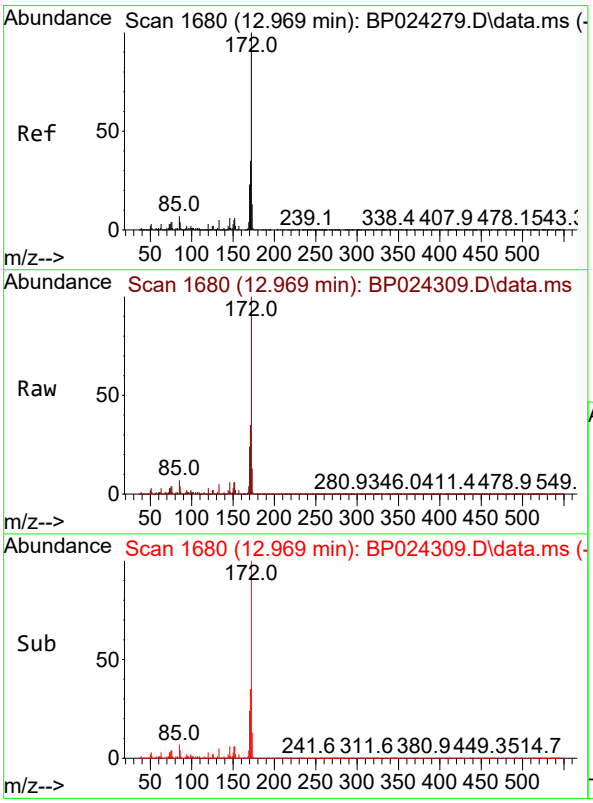
#42
2,4,6-Tribromophenol
Concen: 128.404 ng
RT: 15.874 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024309.D
Acq: 16 Apr 2025 13:07

Instrument :
BNA_P
ClientSampleId :
PB167564BL

Tgt Ion:330 Resp: 1145111

Ion	Ratio	Lower	Upper
330	100		
332	97.5	77.1	115.7
141	31.2	24.7	37.1

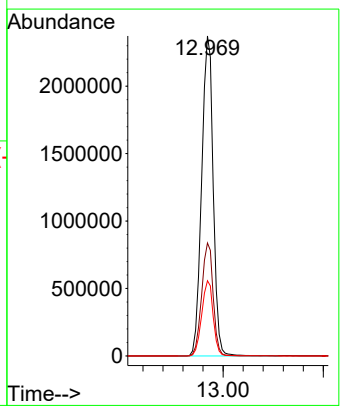


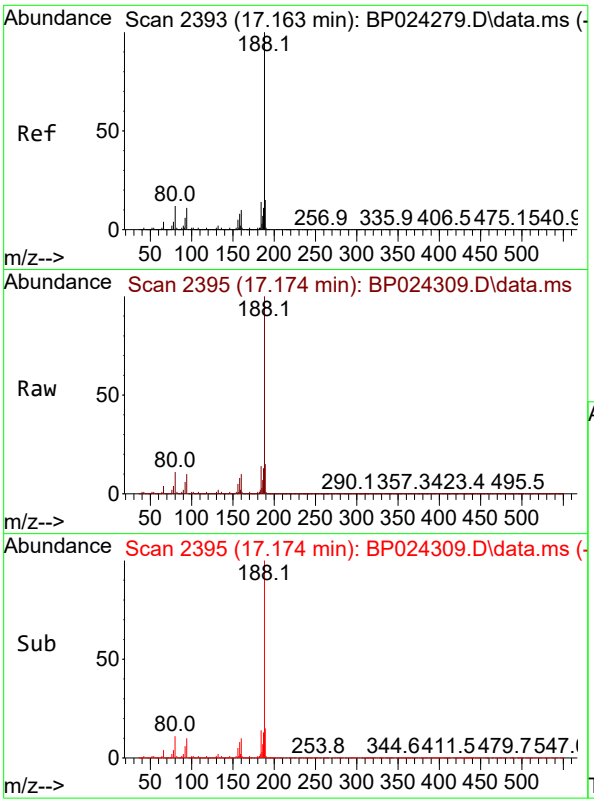


#45
2-Fluorobiphenyl
Concen: 90.008 ng
RT: 12.969 min Scan# 1680
Delta R.T. -0.012 min
Lab File: BP024309.D
Acq: 16 Apr 2025 13:07

Tgt Ion:172 Resp: 3789237

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.2	42.2
170	23.5	18.6	27.8



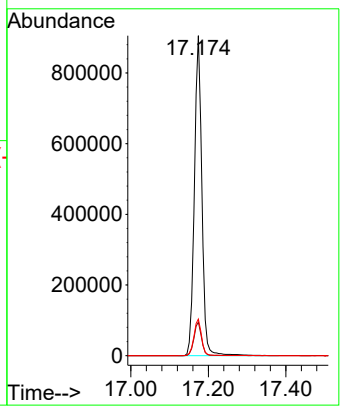


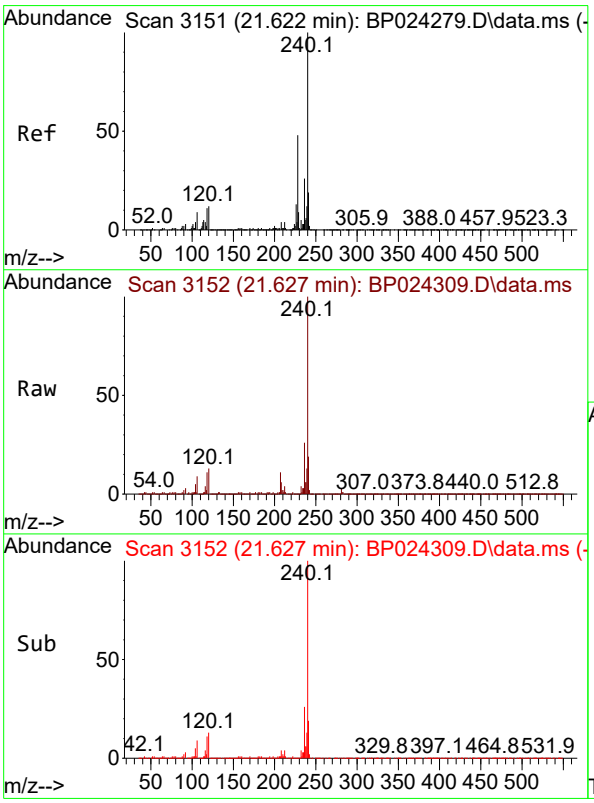
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.174 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024309.D
Acq: 16 Apr 2025 13:07

Instrument :
BNA_P
ClientSampleId :
PB167564BL

Tgt Ion:188 Resp: 1213246

Ion	Ratio	Lower	Upper
188	100		
94	10.5	8.6	13.0
80	11.5	9.8	14.6

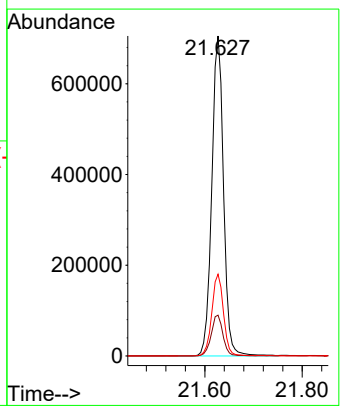


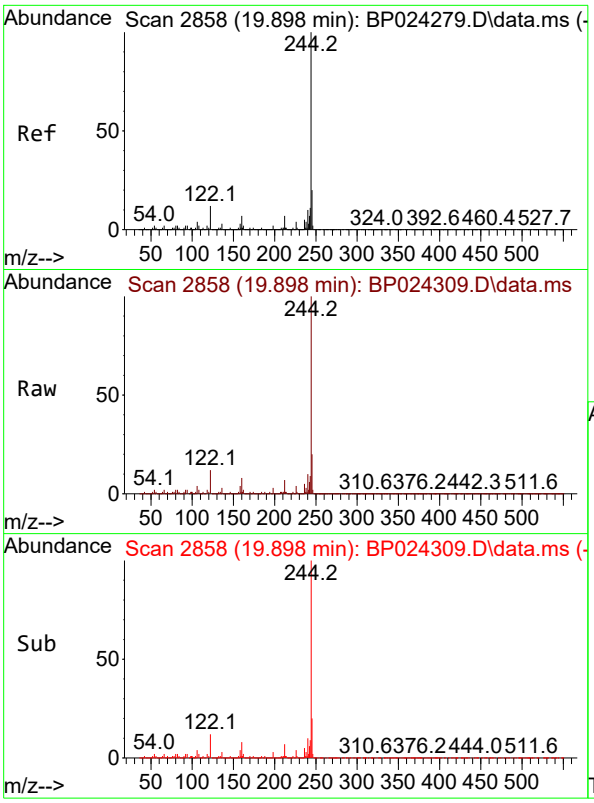


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.627 min Scan# 3152
Delta R.T. 0.006 min
Lab File: BP024309.D
Acq: 16 Apr 2025 13:07

Tgt Ion:240 Resp: 1175360

Ion	Ratio	Lower	Upper
240	100		
120	12.7	9.8	14.8
236	25.5	20.9	31.3



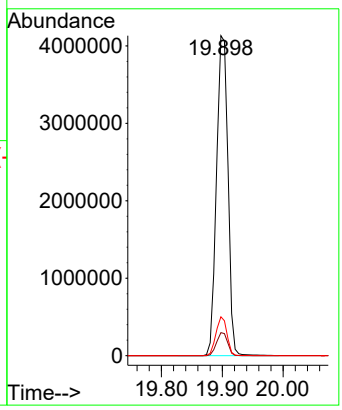


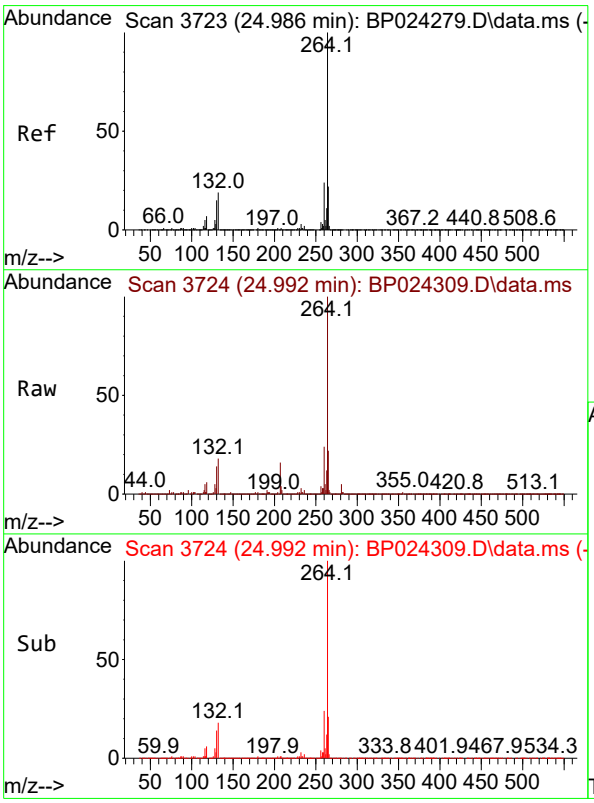
#79
Terphenyl-d14
Concen: 92.350 ng
RT: 19.898 min Scan# 2
Delta R.T. -0.024 min
Lab File: BP024309.D
Acq: 16 Apr 2025 13:07

Instrument :
BNA_P
ClientSampleId :
PB167564BL

Tgt Ion:244 Resp: 5385127

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.6	8.4
122	12.1	9.4	14.0

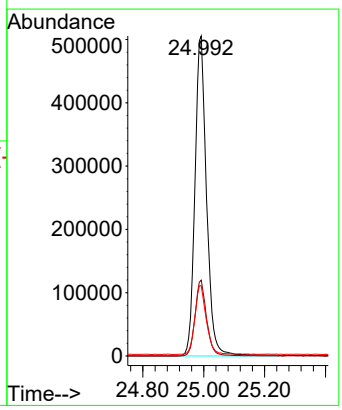




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.992 min Scan# 3724
Delta R.T. 0.006 min
Lab File: BP024309.D
Acq: 16 Apr 2025 13:07

Tgt Ion:264 Resp: 1338097

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.9	28.3
265	22.0	17.8	26.6



Sample Results: **BP024309.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041625\
Data File : BP024309.D
Acq On : 16 Apr 2025 13:07
Operator : RC/JU
Sample : PB167564BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB167564BL

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-BP041425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP024309.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.893	301	307	322	rBV	1391546	1925943	13.10%	2.697%
2	5.346	378	384	399	rBV	5094960	7194349	48.95%	10.076%
3	5.945	480	486	498	rVB	270849	382631	2.60%	0.536%
4	6.910	641	650	673	rBV	4541677	7245027	49.30%	10.147%
5	7.728	781	789	801	rBV	1010101	1530529	10.41%	2.144%
6	8.875	976	984	1001	rBV	2840104	4693233	31.93%	6.573%
7	10.504	1251	1261	1280	rBV	1250394	2128003	14.48%	2.980%
8	12.969	1672	1680	1698	rBV	6879725	10929755	74.37%	15.308%
9	14.363	1909	1917	1928	rBV	1797662	2750664	18.72%	3.853%
10	15.874	2167	2174	2206	rBV	5647508	8225069	55.97%	11.520%
11	17.174	2388	2395	2410	rBV	2254278	3043149	20.71%	4.262%
12	19.898	2853	2858	2874	rBV	11388528	14696517	100.00%	20.584%
13	21.627	3145	3152	3164	rBV2	1950638	3229365	21.97%	4.523%
14	24.992	3716	3724	3739	rVB	1331160	3424907	23.30%	4.797%

Sum of corrected areas: 71399141

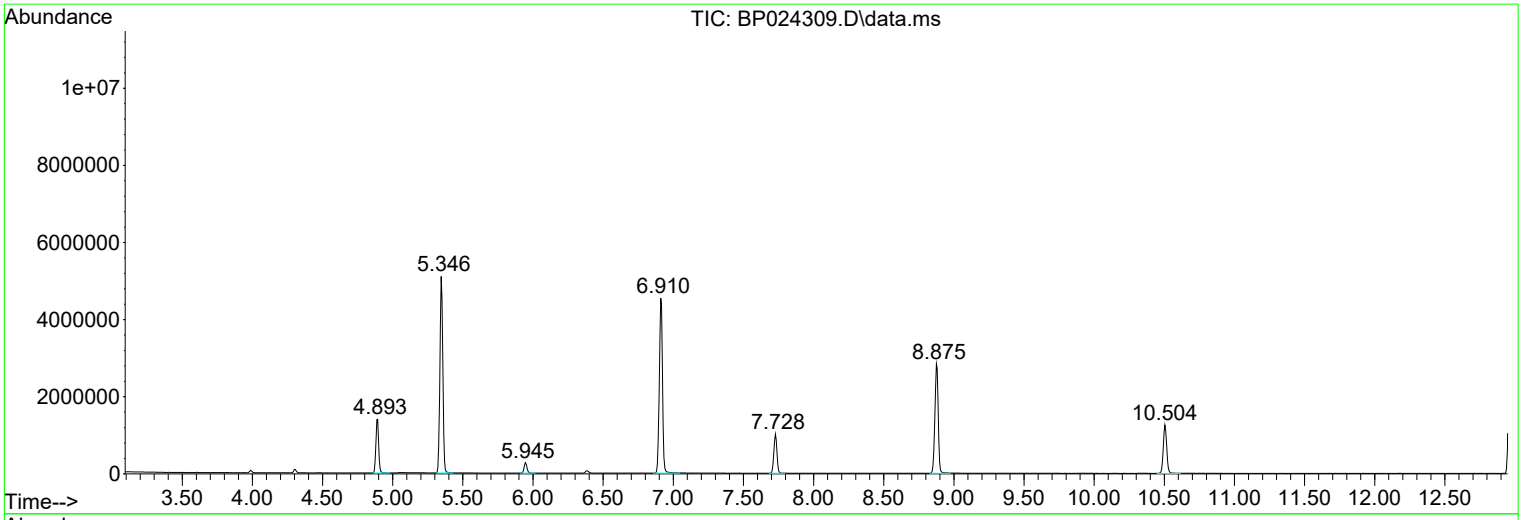
Sample Results: **BP024309.D**

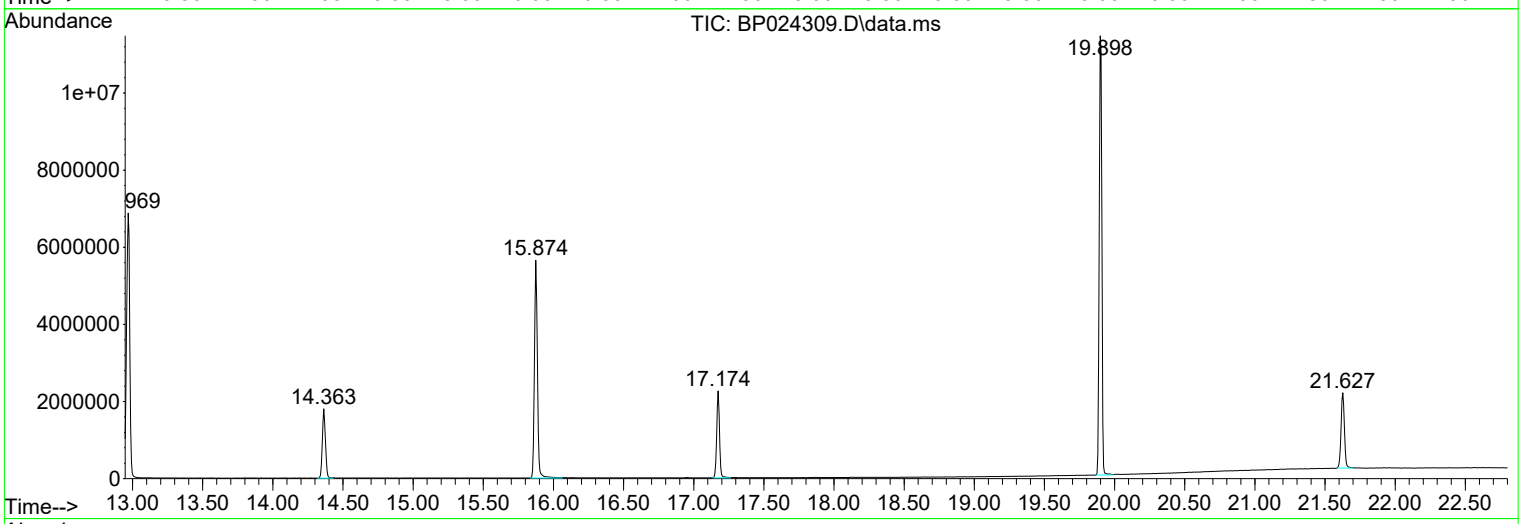
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041625\
Data File : BP024309.D
Acq On : 16 Apr 2025 13:07
Operator : RC/JU
Sample : PB167564BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

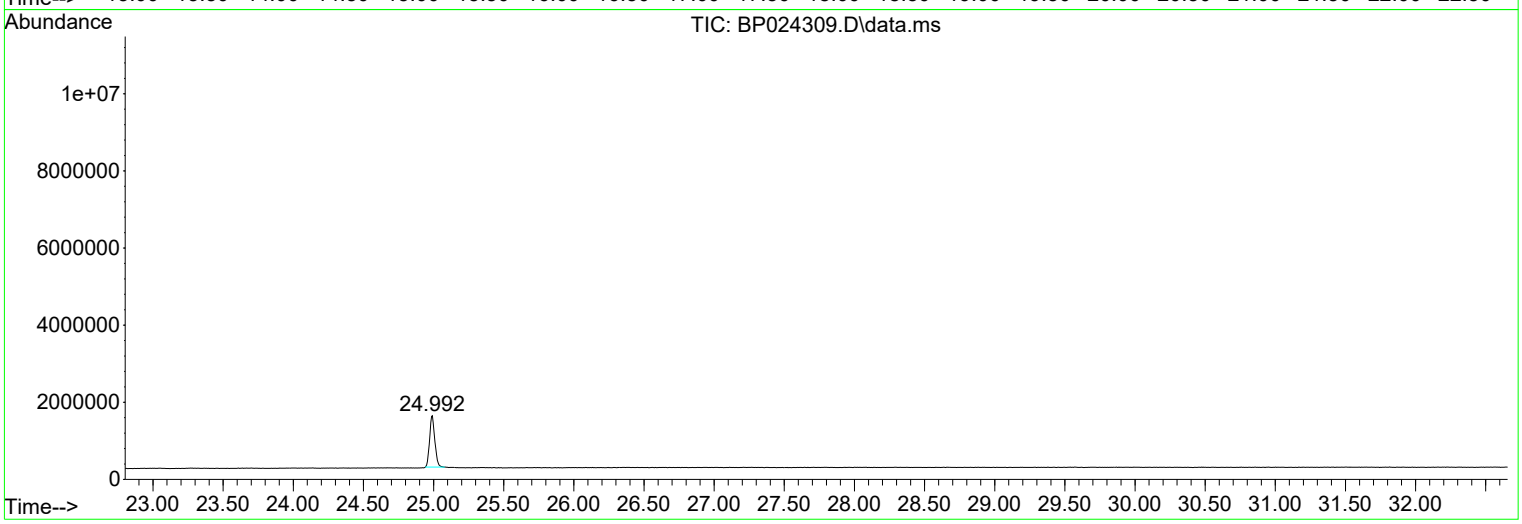
Instrument :
BNA_P
ClientSampleId :
PB167564BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.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\BP041625\
Data File : BP024309.D
Acq On : 16 Apr 2025 13:07
Operator : RC/JU
Sample : PB167564BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB167564BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

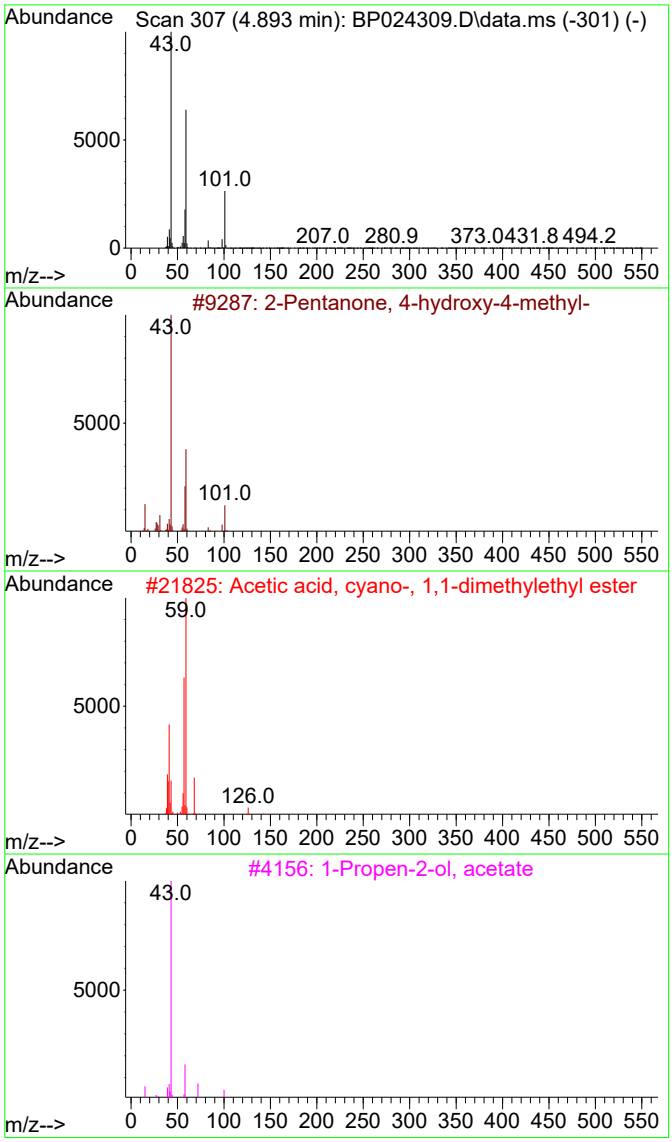
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

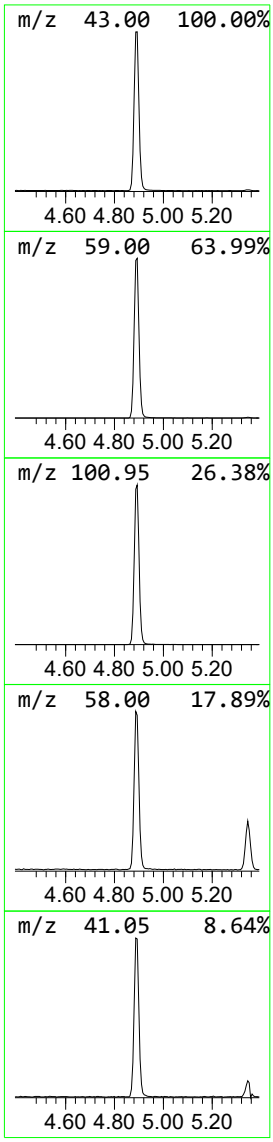
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.893	25.17 ng	1925940	1,4-Dichlorobenzene-d4	7.728

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
4	5-Hexen-2-one	98	C6H10O	000109-49-9	9
5	Guanidine	59	CH5N3	000113-00-8	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041625\
Data File : BP024309.D
Acq On : 16 Apr 2025 13:07
Operator : RC/JU
Sample : PB167564BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB167564BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

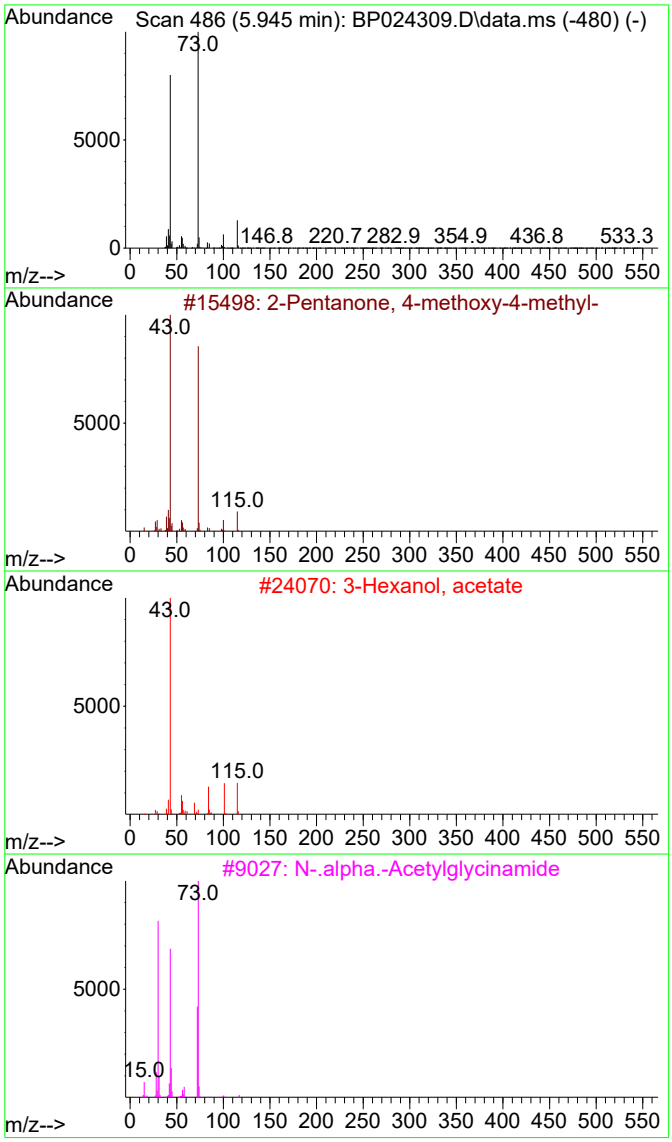
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

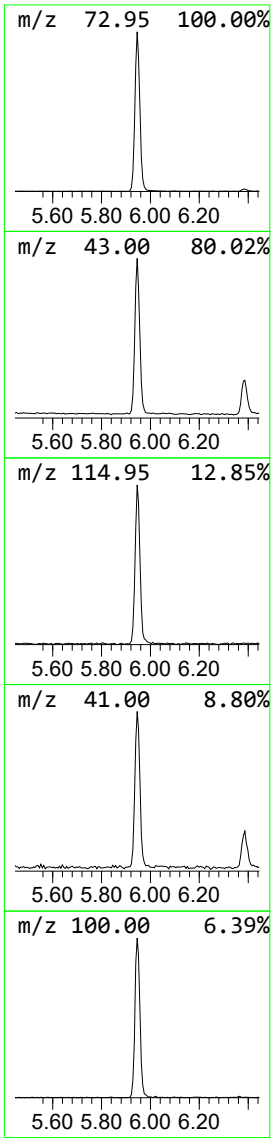
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.945	5.00 ng	382631	1,4-Dichlorobenzene-d4	7.728

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-methoxy-4-methyl-	130	C7H14O2	000107-70-0	83
2	3-Hexanol, acetate	144	C8H16O2	040780-64-1	37
3	N-.alpha.-Acetylglycinamide	116	C4H8N2O2	002620-63-5	28
4	Butane, 2-methoxy-2,3,3-trimethyl-	130	C8H18O	027705-21-1	23
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041625\
Data File : BP024309.D
Acq On : 16 Apr 2025 13:07
Operator : RC/JU
Sample : PB167564BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB167564BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.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-...	4.893	25.2	ng	1925940	1	7.728	1530530	20.0
2-Pentanone, 4-...	5.945	5.0	ng	382631	1	7.728	1530530	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041725\
Data File : BP024322.D
Acq On : 17 Apr 2025 11:51
Operator : RC/JU
Sample : PB167564BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 17 12:18:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
PB167564BS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.728	152	334068	20.000	ng	0.00
21) Naphthalene-d8	10.499	136	1451795	20.000	ng	0.00
39) Acenaphthene-d10	14.357	164	946390	20.000	ng	-0.01
64) Phenanthrene-d10	17.157	188	1773496	20.000	ng	-0.02
76) Chrysene-d12	21.598	240	1227922	20.000	ng	-0.02
86) Perylene-d12	24.939	264	1207867	20.000	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	2759115	136.561	ng	0.00
7) Phenol-d6	6.917	99	3618299	130.789	ng	0.00
23) Nitrobenzene-d5	8.875	82	2148075	84.368	ng	0.00
42) 2,4,6-Tribromophenol	15.875	330	1728940	132.043	ng	-0.02
45) 2-Fluorobiphenyl	12.969	172	5085782	82.280	ng	-0.01
79) Terphenyl-d14	19.881	244	6643551	109.054	ng	-0.04
Target Compounds						Qvalue
2) 1,4-Dioxane	3.293	88	287909	33.689	ng	97
3) Pyridine	3.681	79	766297	33.958	ng	98
4) n-Nitrosodimethylamine	3.593	42	324280	43.299	ng	94
6) Aniline	7.064	93	1023567	41.404	ng	99
8) 2-Chlorophenol	7.305	128	1079648	47.861	ng	99
9) Benzaldehyde	6.875	77	294812	21.543	ng	99
10) Phenol	6.940	94	1357407	48.911	ng	96
11) bis(2-Chloroethyl)ether	7.158	93	961345	42.993	ng	99
12) 1,3-Dichlorobenzene	7.616	146	1030757	42.444	ng	98
13) 1,4-Dichlorobenzene	7.764	146	1060590	43.043	ng	99
14) 1,2-Dichlorobenzene	8.075	146	1021098	42.916	ng	99
15) Benzyl Alcohol	7.969	79	871520	48.712	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.240	45	1102139	45.601	ng	99
17) 2-Methylphenol	8.175	107	928298	51.707	ng	99
18) Hexachloroethane	8.799	117	393473	44.187	ng	98
19) n-Nitroso-di-n-propyla...	8.528	70	752644	43.975	ng	99
20) 3+4-Methylphenols	8.499	107	1264970	50.780	ng	99
22) Acetophenone	8.546	105	1513862	42.130	ng	100
24) Nitrobenzene	8.916	77	1104577	43.855	ng	98
25) Isophorone	9.440	82	2149873	46.650	ng	99
26) 2-Nitrophenol	9.622	139	581538	47.180	ng	97
27) 2,4-Dimethylphenol	9.687	122	1056586	68.269	ng	99
28) bis(2-Chloroethoxy)met...	9.916	93	1365811	43.871	ng	100
29) 2,4-Dichlorophenol	10.158	162	1025078	48.576	ng	98
30) 1,2,4-Trichlorobenzene	10.369	180	977668	43.241	ng	98
31) Naphthalene	10.552	128	3144759	41.121	ng	100
32) Benzoic acid	9.863	122	845605m	46.890	ng	
33) 4-Chloroaniline	10.663	127	472553	17.547	ng	99
34) Hexachlorobutadiene	10.834	225	581954	43.802	ng	99
35) Caprolactam	11.463	113	357452	45.907	ng	99
36) 4-Chloro-3-methylphenol	11.799	107	1188991	48.373	ng	100
37) 2-Methylnaphthalene	12.163	142	2057907	38.801	ng	98
38) 1-Methylnaphthalene	12.387	142	2189742	42.204	ng	100
40) 1,2,4,5-Tetrachloroben...	12.540	216	1115334	42.855	ng	99
41) Hexachlorocyclopentadiene	12.516	237	1557478	169.206	ng	99
43) 2,4,6-Trichlorophenol	12.781	196	830279	47.984	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041725\
Data File : BP024322.D
Acq On : 17 Apr 2025 11:51
Operator : RC/JU
Sample : PB167564BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 17 12:18:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
PB167564BS

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.857	196	916797	47.846	ng	99
46) 1,1'-Biphenyl	13.181	154	2986755	42.935	ng	99
47) 2-Chloronaphthalene	13.222	162	2256603	43.403	ng	99
48) 2-Nitroaniline	13.428	65	700526	48.034	ng	95
49) Acenaphthylene	14.075	152	3846464	46.990	ng	100
50) Dimethylphthalate	13.816	163	2995229	43.521	ng	99
51) 2,6-Dinitrotoluene	13.934	165	665787	45.557	ng	100
52) Acenaphthene	14.428	154	2181964	42.046	ng	99
53) 3-Nitroaniline	14.263	138	417219	27.163	ng	98
54) 2,4-Dinitrophenol	14.475	184	853627	99.160	ng	95
55) Dibenzofuran	14.763	168	3471170	40.921	ng	99
56) 4-Nitrophenol	14.598	139	1202044	90.613	ng	98
57) 2,4-Dinitrotoluene	14.728	165	922417	46.269	ng	100
58) Fluorene	15.422	166	2823276	42.994	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.998	232	791251	44.773	ng	99
60) Diethylphthalate	15.204	149	3004493	42.362	ng	100
61) 4-Chlorophenyl-phenyle...	15.416	204	1368495	42.916	ng	99
62) 4-Nitroaniline	15.451	138	673721	41.433	ng	96
63) Azobenzene	15.716	77	2764248	42.405	ng	98
65) 4,6-Dinitro-2-methylph...	15.504	198	533164	47.684	ng	97
66) n-Nitrosodiphenylamine	15.640	169	2446935	46.225	ng	99
67) 4-Bromophenyl-phenylether	16.328	248	905183	46.668	ng	99
68) Hexachlorobenzene	16.451	284	1078014	46.772	ng	98
69) Atrazine	16.616	200	810319	60.104	ng	99
70) Pentachlorophenol	16.804	266	1487194	92.492	ng	99
71) Phenanthrene	17.204	178	4199363	43.405	ng	99
72) Anthracene	17.292	178	4256425	45.647	ng	99
73) Carbazole	17.581	167	3849468	42.251	ng	99
74) Di-n-butylphthalate	18.163	149	4687484	41.296	ng	100
75) Fluoranthene	19.286	202	4450170	38.675	ng	98
77) Benzidine	19.475	184	1112220	71.457	ng	100
78) Pyrene	19.663	202	4392711	56.291	ng	99
80) Butylbenzylphthalate	20.610	149	1647590	49.293	ng	96
81) Benzo(a)anthracene	21.575	228	3542965	46.421	ng	100
82) 3,3'-Dichlorobenzidine	21.498	252	754814	28.177	ng	99
83) Chrysene	21.645	228	3275917	44.801	ng	99
84) Bis(2-ethylhexyl)phtha...	21.516	149	2065674	42.157	ng	99
85) Di-n-octyl phthalate	22.792	149	3130152	39.295	ng	100
87) Indeno(1,2,3-cd)pyrene	28.733	276	4225283	50.388	ng	96
88) Benzo(b)fluoranthene	23.886	252	3252383	44.922	ng	99
89) Benzo(k)fluoranthene	23.951	252	3212113	45.930	ng	100
90) Benzo(a)pyrene	24.780	252	3099830	49.635	ng	99
91) Dibenzo(a,h)anthracene	28.827	278	3511403	50.449	ng	98
92) Benzo(g,h,i)perylene	29.933	276	3482393	49.155	ng	99

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

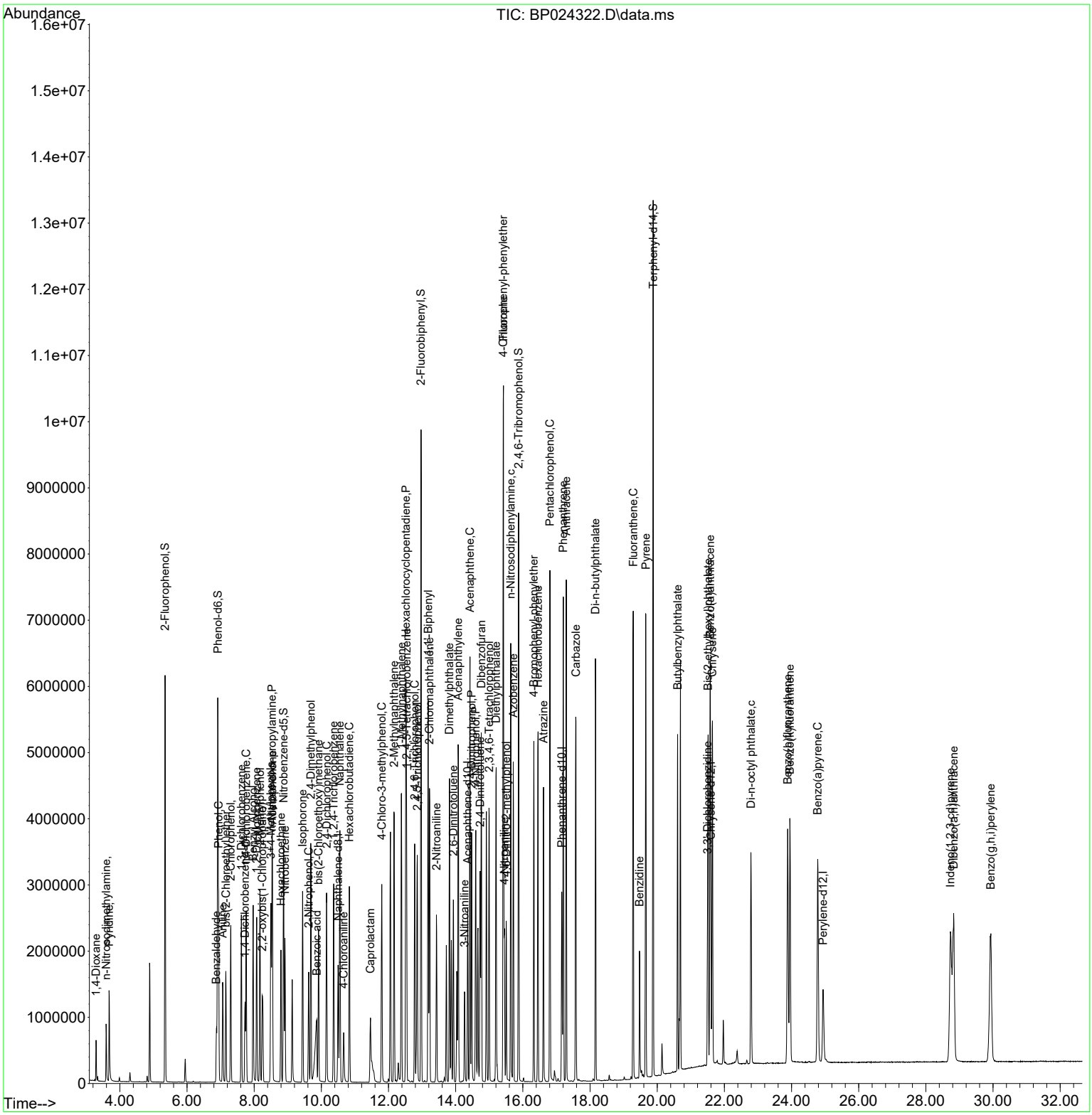
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041725\
Data File : BP024322.D
Acq On : 17 Apr 2025 11:51
Operator : RC/JU
Sample : PB167564BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 17 12:18:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
PB167564BS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041725\
Data File : BP024323.D
Acq On : 17 Apr 2025 12:32
Operator : RC/JU
Sample : PB167564BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 17 12:56:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
PB167564BSD

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.728	152	302883	20.000	ng	0.02
21) Naphthalene-d8	10.504	136	1314398	20.000	ng	0.02
39) Acenaphthene-d10	14.363	164	875504	20.000	ng	0.01
64) Phenanthrene-d10	17.157	188	1837449	20.000	ng	0.00
76) Chrysene-d12	21.604	240	1940224	20.000	ng	0.00
86) Perylene-d12	24.945	264	1918974	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	2617757	142.905	ng	0.01
7) Phenol-d6	6.916	99	3442715	137.254	ng	0.02
23) Nitrobenzene-d5	8.881	82	2046050	88.762	ng	0.02
42) 2,4,6-Tribromophenol	15.875	330	1831246	151.179	ng	0.00
45) 2-Fluorobiphenyl	12.969	172	4841796	84.675	ng	0.00
79) Terphenyl-d14	19.886	244	8693032	90.309	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.293	88	266140	34.349	ng	97
3) Pyridine	3.681	79	729195	35.641	ng	98
4) n-Nitrosodimethylamine	3.593	42	304169	44.796	ng	96
6) Aniline	7.069	93	977592	43.616	ng	100
8) 2-Chlorophenol	7.299	128	1025260	50.130	ng	100
9) Benzaldehyde	6.875	77	263741	21.257	ng	100
10) Phenol	6.940	94	1284161	51.036	ng	97
11) bis(2-Chloroethyl)ether	7.158	93	909275	44.852	ng	99
12) 1,3-Dichlorobenzene	7.616	146	982467	44.621	ng	99
13) 1,4-Dichlorobenzene	7.763	146	1007346	45.092	ng	99
14) 1,2-Dichlorobenzene	8.075	146	982429	45.542	ng	100
15) Benzyl Alcohol	7.969	79	828445	51.072	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.246	45	1038203	47.378	ng	100
17) 2-Methylphenol	8.169	107	881157	54.134	ng	98
18) Hexachloroethane	8.793	117	375219	46.475	ng	99
19) n-Nitroso-di-n-propyla...	8.528	70	718298	46.289	ng	99
20) 3+4-Methylphenols	8.493	107	1206984	53.441	ng	99
22) Acetophenone	8.546	105	1455151	44.730	ng	100
24) Nitrobenzene	8.922	77	1045345	45.842	ng	100
25) Isophorone	9.440	82	2080987	49.875	ng	100
26) 2-Nitrophenol	9.622	139	557908	49.995	ng	99
27) 2,4-Dimethylphenol	9.687	122	1003038	71.584	ng	98
28) bis(2-Chloroethoxy)met...	9.916	93	1315176	46.660	ng	99
29) 2,4-Dichlorophenol	10.163	162	998582	52.267	ng	99
30) 1,2,4-Trichlorobenzene	10.363	180	938774	45.861	ng	99
31) Naphthalene	10.557	128	3017816	43.586	ng	99
32) Benzoic acid	9.857	122	835098m	51.148	ng	
33) 4-Chloroaniline	10.657	127	484538	19.872	ng	99
34) Hexachlorobutadiene	10.840	225	555424	46.175	ng	99
35) Caprolactam	11.469	113	376079m	53.348	ng	
36) 4-Chloro-3-methylphenol	11.799	107	1170976	52.620	ng	99
37) 2-Methylnaphthalene	12.163	142	1971746	41.063	ng	98
38) 1-Methylnaphthalene	12.387	142	2095327	44.606	ng	99
40) 1,2,4,5-Tetrachloroben...	12.540	216	1066625	44.301	ng	99
41) Hexachlorocyclopentadiene	12.522	237	1464235	171.955	ng	99
43) 2,4,6-Trichlorophenol	12.787	196	808151	50.486	ng	97

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041725\
Data File : BP024323.D
Acq On : 17 Apr 2025 12:32
Operator : RC/JU
Sample : PB167564BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 17 12:56:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
PB167564BSD

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.857	196	913031	51.508	ng	99
46) 1,1'-Biphenyl	13.181	154	2841421	44.153	ng	99
47) 2-Chloronaphthalene	13.228	162	2163828	44.988	ng	99
48) 2-Nitroaniline	13.434	65	698909	51.804	ng	99
49) Acenaphthylene	14.081	152	3739262	49.379	ng	100
50) Dimethylphthalate	13.822	163	3042218	47.782	ng	99
51) 2,6-Dinitrotoluene	13.934	165	686987	50.813	ng	97
52) Acenaphthene	14.428	154	2121498	44.191	ng	100
53) 3-Nitroaniline	14.269	138	434239	30.560	ng	98
54) 2,4-Dinitrophenol	14.487	184	930798	116.879	ng	100
55) Dibenzofuran	14.763	168	3422328	43.612	ng	99
56) 4-Nitrophenol	14.598	139	1367153	111.403	ng	98
57) 2,4-Dinitrotoluene	14.740	165	985672	53.445	ng	97
58) Fluorene	15.428	166	2815136	46.341	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.998	232	819400	50.120	ng	99
60) Diethylphthalate	15.198	149	3121191	47.571	ng	99
61) 4-Chlorophenyl-phenyle...	15.416	204	1380633	46.802	ng	99
62) 4-Nitroaniline	15.451	138	757647	50.367	ng	96
63) Azobenzene	15.716	77	2779156	46.085	ng	99
65) 4,6-Dinitro-2-methylph...	15.510	198	590845	51.003	ng	99
66) n-Nitrosodiphenylamine	15.639	169	2553196	46.554	ng	99
67) 4-Bromophenyl-phenylether	16.328	248	955330	47.539	ng	98
68) Hexachlorobenzene	16.445	284	1138569	47.680	ng	98
69) Atrazine	16.622	200	948667	67.916	ng	99
70) Pentachlorophenol	16.804	266	1667730	100.110	ng	98
71) Phenanthrene	17.204	178	4526959	45.162	ng	100
72) Anthracene	17.292	178	4645447	48.085	ng	99
73) Carbazole	17.581	167	4558890	48.296	ng	99
74) Di-n-butylphthalate	18.169	149	5765574	49.026	ng	100
75) Fluoranthene	19.292	202	5545317	46.515	ng	99
77) Benzidine	19.486	184	1998211	81.248	ng	100
78) Pyrene	19.669	202	5661848	45.918	ng	100
80) Butylbenzylphthalate	20.616	149	2712595	51.361	ng	96
81) Benzo(a)anthracene	21.580	228	5744445	47.634	ng	100
82) 3,3'-Dichlorobenzidine	21.498	252	1340459	31.668	ng	100
83) Chrysene	21.651	228	5299827	45.871	ng	100
84) Bis(2-ethylhexyl)phtha...	21.522	149	3796363	49.034	ng	99
85) Di-n-octyl phthalate	22.798	149	6244844	49.614	ng	99
87) Indeno(1,2,3-cd)pyrene	28.756	276	5581645	41.897	ng	94
88) Benzo(b)fluoranthene	23.898	252	5657100	49.181	ng	99
89) Benzo(k)fluoranthene	23.968	252	5487531	49.389	ng	100
90) Benzo(a)pyrene	24.792	252	5161830	52.024	ng	99
91) Dibenzo(a,h)anthracene	28.827	278	4627739	41.850	ng	99
92) Benzo(g,h,i)perylene	29.927	276	4356459	38.705	ng	99

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

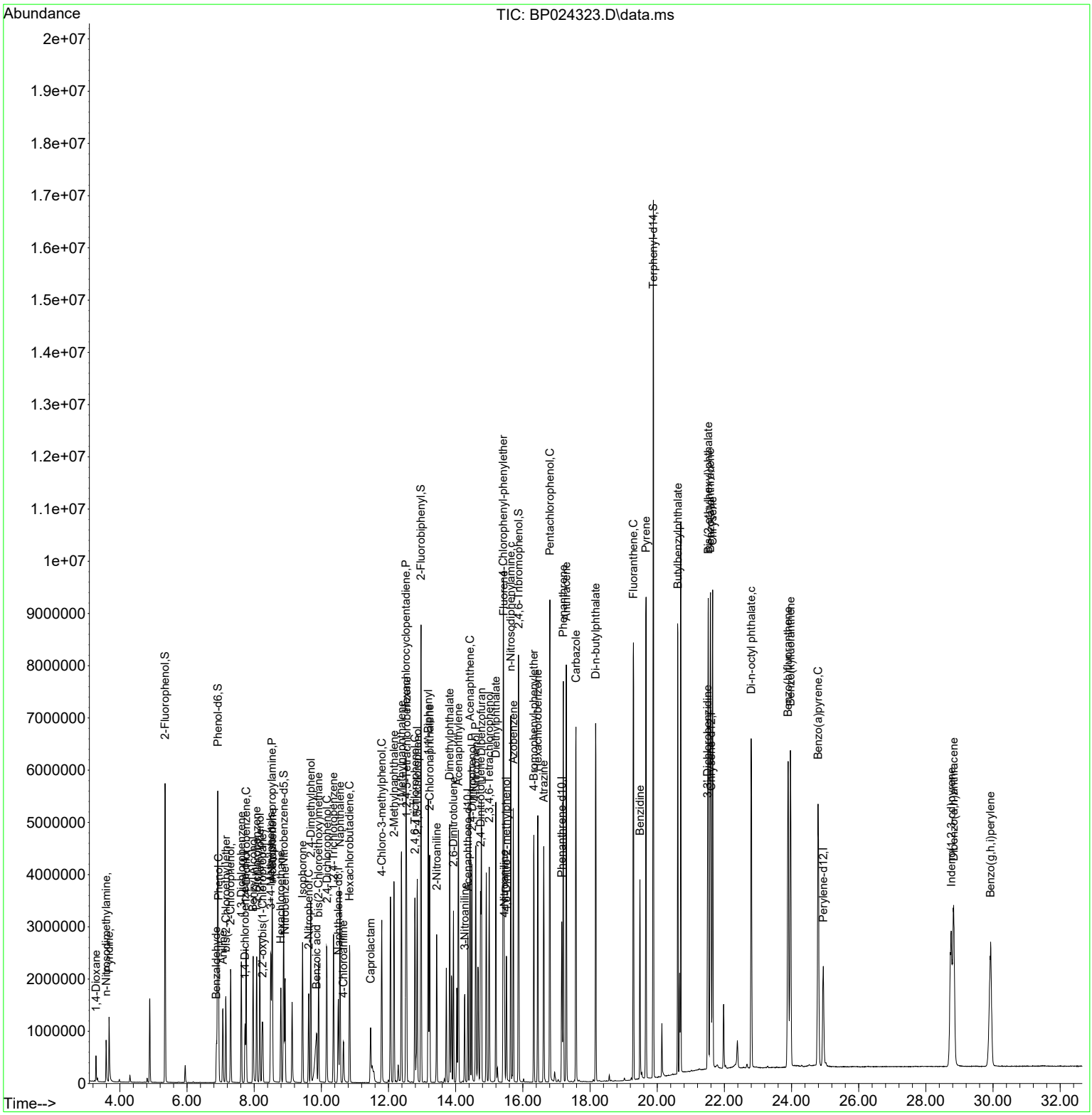
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041725\
Data File : BP024323.D
Acq On : 17 Apr 2025 12:32
Operator : RC/JU
Sample : PB167564BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 17 12:56:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
PB167564BSD

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025



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

Manual Integration Report

Sequence:	bp041425	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BP024276.D	Benzaldehyde	Rahul	4/15/2025 9:45:41 AM	Jagrut	4/15/2025 10:52:38 AM	Peak Integrated by Software
SSTDICC005	BP024276.D	Benzidine	Rahul	4/15/2025 9:45:41 AM	Jagrut	4/15/2025 10:52:38 AM	Peak Integrated by Software
SSTDICC010	BP024277.D	Benzaldehyde	Rahul	4/15/2025 9:46:12 AM	Jagrut	4/15/2025 10:52:41 AM	Peak Integrated by Software
SSTDICC010	BP024277.D	Benzoic acid	Rahul	4/15/2025 9:46:12 AM	Jagrut	4/15/2025 10:52:41 AM	Peak Integrated by Software
SSTDICC020	BP024278.D	Benzoic acid	Rahul	4/15/2025 9:46:28 AM	Jagrut	4/15/2025 10:52:44 AM	Peak Integrated by Software
SSTDICC050	BP024280.D	Indeno(1,2,3-cd)pyrene	Rahul	4/15/2025 9:47:02 AM	Jagrut	4/15/2025 10:52:46 AM	Peak Integrated by Software
SSTDICC050	BP024280.D	Pyridine	Rahul	4/15/2025 9:47:02 AM	Jagrut	4/15/2025 10:52:46 AM	Peak Integrated by Software
SSTDICC060	BP024281.D	Benzoic acid	Rahul	4/15/2025 9:47:31 AM	Jagrut	4/15/2025 10:52:48 AM	Peak Integrated by Software
SSTDICC060	BP024281.D	Indeno(1,2,3-cd)pyrene	Rahul	4/15/2025 9:47:31 AM	Jagrut	4/15/2025 10:52:48 AM	Peak Integrated by Software
SSTDICC060	BP024281.D	Pyridine	Rahul	4/15/2025 9:47:31 AM	Jagrut	4/15/2025 10:52:48 AM	Peak Integrated by Software
SSTDICC080	BP024282.D	Benzidine	Rahul	4/15/2025 9:48:04 AM	Jagrut	4/15/2025 10:52:51 AM	Peak Integrated by Software
SSTDICC080	BP024282.D	Benzoic acid	Rahul	4/15/2025 9:48:04 AM	Jagrut	4/15/2025 10:52:51 AM	Peak Integrated by Software
SSTDICC080	BP024282.D	Pyridine	Rahul	4/15/2025 9:48:04 AM	Jagrut	4/15/2025 10:52:51 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	bp041425	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICV040	BP024283.D	Indeno(1,2,3-cd)pyrene	Rahul	4/15/2025 9:50:13 AM	Jagrut	4/15/2025 10:52:54 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BP041625	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1762-02	BP024318.D	Caprolactam	Rahul	4/17/2025 10:27:23 AM	Jagrut	4/17/2025 12:29:27 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	bp041725	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BP024320.D	Benzoic acid	Rahul	4/18/2025 10:38:45 AM	Jagrut	4/18/2025 11:14:31 AM	Peak Integrated by Software
PB167564BS	BP024322.D	Benzoic acid	Rahul	4/18/2025 10:38:48 AM	Jagrut	4/18/2025 11:14:34 AM	Peak Integrated by Software
PB167564BSD	BP024323.D	Benzoic acid	Rahul	4/18/2025 10:38:51 AM	Jagrut	4/18/2025 11:14:37 AM	Peak Integrated by Software
PB167564BSD	BP024323.D	Caprolactam	Rahul	4/18/2025 10:38:51 AM	Jagrut	4/18/2025 11:14:37 AM	Peak Integrated by Software

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Fax : 908 789 8922

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP041425

Review By	Rahul	Review On	4/15/2025 9:55:40 AM		
Supervise By	Jagrut	Supervise On	4/15/2025 10:53:04 AM		
SubDirectory	BP041425	HP Acquire Method	BNA_P	HP Processing Method	bp041425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12659,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP024274.D	14 Apr 2025 10:25	RC/JU	Ok
2	SSTDICC2.5	BP024275.D	14 Apr 2025 11:06	RC/JU	Ok
3	SSTDICC005	BP024276.D	14 Apr 2025 11:47	RC/JU	Ok,M
4	SSTDICC010	BP024277.D	14 Apr 2025 12:27	RC/JU	Ok,M
5	SSTDICC020	BP024278.D	14 Apr 2025 13:08	RC/JU	Ok,M
6	SSTDICCC040	BP024279.D	14 Apr 2025 13:49	RC/JU	Ok
7	SSTDICC050	BP024280.D	14 Apr 2025 15:10	RC/JU	Ok,M
8	SSTDICC060	BP024281.D	14 Apr 2025 16:32	RC/JU	Ok,M
9	SSTDICC080	BP024282.D	14 Apr 2025 17:13	RC/JU	Ok,M
10	SSTDICV040	BP024283.D	14 Apr 2025 18:35	RC/JU	Ok,M
11	PB167488TB	BP024284.D	14 Apr 2025 19:16	RC/JU	Ok

M : Manual Integration

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 # BP041625

Review By	Rahul	Review On	4/17/2025 10:27:49 AM				
Supervise By	Jagrut	Supervise On	4/17/2025 12:29:39 PM				
SubDirectory	BP041625	HP Acquire Method	BNA_P		HP Processing Method	bp041425	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12659,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP024303.D	16 Apr 2025 09:02	RC/JU	Ok
2	SSTDCCC040	BP024304.D	16 Apr 2025 09:43	RC/JU	Ok
3	PB167606BL	BP024305.D	16 Apr 2025 10:23	RC/JU	Ok
4	PB167606BS	BP024306.D	16 Apr 2025 11:04	RC/JU	Ok,M
5	PB167599BS	BP024307.D	16 Apr 2025 11:45	RC/JU	Ok
6	PB167599BSD	BP024308.D	16 Apr 2025 12:26	RC/JU	Ok,M
7	PB167564BL	BP024309.D	16 Apr 2025 13:07	RC/JU	Ok
8	Q1788-04	BP024310.D	16 Apr 2025 13:52	RC/JU	Ok
9	Q1800-03	BP024311.D	16 Apr 2025 14:32	RC/JU	Ok
10	Q1808-02	BP024312.D	16 Apr 2025 15:13	RC/JU	Ok
11	Q1808-04	BP024313.D	16 Apr 2025 15:54	RC/JU	Ok
12	Q1791-09	BP024314.D	16 Apr 2025 16:35	RC/JU	Ok,M
13	Q1791-10	BP024315.D	16 Apr 2025 17:16	RC/JU	ReRun
14	Q1791-11	BP024316.D	16 Apr 2025 17:57	RC/JU	Ok
15	Q1791-12	BP024317.D	16 Apr 2025 18:38	RC/JU	Ok
16	Q1762-02	BP024318.D	16 Apr 2025 19:18	RC/JU	Ok,M

M : Manual Integration

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

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP041725

Review By	Rahul	Review On	4/18/2025 11:15:20 AM				
Supervise By	Jagrut	Supervise On	4/18/2025 11:15:32 AM				
SubDirectory	BP041725	HP Acquire Method	BNA_P		HP Processing Method	bp041425	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12659,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP024319.D	17 Apr 2025 09:49	RC/JU	Ok
2	SSTDCCC040	BP024320.D	17 Apr 2025 10:30	RC/JU	Ok,M
3	PB167599BL	BP024321.D	17 Apr 2025 11:10	RC/JU	Ok
4	PB167564BS	BP024322.D	17 Apr 2025 11:51	RC/JU	Ok,M
5	PB167564BSD	BP024323.D	17 Apr 2025 12:32	RC/JU	Ok,M
6	Q1791-10RE	BP024324.D	17 Apr 2025 13:18	RC/JU	Confirms
7	Q1791-13RE	BP024325.D	17 Apr 2025 13:59	RC/JU	Confirms
8	Q1821-01	BP024326.D	17 Apr 2025 14:40	RC/JU	Ok
9	Q1821-01MS	BP024327.D	17 Apr 2025 15:20	RC/JU	Ok,M
10	Q1821-01MSD	BP024328.D	17 Apr 2025 16:01	RC/JU	Ok,M
11	Q1825-01	BP024329.D	17 Apr 2025 16:42	RC/JU	ReRun
12	Q1812-02	BP024330.D	17 Apr 2025 17:23	RC/JU	Ok
13	Q1812-03	BP024331.D	17 Apr 2025 18:03	RC/JU	ReRun
14	Q1826-03	BP024332.D	17 Apr 2025 18:44	RC/JU	ReRun
15	Q1826-05	BP024333.D	17 Apr 2025 19:25	RC/JU	Ok
16	Q1818-03	BP024334.D	17 Apr 2025 20:06	RC/JU	Ok,M
17	Q1825-04	BP024335.D	17 Apr 2025 20:46	RC/JU	Dilution

M : Manual Integration

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 # BP041425

Review By	Rahul	Review On	4/15/2025 9:55:40 AM		
Supervise By	Jagrut	Supervise On	4/15/2025 10:53:04 AM		
SubDirectory	BP041425	HP Acquire Method	BNA_P	HP Processing Method	bp041425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12659,10ul/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	BP024274.D	14 Apr 2025 10:25		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BP024275.D	14 Apr 2025 11:06		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BP024276.D	14 Apr 2025 11:47	Compound #32,54,65 removed from 5ppm	RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BP024277.D	14 Apr 2025 12:27		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BP024278.D	14 Apr 2025 13:08		RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BP024279.D	14 Apr 2025 13:49	This calibration is fail for Com#77	RC/JU	Ok
7	SSTDICC050	SSTDICC050	BP024280.D	14 Apr 2025 15:10	This calibration is good for 8270E, 8270 DOD and 625.1 methods except Compound#77	RC/JU	Ok,M
8	SSTDICC060	SSTDICC060	BP024281.D	14 Apr 2025 16:32	Compound #69 Removed from 60PPM	RC/JU	Ok,M
9	SSTDICC080	SSTDICC080	BP024282.D	14 Apr 2025 17:13	Compound #69 Removed from 80PPM	RC/JU	Ok,M
10	SSTDICV040	ICVBP041425	BP024283.D	14 Apr 2025 18:35		RC/JU	Ok,M
11	PB167488TB	PB167488TB	BP024284.D	14 Apr 2025 19:16		RC/JU	Ok

M : Manual Integration

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 # BP041625

Review By	Rahul	Review On	4/17/2025 10:27:49 AM		
Supervise By	Jagrut	Supervise On	4/17/2025 12:29:39 PM		
SubDirectory	BP041625	HP Acquire Method	BNA_P	HP Processing Method	bp041425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12659,10ul/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	BP024303.D	16 Apr 2025 09:02		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BP024304.D	16 Apr 2025 09:43		RC/JU	Ok
3	PB167606BL	PB167606BL	BP024305.D	16 Apr 2025 10:23		RC/JU	Ok
4	PB167606BS	PB167606BS	BP024306.D	16 Apr 2025 11:04		RC/JU	Ok,M
5	PB167599BS	PB167599BS	BP024307.D	16 Apr 2025 11:45		RC/JU	Ok
6	PB167599BSD	PB167599BSD	BP024308.D	16 Apr 2025 12:26		RC/JU	Ok,M
7	PB167564BL	PB167564BL	BP024309.D	16 Apr 2025 13:07		RC/JU	Ok
8	Q1788-04	WC-1	BP024310.D	16 Apr 2025 13:52		RC/JU	Ok
9	Q1800-03	WC-A4-01-C	BP024311.D	16 Apr 2025 14:32		RC/JU	Ok
10	Q1808-02	OILY-SOIL-PILE	BP024312.D	16 Apr 2025 15:13		RC/JU	Ok
11	Q1808-04	LAW-25-0060	BP024313.D	16 Apr 2025 15:54		RC/JU	Ok
12	Q1791-09	VB16193	BP024314.D	16 Apr 2025 16:35		RC/JU	Ok,M
13	Q1791-10	280722	BP024315.D	16 Apr 2025 17:16	Internal Standards and surrogates Failed	RC/JU	ReRun
14	Q1791-11	280791	BP024316.D	16 Apr 2025 17:57		RC/JU	Ok
15	Q1791-12	V1207	BP024317.D	16 Apr 2025 18:38		RC/JU	Ok
16	Q1762-02	MW5	BP024318.D	16 Apr 2025 19:18		RC/JU	Ok,M

M : Manual Integration

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

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP041725

Review By	Rahul	Review On	4/18/2025 11:15:20 AM		
Supervise By	Jagrut	Supervise On	4/18/2025 11:15:32 AM		
SubDirectory	BP041725	HP Acquire Method	BNA_P	HP Processing Method	bp041425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12659,10ul/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	BP024319.D	17 Apr 2025 09:49		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BP024320.D	17 Apr 2025 10:30		RC/JU	Ok,M
3	PB167599BL	PB167599BL	BP024321.D	17 Apr 2025 11:10		RC/JU	Ok
4	PB167564BS	PB167564BS	BP024322.D	17 Apr 2025 11:51		RC/JU	Ok,M
5	PB167564BSD	PB167564BSD	BP024323.D	17 Apr 2025 12:32		RC/JU	Ok,M
6	Q1791-10RE	280722RE	BP024324.D	17 Apr 2025 13:18	Internal Standards and surrogates Failed	RC/JU	Confirms
7	Q1791-13RE	279312RE	BP024325.D	17 Apr 2025 13:59	Internal Standards and surrogates Failed	RC/JU	Confirms
8	Q1821-01	SOIL-CUTTING	BP024326.D	17 Apr 2025 14:40		RC/JU	Ok
9	Q1821-01MS	SOIL-CUTTINGMS	BP024327.D	17 Apr 2025 15:20		RC/JU	Ok,M
10	Q1821-01MSD	SOIL-CUTTINGMSD	BP024328.D	17 Apr 2025 16:01		RC/JU	Ok,M
11	Q1825-01	TP-9	BP024329.D	17 Apr 2025 16:42	Internal Standard Fail	RC/JU	ReRun
12	Q1812-02	RINSE-EB-TANK-0415	BP024330.D	17 Apr 2025 17:23		RC/JU	Ok
13	Q1812-03	RINSE-EB-PUMP-0415	BP024331.D	17 Apr 2025 18:03	Internal Standard Fail	RC/JU	ReRun
14	Q1826-03	CONCRETE-PILE	BP024332.D	17 Apr 2025 18:44	Internal Standard Fail	RC/JU	ReRun
15	Q1826-05	CONCRETE-FLOOR	BP024333.D	17 Apr 2025 19:25		RC/JU	Ok
16	Q1818-03	RT-3873	BP024334.D	17 Apr 2025 20:06		RC/JU	Ok,M
17	Q1825-04	TP-10	BP024335.D	17 Apr 2025 20:46	Need 20X Dilution	RC/JU	Dilution

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB167564

SOP ID: M3510C,3580A-Extraction SVOC-20

Clean Up SOP #: N/A

Matrix : Water

Weigh By: N/A

Balance check: N/A

Balance ID: N/A

pH Strip Lot#: E3880

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 4,6,7

Extraction Start Date : 04/11/2025

Extraction Start Time : 08:32

Extraction End Date : 04/11/2025

Extraction End Time : 13:25

Concentration By: EH

Supervisor By : rajesh

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	SP6752
Surrogate	1.0ML	100/150 PPM	SP6754
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3926
Baked Na2SO4	N/A	EP2599
10N NaoH	N/A	EP2569
H2SO4 1:1	N/A	EP2865
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5 ML Vial lot# 2210673. pH Adjusted<2 with 1:1 H2SO4 &>11 with 10 N NaOH.

KD Bath ID: Water bath -01

KD Bath Temperature: 60 °C

Envap ID: NEVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
04/11/25	RP (Ext. Lab)	RC/SVOC
13:30	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB167564

Analytical Method: M3510C,3580A-Extraction SVOC-20

Concentration Date: 04/11/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167564BL	SBLK564	SVOC-TCL BNA -20	1000	6	ritesh	rajesh	1			SEP-08
PB167564BS	SLCS564	SVOC-TCL BNA -20	1000	6	ritesh	rajesh	1			09
PB167564BSD	SLCSD564	SVOC-TCL BNA -20	1000	6	ritesh	rajesh	1			10
Q1762-02	MW5	SVOC-TCL BNA -20	1000	6	ritesh	rajesh	1	C		11

4/11/25

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

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1773 **WorkList ID :** 188867 **Department :** Extraction **Date :** 04-11-2025 08:11:08

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1762-02	MW5	Water	SVOC-TCL BNA -20	Cool 4 deg C	GENV01	L31	04/09/2025	8270E
Q1773-02	BP-TT-190D2-GW-20250407	Water	SVOC-SIMGroup1	Cool 4 deg C	TETR06	F11	04/07/2025	8270-Modified
Q1773-03	BP-TT-190D1-GW-20250409	Water	SVOC-SIMGroup1	Cool 4 deg C	TETR06	F11	04/07/2025	8270-Modified

Date/Time 04/11/25 8:30
Raw Sample Received by: RJ (Ext Lab)
Raw Sample Relinquished by: JD (SM)

Date/Time 04/11/25 8:50
Raw Sample Received by: JD (SM)
Raw Sample Relinquished by: RJ (Ext Lab)

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

LAB CHRONICLE

OrderID:	Q1762	**OrderDate:**	4/9/2025 2:47:49 PM
Client:	G Environmental	**Project:**	ANN
Contact:	Gary Landis	**Location:**	L31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1762-02	**MW5**	**Water**			**04/09/25**			**04/09/25**
			SVOC-TCL BNA -20	8270E		04/11/25	04/16/25	