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

Hit Summary Sheet
SW-846

SDG No.: Q1690

Client: G Environmental

Sample ID	Client ID		Parameter		Concentration	C	MDL	RDL	Units
Client ID :	**MW112010**								
Q1690-01	MW112010	WATER	1-Docosene	*	10.600	J	0	0	ug/L
Q1690-01	MW112010	WATER	1-Propanol, 3,3-oxybis-	*	2.600	J	0	0	ug/L
Q1690-01	MW112010	WATER	2,5,8,11,14,17-Hexaoxanonadecar	*	2.700	J	0	0	ug/L
Q1690-01	MW112010	WATER	2,5,8,11-Tetraoxadodecane	*	10.000	J	0	0	ug/L
Q1690-01	MW112010	WATER	2-Pentanone, 4-hydroxy-4-methyl	*	230.000	AB	0	0	ug/L
Q1690-01	MW112010	WATER	2-Pentanone, 4-methoxy-4-methyl	*	4.000	JB	0	0	ug/L
Q1690-01	MW112010	WATER	2-Propanol, 1-(2-butoxy-1-methyl	*	2.200	J	0	0	ug/L
Q1690-01	MW112010	WATER	Benzophenone	*	7.300	J	0	0	ug/L
Q1690-01	MW112010	WATER	Decaethylene glycol, monomethyl	*	2.600	J	0	0	ug/L
Q1690-01	MW112010	WATER	Ethane, 1,1-oxybis[2-methoxy-	*	6.400	J	0	0	ug/L
Q1690-01	MW112010	WATER	Ethanol, 2-[2-(2-methoxyethoxy)e	*	3.100	J	0	0	ug/L
Q1690-01	MW112010	WATER	Hexaethylene glycol dimethyl eth	*	3.200	J	0	0	ug/L
Q1690-01	MW112010	WATER	Methyl 13-methyltetradecanoate	*	2.200	J	0	0	ug/L
Q1690-01	MW112010	WATER	Methyl 2,5,8,11,14,17-hexaoxanoi	*	2.200	J	0	0	ug/L
Q1690-01	MW112010	WATER	Tetraglyme	*	7.800	J	0	0	ug/L
Q1690-01	MW112010	WATER	Tri(1,2-propyleneglycol), monom	*	3.000	J	0	0	ug/L
Q1690-01	MW112010	WATER	Tridecanoic acid, methyl ester	*	5.300	J	0	0	ug/L
			Total Tics :		**305.20**				
			Total Concentration:		**305.20**				

SAMPLE DATA

Raw Data: **BG064178.D**

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Report of Analysis

Client:	G Environmental	Date Collected:	03/31/25
Project:	TGP	Date Received:	04/01/25
Client Sample ID:	MW112010	SDG No.:	Q1690
Lab Sample ID:	Q1690-01	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
BG064178.D	1	04/03/25 10:10	04/03/25 22:40	PB167451

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	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	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

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Report of Analysis

Client:	G Environmental	Date Collected:	03/31/25
Project:	TGP	Date Received:	04/01/25
Client Sample ID:	MW112010	SDG No.:	Q1690
Lab Sample ID:	Q1690-01	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
BG064178.D	1	04/03/25 10:10	04/03/25 22:40	PB167451

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	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	UQ	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	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	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

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Report of Analysis

Client:	G Environmental	Date Collected:	03/31/25
Project:	TGP	Date Received:	04/01/25
Client Sample ID:	MW112010	SDG No.:	Q1690
Lab Sample ID:	Q1690-01	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
BG064178.D	1	04/03/25 10:10	04/03/25 22:40	PB167451

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	0.035	*	15 (10) - 110 (139)	0%	SPK: 150
13127-88-3	Phenol-d6	0.026	*	15 (10) - 110 (134)	0%	SPK: 150
4165-60-0	Nitrobenzene-d5	84.2		30 (49) - 130 (133)	84%	SPK: 100
321-60-8	2-Fluorobiphenyl	76.7		30 (52) - 130 (132)	77%	SPK: 100
118-79-6	2,4,6-Tribromophenol	0.055	*	15 (44) - 110 (137)	0%	SPK: 150
1718-51-0	Terphenyl-d14	87.4		30 (48) - 130 (125)	87%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	26500	7.856			
1146-65-2	Naphthalene-d8	122000	10.647			
15067-26-2	Acenaphthene-d10	100000	14.484			
1517-22-2	Phenanthrene-d10	228000	17.222			
1719-03-5	Chrysene-d12	227000	21.452			
1520-96-3	Perylene-d12	247000	24.461			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	230	AB		4.99	ug/L
000107-70-0	2-Pentanone, 4-methoxy-4-methyl-	4.00	JB		6.05	ug/L
000112-35-6	Ethanol, 2-[2-(2-methoxyethoxy)eth	3.10	J		10.8	ug/L
000111-96-6	Ethane, 1,1-oxybis[2-methoxy-	6.40	J		11.3	ug/L
1000352-12-0	Decaethylene glycol, monomethyl et	2.60	J		11.5	ug/L
1000262-26-6	Tri(1,2-propyleneglycol), monometh	3.00	J		11.8	ug/L
1000366-81-4	Methyl 2,5,8,11,14,17-hexaoxanonad	2.20	J		11.9	ug/L

Raw Data: **BG064178.D**

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Report of Analysis

Client:	G Environmental	Date Collected:	03/31/25
Project:	TGP	Date Received:	04/01/25
Client Sample ID:	MW112010	SDG No.:	Q1690
Lab Sample ID:	Q1690-01	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
BG064178.D	1	04/03/25 10:10	04/03/25 22:40	PB167451

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
023601-40-3	2,5,8,11,14,17-Hexaoxanonadecan-19	2.70	J		14.3	ug/L
000112-49-2	2,5,8,11-Tetraoxadodecane	10.0	J		14.6	ug/L
029911-28-2	2-Propanol, 1-(2-butoxy-1-methylet	2.20	J		14.7	ug/L
000119-61-9	Benzophenone	7.30	J		15.8	ug/L
000143-24-8	Tetraglyme	7.80	J		17.0	ug/L
002396-61-4	1-Propanol, 3,3-oxybis-	2.60	J		17.1	ug/L
001731-88-0	Tridecanoic acid, methyl ester	5.30	J		17.9	ug/L
001072-40-8	Hexaethylene glycol dimethyl ether	3.20	J		18.9	ug/L
1000424-50-7	Methyl 13-methyltetradecanoate	2.20	J		19.2	ug/L
001599-67-3	1-Docosene	10.6	J		21.1	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,
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Surrogate Summary

SW-846

SDG No.: Q1690

Client: G Environmental

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB167451BL	PB167451BL	2-Fluorophenol	150	140	93		15 (10)	110 (139)
		Phenol-d6	150	140	93		15 (10)	110 (134)
		Nitrobenzene-d5	100	103	103		30 (49)	130 (133)
		2-Fluorobiphenyl	100	86.2	86		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	168	112	*	15 (44)	110 (137)
		Terphenyl-d14	100	94.2	94		30 (48)	130 (125)
PB167451BS	PB167451BS	2-Fluorophenol	150	154	103		15 (10)	110 (139)
		Phenol-d6	150	153	102		15 (10)	110 (134)
		Nitrobenzene-d5	100	110	110		30 (49)	130 (133)
		2-Fluorobiphenyl	100	95.7	96		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	187	125	*	15 (44)	110 (137)
		Terphenyl-d14	100	103	103		30 (48)	130 (125)
PB167451BSD	PB167451BSD	2-Fluorophenol	150	151	101		15 (10)	110 (139)
		Phenol-d6	150	148	98		15 (10)	110 (134)
		Nitrobenzene-d5	100	106	106		30 (49)	130 (133)
		2-Fluorobiphenyl	100	92.6	93		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	186	124	*	15 (44)	110 (137)
		Terphenyl-d14	100	100	100		30 (48)	130 (125)
Q1690-01	MW112010	2-Fluorophenol	150	0.035	0	*	15 (10)	110 (139)
		Phenol-d6	150	0.026	0	*	15 (10)	110 (134)
		Nitrobenzene-d5	100	84.2	84		30 (49)	130 (133)
		2-Fluorobiphenyl	100	76.7	77		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	0.055	0	*	15 (44)	110 (137)
		Terphenyl-d14	100	87.4	87		30 (48)	130 (125)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1690

Client: G Environmental

Analytical Method: 8270E **DataFile:** BG064175.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB167451BS	Benzaldehyde	50	42.3	ug/L	85				20 (10)	160 (162)	
	Phenol	50	53.4	ug/L	107				20 (66)	160 (118)	
	bis(2-Chloroethyl)ether	50	46.6	ug/L	93				70 (62)	130 (103)	
	2-Chlorophenol	50	54.5	ug/L	109				70 (70)	130 (117)	
	2-Methylphenol	50	56.5	ug/L	113				70 (69)	130 (109)	
	2,2-oxybis(1-Chloropropane)	50	48.1	ug/L	96				70 (65)	130 (100)	
	Acetophenone	50	48.0	ug/L	96				70 (60)	130 (104)	
	3+4-Methylphenols	50	57.8	ug/L	116				20 (67)	160 (106)	
	N-Nitroso-di-n-propylamine	50	50.4	ug/L	101				70 (57)	130 (107)	
	Hexachloroethane	50	53.1	ug/L	106				20 (76)	160 (118)	
	Nitrobenzene	50	53.7	ug/L	107				70 (58)	130 (106)	
	Isophorone	50	52.8	ug/L	106				70 (61)	130 (102)	
	2-Nitrophenol	50	63.6	ug/L	127				70 (70)	130 (115)	
	2,4-Dimethylphenol	50	82.5	ug/L	165		*		70 (42)	130 (142)	
	bis(2-Chloroethoxy)methane	50	49.6	ug/L	99				70 (58)	130 (109)	
	2,4-Dichlorophenol	50	60.4	ug/L	121				70 (66)	130 (115)	
	Naphthalene	50	48.7	ug/L	97				70 (64)	130 (107)	
	4-Chloroaniline	50	12.3	ug/L	25		*		70 (10)	130 (85)	
	Hexachlorobutadiene	50	52.4	ug/L	105				70 (69)	130 (101)	
	Caprolactam	50	57.6	ug/L	115				20 (58)	160 (128)	
	4-Chloro-3-methylphenol	50	61.8	ug/L	124				70 (65)	130 (114)	
	2-Methylnaphthalene	50	46.9	ug/L	94				70 (64)	130 (107)	
	Hexachlorocyclopentadiene	100	250	ug/L	250		*		20 (36)	160 (160)	
	2,4,6-Trichlorophenol	50	57.4	ug/L	115				70 (61)	130 (110)	
	2,4,5-Trichlorophenol	50	58.4	ug/L	117				70 (70)	130 (106)	
	1,1-Biphenyl	50	48.6	ug/L	97				70 (72)	130 (98)	
	2-Chloronaphthalene	50	48.7	ug/L	97				70 (59)	130 (106)	
	2-Nitroaniline	50	56.7	ug/L	113				70 (73)	130 (114)	
	Dimethylphthalate	50	51.0	ug/L	102				70 (64)	130 (103)	
	Acenaphthylene	50	53.6	ug/L	107				70 (79)	130 (103)	
	2,6-Dinitrotoluene	50	55.1	ug/L	110				70 (64)	130 (110)	
	3-Nitroaniline	50	21.9	ug/L	44		*		70 (28)	130 (100)	
	Acenaphthene	50	48.8	ug/L	98				70 (59)	130 (113)	
	2,4-Dinitrophenol	100	160	ug/L	160				20 (36)	160 (166)	
	4-Nitrophenol	100	130	ug/L	130				20 (45)	160 (147)	
	Dibenzofuran	50	48.7	ug/L	97				70 (65)	130 (106)	
	2,4-Dinitrotoluene	50	59.6	ug/L	119				70 (60)	130 (115)	
	Diethylphthalate	50	52.2	ug/L	104				70 (63)	130 (105)	
	4-Chlorophenyl-phenylether	50	50.9	ug/L	102				70 (61)	130 (104)	
	Fluorene	50	51.1	ug/L	102				70 (64)	130 (107)	
	4-Nitroaniline	50	55.7	ug/L	111				70 (55)	130 (125)	
	4,6-Dinitro-2-methylphenol	50	68.5	ug/L	137		*		70 (62)	130 (132)	
	N-Nitrosodiphenylamine	50	51.5	ug/L	103				70 (61)	130 (109)	
	4-Bromophenyl-phenylether	50	52.3	ug/L	105				70 (73)	130 (103)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1690

Client: G Environmental

Analytical Method: 8270E **DataFile:** BG064175.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB167451BS	Hexachlorobenzene	50	51.0	ug/L	102				70 (73)	130 (106)	
	Atrazine	50	71.5	ug/L	143		*		70 (76)	130 (120)	
	Pentachlorophenol	100	110	ug/L	110				20 (47)	160 (114)	
	Phenanthrene	50	50.5	ug/L	101				70 (62)	130 (109)	
	Anthracene	50	51.9	ug/L	104				70 (65)	130 (110)	
	Carbazole	50	50.5	ug/L	101				70 (62)	130 (106)	
	Di-n-butylphthalate	50	53.0	ug/L	106				70 (64)	130 (106)	
	Fluoranthene	50	49.0	ug/L	98				70 (64)	130 (110)	
	Pyrene	50	51.4	ug/L	103				70 (71)	130 (103)	
	Butylbenzylphthalate	50	57.7	ug/L	115				70 (61)	130 (105)	
	3,3-Dichlorobenzidine	50	27.1	ug/L	54		*		70 (43)	130 (108)	
	Benzo(a)anthracene	50	52.5	ug/L	105				70 (62)	130 (107)	
	Chrysene	50	49.6	ug/L	99				70 (61)	130 (108)	
	bis(2-Ethylhexyl)phthalate	50	60.4	ug/L	121				70 (59)	130 (110)	
	Di-n-octyl phthalate	50	59.7	ug/L	119				70 (52)	130 (139)	
	Benzo(b)fluoranthene	50	50.5	ug/L	101				70 (77)	130 (113)	
	Benzo(k)fluoranthene	50	50.2	ug/L	100				70 (77)	130 (105)	
	Benzo(a)pyrene	50	55.0	ug/L	110				70 (72)	130 (131)	
	Indeno(1,2,3-cd)pyrene	50	54.7	ug/L	109				70 (72)	130 (105)	
	Dibenz(a,h)anthracene	50	53.9	ug/L	108				70 (78)	130 (115)	
	Benzo(g,h,i)perylene	50	50.6	ug/L	101				70 (75)	130 (118)	
	1,2,4,5-Tetrachlorobenzene	50	47.7	ug/L	95				70 (72)	130 (101)	
	1,4-Dioxane	50	28.4	ug/L	57				20 (38)	160 (125)	
	2,3,4,6-Tetrachlorophenol	50	60.2	ug/L	120				70 (63)	130 (116)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1690

Client: G Environmental

Analytical Method: 8270E **DataFile:** BG064176.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB167451BSD	Benzaldehyde	50	40.3	ug/L	81	5			20 (10)	160 (162)	20 (20)
	Phenol	50	52.9	ug/L	106	1			20 (66)	160 (118)	20 (20)
	bis(2-Chloroethyl)ether	50	44.8	ug/L	90	4			70 (62)	130 (103)	20 (20)
	2-Chlorophenol	50	54.5	ug/L	109	0			70 (70)	130 (117)	20 (20)
	2-Methylphenol	50	56.9	ug/L	114	1			70 (69)	130 (109)	20 (20)
	2,2-oxybis(1-Chloropropane)	50	47.8	ug/L	96	1			70 (65)	130 (100)	20 (20)
	Acetophenone	50	45.8	ug/L	92	5			70 (60)	130 (104)	20 (20)
	3+4-Methylphenols	50	56.8	ug/L	114	2			20 (67)	160 (106)	20 (20)
	N-Nitroso-di-n-propylamine	50	50.1	ug/L	100	1			70 (57)	130 (107)	20 (20)
	Hexachloroethane	50	53.7	ug/L	107	1			20 (76)	160 (118)	20 (20)
	Nitrobenzene	50	52.6	ug/L	105	2			70 (58)	130 (106)	20 (20)
	Isophorone	50	49.5	ug/L	99	6			70 (61)	130 (102)	20 (20)
	2-Nitrophenol	50	61.9	ug/L	124	3			70 (70)	130 (115)	20 (20)
	2,4-Dimethylphenol	50	76.6	ug/L	153	7	*		70 (42)	130 (142)	20 (20)
	bis(2-Chloroethoxy)methane	50	47.7	ug/L	95	4			70 (58)	130 (109)	20 (20)
	2,4-Dichlorophenol	50	58.2	ug/L	116	4			70 (66)	130 (115)	20 (20)
	Naphthalene	50	47.1	ug/L	94	3			70 (64)	130 (107)	20 (20)
	4-Chloroaniline	50	11.4	ug/L	23	8	*		70 (10)	130 (85)	20 (20)
	Hexachlorobutadiene	50	50.5	ug/L	101	4			70 (69)	130 (101)	20 (20)
	Caprolactam	50	58.1	ug/L	116	1			20 (58)	160 (128)	20 (20)
	4-Chloro-3-methylphenol	50	58.0	ug/L	116	6			70 (65)	130 (114)	20 (20)
	2-Methylnaphthalene	50	45.7	ug/L	91	3			70 (64)	130 (107)	20 (20)
	Hexachlorocyclopentadiene	100	250	ug/L	250	0	*		20 (36)	160 (160)	20 (20)
	2,4,6-Trichlorophenol	50	56.9	ug/L	114	1			70 (61)	130 (110)	20 (20)
	2,4,5-Trichlorophenol	50	57.3	ug/L	115	2			70 (70)	130 (106)	20 (20)
	1,1-Biphenyl	50	47.5	ug/L	95	2			70 (72)	130 (98)	20 (20)
	2-Chloronaphthalene	50	49.0	ug/L	98	1			70 (59)	130 (106)	20 (20)
	2-Nitroaniline	50	56.2	ug/L	112	1			70 (73)	130 (114)	20 (20)
	Dimethylphthalate	50	50.7	ug/L	101	1			70 (64)	130 (103)	20 (20)
	Acenaphthylene	50	53.7	ug/L	107	0			70 (79)	130 (103)	20 (20)
	2,6-Dinitrotoluene	50	53.6	ug/L	107	3			70 (64)	130 (110)	20 (20)
	3-Nitroaniline	50	21.8	ug/L	44	0	*		70 (28)	130 (100)	20 (20)
	Acenaphthene	50	47.3	ug/L	95	3			70 (59)	130 (113)	20 (20)
	2,4-Dinitrophenol	100	160	ug/L	160	0			20 (36)	160 (166)	20 (20)
	4-Nitrophenol	100	130	ug/L	130	0			20 (45)	160 (147)	20 (20)
	Dibenzofuran	50	47.9	ug/L	96	2			70 (65)	130 (106)	20 (20)
	2,4-Dinitrotoluene	50	61.5	ug/L	123	3			70 (60)	130 (115)	20 (20)
	Diethylphthalate	50	51.3	ug/L	103	2			70 (63)	130 (105)	20 (20)
	4-Chlorophenyl-phenylether	50	51.2	ug/L	102	1			70 (61)	130 (104)	20 (20)
	Fluorene	50	50.8	ug/L	102	1			70 (64)	130 (107)	20 (20)
	4-Nitroaniline	50	55.2	ug/L	110	1			70 (55)	130 (125)	20 (20)
	4,6-Dinitro-2-methylphenol	50	70.7	ug/L	141	3	*		70 (62)	130 (132)	20 (20)
	N-Nitrosodiphenylamine	50	51.4	ug/L	103	0			70 (61)	130 (109)	20 (20)
	4-Bromophenyl-phenylether	50	52.9	ug/L	106	1			70 (73)	130 (103)	20 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1690

Client: G Environmental

Analytical Method: 8270E **DataFile:** BG064176.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB167451BSD	Hexachlorobenzene	50	52.4	ug/L	105	3			70 (73)	130 (106)	20 (20)
	Atrazine	50	71.7	ug/L	143	0	*		70 (76)	130 (120)	20 (20)
	Pentachlorophenol	100	110	ug/L	110	0			20 (47)	160 (114)	20 (20)
	Phenanthrene	50	50.9	ug/L	102	1			70 (62)	130 (109)	20 (20)
	Anthracene	50	53.4	ug/L	107	3			70 (65)	130 (110)	20 (20)
	Carbazole	50	51.8	ug/L	104	3			70 (62)	130 (106)	20 (20)
	Di-n-butylphthalate	50	52.9	ug/L	106	0			70 (64)	130 (106)	20 (20)
	Fluoranthene	50	49.6	ug/L	99	1			70 (64)	130 (110)	20 (20)
	Pyrene	50	49.8	ug/L	100	3			70 (71)	130 (103)	20 (20)
	Butylbenzylphthalate	50	56.6	ug/L	113	2			70 (61)	130 (105)	20 (20)
	3,3-Dichlorobenzidine	50	25.4	ug/L	51	6	*		70 (43)	130 (108)	20 (20)
	Benzo(a)anthracene	50	51.2	ug/L	102	3			70 (62)	130 (107)	20 (20)
	Chrysene	50	48.3	ug/L	97	3			70 (61)	130 (108)	20 (20)
	bis(2-Ethylhexyl)phthalate	50	57.8	ug/L	116	4			70 (59)	130 (110)	20 (20)
	Di-n-octyl phthalate	50	58.3	ug/L	117	2			70 (52)	130 (139)	20 (20)
	Benzo(b)fluoranthene	50	50.8	ug/L	102	1			70 (77)	130 (113)	20 (20)
	Benzo(k)fluoranthene	50	49.1	ug/L	98	2			70 (77)	130 (105)	20 (20)
	Benzo(a)pyrene	50	54.0	ug/L	108	2			70 (72)	130 (131)	20 (20)
	Indeno(1,2,3-cd)pyrene	50	54.1	ug/L	108	1			70 (72)	130 (105)	20 (20)
	Dibenz(a,h)anthracene	50	54.1	ug/L	108	0			70 (78)	130 (115)	20 (20)
	Benzo(g,h,i)perylene	50	49.8	ug/L	100	2			70 (75)	130 (118)	20 (20)
	1,2,4,5-Tetrachlorobenzene	50	45.6	ug/L	91	5			70 (72)	130 (101)	20 (20)
	1,4-Dioxane	50	30.1	ug/L	60	6			20 (38)	160 (125)	20 (20)
	2,3,4,6-Tetrachlorophenol	50	60.2	ug/L	120	0			70 (63)	130 (116)	20 (20)

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167451BL

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1690 SAS No.: Q1690 SDG NO.: Q1690

Lab File ID: BG064174.D Lab Sample ID: PB167451BL

Instrument ID: BNA_G Date Extracted: 04/03/2025

Matrix: (soil/water) Water Date Analyzed: 04/03/2025

Level: (low/med) LOW Time Analyzed: 19:58

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB167451BS	PB167451BS	BG064175.D	04/03/2025
PB167451BSD	PB167451BSD	BG064176.D	04/03/2025
MW112010	Q1690-01	BG064178.D	04/03/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM SAS No.: Q1690 SDG NO.: Q1690

Lab File ID: BG064044.D DFTPP Injection Date: 03/05/2025

Instrument ID: BNA_G DFTPP Injection Time: 08:15

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	55.3
68	Less than 2.0% of mass 69	0.4 (1.1) 1
69	Mass 69 relative abundance	38
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	47
197	Less than 2.0% of mass 198	0.6
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.4
275	10.0 - 60.0% of mass 198	26.2
365	Greater than 1% of mass 198	4.5
441	Present, but less than mass 443	13.7
442	Greater than 50% of mass 198	85.4
443	15.0 - 24.0% of mass 442	17.2 (20.2) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BG064045.D	03/05/2025	09:02
SSTDICC005	SSTDICC005	BG064046.D	03/05/2025	09:42
SSTDICC010	SSTDICC010	BG064047.D	03/05/2025	10:22
SSTDICC020	SSTDICC020	BG064048.D	03/05/2025	11:03
SSTDICCC040	SSTDICCC040	BG064049.D	03/05/2025	11:43
SSTDICC050	SSTDICC050	BG064050.D	03/05/2025	12:23
SSTDICC060	SSTDICC060	BG064051.D	03/05/2025	13:04
SSTDICC080	SSTDICC080	BG064052.D	03/05/2025	13:44

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM SAS No.: Q1690 SDG NO.: Q1690

Lab File ID: BG064163.D DFTPP Injection Date: 04/03/2025

Instrument ID: BNA_G DFTPP Injection Time: 12:24

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	56
68	Less than 2.0% of mass 69	0.3 (0.8) 1
69	Mass 69 relative abundance	40.6
70	Less than 2.0% of mass 69	0.3 (0.8) 1
127	10.0 - 80.0% of mass 198	48.4
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	7.7
275	10.0 - 60.0% of mass 198	28.1
365	Greater than 1% of mass 198	4.6
441	Present, but less than mass 443	14.4
442	Greater than 50% of mass 198	81
443	15.0 - 24.0% of mass 442	16.4 (20.2) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BG064164.D	04/03/2025	13:04
PB167451BL	PB167451BL	BG064174.D	04/03/2025	19:58
PB167451BS	PB167451BS	BG064175.D	04/03/2025	20:38
PB167451BSD	PB167451BSD	BG064176.D	04/03/2025	21:19
MW112010	Q1690-01	BG064178.D	04/03/2025	22:40

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1690 SAS No.: Q1690 SDG NO.: Q1690

EPA Sample No.: SSTDCCC040 Date Analyzed: 04/03/2025

Lab File ID: BG064164.D Time Analyzed: 13:04

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	32960	7.856	151982	10.65	113011	14.48
	UPPER LIMIT	65920	8.356	303964	11.152	226022	14.983
	LOWER LIMIT	16480	7.356	75991	10.152	56505.5	13.983
	EPA SAMPLE NO.						
01	PB167451BL	27407	7.85	121488	10.65	99612	14.48
02	PB167451BS	27724	7.86	127043	10.65	99227	14.48
03	PB167451BSD	28303	7.86	133092	10.65	102019	14.48
04	MW112010	26545	7.86	122172	10.65	99976	14.48

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.: Q1690 SAS No.: Q1690 SDG NO.: Q1690

EPA Sample No.: SSTDCCC040 Date Analyzed: 04/03/2025

Lab File ID: BG064164.D Time Analyzed: 13:04

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	257861	17.227	259274	21.457	274699	24.471
	UPPER LIMIT	515722	17.727	518548	21.957	549398	24.971
	LOWER LIMIT	128931	16.727	129637	20.957	137350	23.971
	EPA SAMPLE NO.						
01	PB167451BL	240876	17.23	250147	21.45	267703	24.46
02	PB167451BS	235595	17.22	232442	21.46	250687	24.47
03	PB167451BSD	241112	17.23	247153	21.46	262161	24.47
04	MW112010	228491	17.22	227158	21.45	246565	24.46

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

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

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

QC SAMPLE DATA

Raw Data: **BG064174.D**

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Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	TGP			Date Received:	
Client Sample ID:	PB167451BL			SDG No.:	Q1690
Lab Sample ID:	PB167451BL			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
BG064174.D	1	04/03/25 10:10	04/03/25 19:58	PB167451

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

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	TGP	Date Received:	
Client Sample ID:	PB167451BL	SDG No.:	Q1690
Lab Sample ID:	PB167451BL	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
BG064174.D	1	04/03/25 10:10	04/03/25 19:58	PB167451

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

Raw Data: **BG064174.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:	TGP			Date Received:	
Client Sample ID:	PB167451BL			SDG No.:	Q1690
Lab Sample ID:	PB167451BL			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
BG064174.D	1	04/03/25 10:10	04/03/25 19:58	PB167451

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	140		15 (10) - 110 (139)	93%	SPK: 150
13127-88-3	Phenol-d6	140		15 (10) - 110 (134)	93%	SPK: 150
4165-60-0	Nitrobenzene-d5	103		30 (49) - 130 (133)	103%	SPK: 100
321-60-8	2-Fluorobiphenyl	86.2		30 (52) - 130 (132)	86%	SPK: 100
118-79-6	2,4,6-Tribromophenol	168	*	15 (44) - 110 (137)	112%	SPK: 150
1718-51-0	Terphenyl-d14	94.2		30 (48) - 130 (125)	94%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	27400	7.853			
1146-65-2	Naphthalene-d8	121000	10.65			
15067-26-2	Acenaphthene-d10	99600	14.481			
1517-22-2	Phenanthrene-d10	241000	17.225			
1719-03-5	Chrysene-d12	250000	21.449			
1520-96-3	Perylene-d12	268000	24.463			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	25.9	A		4.98	ug/L
000107-70-0	2-Pentanone, 4-methoxy-4-methyl-	4.40	J		6.05	ug/L

Raw Data: **BG064174.D**

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Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	TGP			Date Received:	
Client Sample ID:	PB167451BL			SDG No.:	Q1690
Lab Sample ID:	PB167451BL			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
BG064174.D	1	04/03/25 10:10	04/03/25 19:58	PB167451

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:	TGP			Date Received:	
Client Sample ID:	PB167451BS			SDG No.:	Q1690
Lab Sample ID:	PB167451BS			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
BG064175.D	1	04/03/25 10:10	04/03/25 20:38	PB167451

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	42.3		3.90	10.0	ug/L
108-95-2	Phenol	53.4		0.91	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	46.6		0.81	5.00	ug/L
95-57-8	2-Chlorophenol	54.5		0.58	5.00	ug/L
95-48-7	2-Methylphenol	56.5		1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	48.1		1.30	5.00	ug/L
98-86-2	Acetophenone	48.0		0.74	5.00	ug/L
65794-96-9	3+4-Methylphenols	57.8		1.10	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	50.4		1.40	2.50	ug/L
67-72-1	Hexachloroethane	53.1		0.65	5.00	ug/L
98-95-3	Nitrobenzene	53.7		0.76	5.00	ug/L
78-59-1	Isophorone	52.8		0.75	5.00	ug/L
88-75-5	2-Nitrophenol	63.6		1.80	5.00	ug/L
105-67-9	2,4-Dimethylphenol	82.5	E	1.90	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	49.6		0.68	5.00	ug/L
120-83-2	2,4-Dichlorophenol	60.4		0.52	5.00	ug/L
91-20-3	Naphthalene	48.7		0.50	5.00	ug/L
106-47-8	4-Chloroaniline	12.3		0.84	5.00	ug/L
87-68-3	Hexachlorobutadiene	52.4		0.54	5.00	ug/L
105-60-2	Caprolactam	57.6		1.10	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	61.8		0.59	5.00	ug/L
91-57-6	2-Methylnaphthalene	46.9		0.56	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	250	E	3.60	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	57.4		0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	58.4		0.62	5.00	ug/L
92-52-4	1,1-Biphenyl	48.6		0.53	5.00	ug/L
91-58-7	2-Chloronaphthalene	48.7		0.61	5.00	ug/L
88-74-4	2-Nitroaniline	56.7		1.30	5.00	ug/L
131-11-3	Dimethylphthalate	51.0		0.61	5.00	ug/L

Raw Data: **BG064175.D**

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	TGP	Date Received:	
Client Sample ID:	PB167451BS	SDG No.:	Q1690
Lab Sample ID:	PB167451BS	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
BG064175.D	1	04/03/25 10:10	04/03/25 20:38	PB167451

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	53.6		0.75	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	55.1		0.92	5.00	ug/L
99-09-2	3-Nitroaniline	21.9		1.10	5.00	ug/L
83-32-9	Acenaphthene	48.8		0.55	5.00	ug/L
51-28-5	2,4-Dinitrophenol	160	E	6.00	10.0	ug/L
100-02-7	4-Nitrophenol	130	E	2.40	10.0	ug/L
132-64-9	Dibenzofuran	48.7		0.61	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	59.6		1.20	5.00	ug/L
84-66-2	Diethylphthalate	52.2		0.69	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	50.9		0.68	5.00	ug/L
86-73-7	Fluorene	51.1		0.63	5.00	ug/L
100-01-6	4-Nitroaniline	55.7		1.50	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	68.5		2.90	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	51.5		0.58	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	52.3		0.40	5.00	ug/L
118-74-1	Hexachlorobenzene	51.0		0.52	5.00	ug/L
1912-24-9	Atrazine	71.5		1.00	5.00	ug/L
87-86-5	Pentachlorophenol	110	E	1.60	10.0	ug/L
85-01-8	Phenanthrene	50.5		0.50	5.00	ug/L
120-12-7	Anthracene	51.9		0.61	5.00	ug/L
86-74-8	Carbazole	50.5		0.72	5.00	ug/L
84-74-2	Di-n-butylphthalate	53.0		1.20	5.00	ug/L
206-44-0	Fluoranthene	49.0		0.82	5.00	ug/L
129-00-0	Pyrene	51.4		0.50	5.00	ug/L
85-68-7	Butylbenzylphthalate	57.7		1.90	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	27.1		0.93	10.0	ug/L
56-55-3	Benzo(a)anthracene	52.5		0.45	5.00	ug/L
218-01-9	Chrysene	49.6		0.44	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	60.4		1.60	5.00	ug/L
117-84-0	Di-n-octyl phthalate	59.7		2.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	50.5		0.49	5.00	ug/L

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Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	TGP			Date Received:	
Client Sample ID:	PB167451BS			SDG No.:	Q1690
Lab Sample ID:	PB167451BS			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
BG064175.D	1	04/03/25 10:10	04/03/25 20:38	PB167451

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	50.2		0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	55.0		0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	54.7		0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	53.9		0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	50.6		0.69	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	47.7		0.52	5.00	ug/L
123-91-1	1,4-Dioxane	28.4		1.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	60.2		0.72	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	154		15 (10) - 110 (139)	103%	SPK: 150
13127-88-3	Phenol-d6	153		15 (10) - 110 (134)	102%	SPK: 150
4165-60-0	Nitrobenzene-d5	110		30 (49) - 130 (133)	110%	SPK: 100
321-60-8	2-Fluorobiphenyl	95.7		30 (52) - 130 (132)	96%	SPK: 100
118-79-6	2,4,6-Tribromophenol	187	*	15 (44) - 110 (137)	125%	SPK: 150
1718-51-0	Terphenyl-d14	103		30 (48) - 130 (125)	103%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	27700	7.856			
1146-65-2	Naphthalene-d8	127000	10.646			
15067-26-2	Acenaphthene-d10	99200	14.483			
1517-22-2	Phenanthrene-d10	236000	17.221			
1719-03-5	Chrysene-d12	232000	21.457			
1520-96-3	Perylene-d12	251000	24.465			

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: **BG064176.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:	TGP			Date Received:	
Client Sample ID:	PB167451BSD			SDG No.:	Q1690
Lab Sample ID:	PB167451BSD			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
BG064176.D	1	04/03/25 10:10	04/03/25 21:19	PB167451

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	40.3		3.90	10.0	ug/L
108-95-2	Phenol	52.9		0.91	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	44.8		0.81	5.00	ug/L
95-57-8	2-Chlorophenol	54.5		0.58	5.00	ug/L
95-48-7	2-Methylphenol	56.9		1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	47.8		1.30	5.00	ug/L
98-86-2	Acetophenone	45.8		0.74	5.00	ug/L
65794-96-9	3+4-Methylphenols	56.8		1.10	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	50.1		1.40	2.50	ug/L
67-72-1	Hexachloroethane	53.7		0.65	5.00	ug/L
98-95-3	Nitrobenzene	52.6		0.76	5.00	ug/L
78-59-1	Isophorone	49.5		0.75	5.00	ug/L
88-75-5	2-Nitrophenol	61.9		1.80	5.00	ug/L
105-67-9	2,4-Dimethylphenol	76.6		1.90	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	47.7		0.68	5.00	ug/L
120-83-2	2,4-Dichlorophenol	58.2		0.52	5.00	ug/L
91-20-3	Naphthalene	47.1		0.50	5.00	ug/L
106-47-8	4-Chloroaniline	11.4		0.84	5.00	ug/L
87-68-3	Hexachlorobutadiene	50.5		0.54	5.00	ug/L
105-60-2	Caprolactam	58.1		1.10	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	58.0		0.59	5.00	ug/L
91-57-6	2-Methylnaphthalene	45.7		0.56	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	250	E	3.60	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	56.9		0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	57.3		0.62	5.00	ug/L
92-52-4	1,1-Biphenyl	47.5		0.53	5.00	ug/L
91-58-7	2-Chloronaphthalene	49.0		0.61	5.00	ug/L
88-74-4	2-Nitroaniline	56.2		1.30	5.00	ug/L
131-11-3	Dimethylphthalate	50.7		0.61	5.00	ug/L

Raw Data: **BG064176.D**

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

Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	TGP			Date Received:	
Client Sample ID:	PB167451BSD			SDG No.:	Q1690
Lab Sample ID:	PB167451BSD			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
BG064176.D	1	04/03/25 10:10	04/03/25 21:19	PB167451

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	53.7		0.75	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	53.6		0.92	5.00	ug/L
99-09-2	3-Nitroaniline	21.8		1.10	5.00	ug/L
83-32-9	Acenaphthene	47.3		0.55	5.00	ug/L
51-28-5	2,4-Dinitrophenol	160	E	6.00	10.0	ug/L
100-02-7	4-Nitrophenol	130	E	2.40	10.0	ug/L
132-64-9	Dibenzofuran	47.9		0.61	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	61.5		1.20	5.00	ug/L
84-66-2	Diethylphthalate	51.3		0.69	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	51.2		0.68	5.00	ug/L
86-73-7	Fluorene	50.8		0.63	5.00	ug/L
100-01-6	4-Nitroaniline	55.2		1.50	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	70.7		2.90	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	51.4		0.58	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	52.9		0.40	5.00	ug/L
118-74-1	Hexachlorobenzene	52.4		0.52	5.00	ug/L
1912-24-9	Atrazine	71.7		1.00	5.00	ug/L
87-86-5	Pentachlorophenol	110	E	1.60	10.0	ug/L
85-01-8	Phenanthrene	50.9		0.50	5.00	ug/L
120-12-7	Anthracene	53.4		0.61	5.00	ug/L
86-74-8	Carbazole	51.8		0.72	5.00	ug/L
84-74-2	Di-n-butylphthalate	52.9		1.20	5.00	ug/L
206-44-0	Fluoranthene	49.6		0.82	5.00	ug/L
129-00-0	Pyrene	49.8		0.50	5.00	ug/L
85-68-7	Butylbenzylphthalate	56.6		1.90	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	25.4		0.93	10.0	ug/L
56-55-3	Benzo(a)anthracene	51.2		0.45	5.00	ug/L
218-01-9	Chrysene	48.3		0.44	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	57.8		1.60	5.00	ug/L
117-84-0	Di-n-octyl phthalate	58.3		2.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	50.8		0.49	5.00	ug/L

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:	TGP			Date Received:	
Client Sample ID:	PB167451BSD			SDG No.:	Q1690
Lab Sample ID:	PB167451BSD			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
BG064176.D	1	04/03/25 10:10	04/03/25 21:19	PB167451

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	49.1		0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	54.0		0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	54.1		0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	54.1		0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	49.8		0.69	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	45.6		0.52	5.00	ug/L
123-91-1	1,4-Dioxane	30.1		1.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	60.2		0.72	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	151		15 (10) - 110 (139)	101%	SPK: 150
13127-88-3	Phenol-d6	148		15 (10) - 110 (134)	98%	SPK: 150
4165-60-0	Nitrobenzene-d5	106		30 (49) - 130 (133)	106%	SPK: 100
321-60-8	2-Fluorobiphenyl	92.6		30 (52) - 130 (132)	93%	SPK: 100
118-79-6	2,4,6-Tribromophenol	186	*	15 (44) - 110 (137)	124%	SPK: 150
1718-51-0	Terphenyl-d14	100		30 (48) - 130 (125)	100%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	28300	7.861			
1146-65-2	Naphthalene-d8	133000	10.646			
15067-26-2	Acenaphthene-d10	102000	14.483			
1517-22-2	Phenanthrene-d10	241000	17.226			
1719-03-5	Chrysene-d12	247000	21.457			
1520-96-3	Perylene-d12	262000	24.465			

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 GC/MS Ins

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG030525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Mar 05 15:39:19 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BG064045.D 5 =BG064046.D 10 =BG064047.D 20 =BG064048.D 40 =BG064049.D 50 =BG064050.D 60 =BG064051.D 80 =BG0640
52.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.598	0.605	0.624	0.585	0.559	0.539	0.554	0.580	5.31
3)		Pyridine		1.450	1.445	1.452	1.573	1.338	1.376	1.248	1.412	7.30
4)		n-Nitrosodimet...		0.892	0.976	1.017	1.064	0.996	1.047	1.068	1.009	6.16
5)	S	2-Fluorophenol		1.165	1.240	1.330	1.350	1.259	1.318	1.304	1.281	5.00
6)		Aniline		1.593	1.670	1.825	1.820	1.642	1.748	1.671	1.710	5.24
7)	S	Phenol-d6		1.580	1.631	1.794	1.848	1.703	1.839	1.803	1.742	6.09
8)		2-Chlorophenol		1.262	1.337	1.412	1.446	1.333	1.420	1.420	1.376	4.80
9)		Benzaldehyde		1.111	1.122	1.133	1.003	0.860	0.850		1.013	12.94
10)	C	Phenol		1.590	1.693	1.826	1.881	1.752	1.900	1.846	1.784	6.30
11)		bis(2-Chloroet...		1.375	1.444	1.424	1.415	1.322	1.418	1.394	1.399	2.88
12)		1,3-Dichlorobe...		1.523	1.539	1.501	1.546	1.438	1.519	1.508	1.511	2.36
13)	C	1,4-Dichlorobe...		1.548	1.546	1.607	1.592	1.478	1.536	1.532	1.548	2.72
14)		1,2-Dichlorobe...		1.488	1.464	1.543	1.519	1.416	1.525	1.497	1.493	2.88
15)		Benzyl Alcohol		1.115	1.249	1.343	1.436	1.358	1.467	1.457	1.346	9.50
16)		2,2'-oxybis(1-...		3.064	3.024	3.209	3.282	2.996	3.218	3.222	3.145	3.61
17)		2-Methylphenol		1.015	1.116	1.177	1.268	1.171	1.269	1.271	1.184	8.11
18)		Hexachloroethane		0.489	0.519	0.520	0.577	0.526	0.581	0.580	0.542	6.88
19)	P	n-Nitroso-di-n...	1.146	1.095	1.157	1.282	1.323	1.189	1.322	1.268	1.223	7.13
20)		3+4-Methylphenols		1.402	1.518	1.638	1.706	1.612	1.804	1.729	1.630	8.34
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.522	0.525	0.580	0.563	0.546	0.561	0.543	0.548	3.82
23)	S	Nitrobenzene-d5		0.290	0.300	0.360	0.385	0.390	0.400	0.409	0.362	13.32
24)		Nitrobenzene		0.298	0.320	0.390	0.397	0.396	0.409	0.409	0.374	12.20
25)		Isophorone		0.709	0.672	0.744	0.745	0.717	0.757	0.727	0.724	3.93
26)	C	2-Nitrophenol		0.067	0.079	0.096	0.122	0.130	0.141	0.147	0.112	28.03
27)		2,4-Dimethylph...		0.194	0.187	0.221	0.228	0.221	0.239	0.229	0.217	8.82
28)		bis(2-Chloroet...		0.424	0.417	0.468	0.443	0.427	0.449	0.445	0.439	4.03
29)	C	2,4-Dichloroph...		0.222	0.239	0.281	0.287	0.290	0.301	0.298	0.274	11.22
30)		1,2,4-Trichlor...		0.323	0.317	0.343	0.332	0.336	0.335	0.332	0.331	2.54
31)		Naphthalene		1.078	1.043	1.114	1.079	1.061	1.097	1.077	1.078	2.13
32)		Benzoic acid			0.078	0.139	0.172	0.191	0.217	0.220	0.170	31.75
33)		4-Chloroaniline		0.355	0.364	0.407	0.416	0.394	0.419	0.404	0.394	6.46
34)	C	Hexachlorobuta...		0.208	0.213	0.225	0.219	0.216	0.220	0.218	0.217	2.55
35)		Caprolactam		0.086	0.091	0.112	0.110	0.113	0.112	0.111	0.105	10.78
36)	C	4-Chloro-3-met...		0.293	0.330	0.379	0.373	0.373	0.390	0.376	0.359	9.67
37)		2-Methylnaphth...		0.775	0.727	0.788	0.763	0.746	0.779	0.751	0.761	2.80
38)		1-Methylnaphth...		0.745	0.728	0.771	0.753	0.724	0.768	0.733	0.746	2.53

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG030525.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.547	0.584	0.592	0.586	0.560	0.562	0.566	0.571	2.88
41)	P	Hexachlorocycl...	0.123	0.128	0.161	0.175	0.175	0.180	0.183	0.161	15.44
42)	S	2,4,6-Tribromo...	0.166	0.191	0.226	0.241	0.241	0.250	0.241	0.222	14.12
43)	C	2,4,6-Trichlor...	0.268	0.293	0.341	0.358	0.362	0.368	0.366	0.337	11.89
44)		2,4,5-Trichlor...	0.284	0.330	0.381	0.406	0.396	0.407	0.413	0.374	12.98
45)	S	2-Fluorobiphenyl	1.369	1.310	1.359	1.368	1.283	1.284	1.251	1.318	3.62
46)		1,1'-Biphenyl	1.506	1.499	1.572	1.538	1.475	1.512	1.475	1.511	2.29
47)		2-Chloronaphth...	1.086	1.075	1.100	1.127	1.102	1.121	1.103	1.102	1.63
48)		2-Nitroaniline	0.197	0.231	0.277	0.348	0.368	0.396	0.408	0.318	26.14
49)		Acenaphthylene	1.714	1.677	1.793	1.789	1.735	1.777	1.717	1.743	2.53
50)		Dimethylphthalate	1.432	1.401	1.559	1.520	1.463	1.508	1.452	1.476	3.73
51)		2,6-Dinitrotol...	0.158	0.200	0.262	0.292	0.300	0.307	0.308	0.261	22.73
52)	C	Acenaphthene	1.165	1.148	1.231	1.187	1.159	1.171	1.128	1.170	2.77
53)		3-Nitroaniline	0.190	0.228	0.298	0.316	0.313	0.329	0.323	0.285	18.96
54)	P	2,4-Dinitrophenol		0.066	0.084	0.100	0.111	0.121	0.129	0.102	23.25
55)		Dibenzofuran	1.926	1.881	1.976	1.941	1.853	1.864	1.826	1.895	2.84
56)	P	4-Nitrophenol		0.164	0.200	0.257	0.280	0.270	0.265	0.239	19.47
57)		2,4-Dinitrotol...	0.225	0.255	0.344	0.404	0.418	0.426	0.424	0.357	23.78
58)		Fluorene	1.555	1.450	1.542	1.478	1.452	1.460	1.395	1.476	3.79
59)		2,3,4,6-Tetrac...	0.262	0.326	0.388	0.395	0.385	0.402	0.393	0.365	14.21
60)		Diethylphthalate	1.496	1.501	1.709	1.669	1.624	1.637	1.584	1.603	5.06
61)		4-Chlorophenyl...	0.754	0.744	0.788	0.735	0.712	0.721	0.681	0.733	4.61
62)		4-Nitroaniline	0.213	0.263	0.313	0.345	0.351	0.339	0.333	0.308	16.67
63)		Azobenzene	1.734	1.645	1.785	1.758	1.700	1.705	1.644	1.710	3.13
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.050	0.059	0.075	0.082	0.092	0.096	0.076	24.31
66)	c	n-Nitrosodiphe...	0.558	0.551	0.582	0.578	0.558	0.571	0.565	0.566	2.06
67)		4-Bromophenyl-...	0.186	0.195	0.212	0.210	0.200	0.217	0.213	0.205	5.61
68)		Hexachlorobenzene	0.227	0.226	0.236	0.229	0.228	0.229	0.230	0.229	1.45
69)		Atrazine	0.175	0.190	0.179	0.160	0.129			0.167	14.34
70)	C	Pentachlorophenol		0.105	0.128	0.149	0.151	0.159	0.163	0.142	15.58
71)		Phenanthrene	1.084	1.034	1.110	1.080	1.054	1.059	1.047	1.067	2.44
72)		Anthracene	1.024	1.041	1.104	1.085	1.055	1.065	1.051	1.061	2.55
73)		Carbazole	0.949	0.988	1.020	1.027	1.007	0.986	0.956	0.990	3.02
74)		Di-n-butylphth...	0.932	1.095	1.213	1.257	1.236	1.219	1.208	1.166	9.90
75)	C	Fluoranthene	1.272	1.315	1.336	1.318	1.298	1.243	1.221	1.286	3.31
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.221	0.400	0.238	0.313	0.195	0.299	0.271	0.277	24.80
78)		Pyrene	1.251	1.287	1.350	1.310	1.254	1.290	1.282	1.289	2.63
79)	S	Terphenyl-d14	1.011	1.024	1.062	0.999	0.944	0.957	0.927	0.989	4.88
80)		Butylbenzylpht...	0.285	0.331	0.405	0.465	0.473	0.503	0.502	0.423	20.44
81)		Benzo(a)anthra...	1.217	1.268	1.310	1.303	1.275	1.309	1.286	1.281	2.54
82)		3,3'-Dichlorob...	0.350	0.396	0.444	0.450	0.416	0.436	0.411	0.415	8.27
83)		Chrysene	1.281	1.233	1.308	1.306	1.263	1.301	1.252	1.278	2.29
84)		Bis(2-ethylhex...	0.504	0.582	0.685	0.757	0.751	0.789	0.782	0.693	15.90
85)	c	Di-n-octyl pht...		0.892	1.108	1.239	1.256	1.339	1.338	1.195	14.31

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG030525.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.223	1.232	1.408	1.376	1.354	1.381	1.394	1.338	5.80
88)		Benzo(b)fluora...	1.150	1.146	1.269	1.216	1.232	1.215	1.236	1.209	3.76
89)		Benzo(k)fluora...	1.111	1.189	1.281	1.255	1.205	1.234	1.215	1.213	4.49
90)	C	Benzo(a)pyrene	0.993	1.022	1.124	1.107	1.106	1.092	1.093	1.077	4.57
91)		Dibenzo(a,h)an...	1.029	1.036	1.151	1.133	1.134	1.123	1.160	1.109	4.86
92)		Benzo(g,h,i)pe...	1.049	1.093	1.208	1.152	1.146	1.155	1.168	1.139	4.58

(#) = 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.: Q1690 SAS No.: Q1690 SDG No.: Q1690

Instrument ID: BNA_G Calibration Date/Time: 04/03/2025 13:04

Lab File ID: BG064164.D Init. Calib. Date(s): 03/05/2025 03/05/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:02 13:44

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.281	1.216		-5.1	
Benzaldehyde	1.013	0.930		-8.2	
Phenol-d6	1.742	1.737		-0.3	
Phenol	1.784	1.707		-4.3	20.0
bis(2-Chloroethyl)ether	1.399	1.271		-9.1	
2-Chlorophenol	1.376	1.358		-1.3	
2-Methylphenol	1.184	1.221		3.1	
2,2-oxybis(1-Chloropropane)	3.145	2.896		-7.9	
Acetophenone	0.548	0.522		-4.7	
3+4-Methylphenols	1.630	1.653		1.4	
n-Nitroso-di-n-propylamine	1.223	1.233	0.050	0.8	
Nitrobenzene-d5	0.362	0.386		6.6	
Hexachloroethane	0.542	0.568		4.8	
Nitrobenzene	0.374	0.395		5.6	
Isophorone	0.724	0.678		-6.4	
2-Nitrophenol	0.112	0.158		41.1	20.0
2,4-Dimethylphenol	0.217	0.222		2.3	
bis(2-Chloroethoxy)methane	0.439	0.418		-4.8	
2,4-Dichlorophenol	0.274	0.292		6.6	20.0
Naphthalene	1.078	1.071		-0.6	
4-Chloroaniline	0.394	0.399		1.3	
Hexachlorobutadiene	0.217	0.220		1.4	20.0
Caprolactam	0.105	0.111		5.7	
4-Chloro-3-methylphenol	0.359	0.397		10.6	20.0
2-Methylnaphthalene	0.761	0.798		4.9	
Hexachlorocyclopentadiene	0.161	0.224	0.050	39.1	
2,4,6-Trichlorophenol	0.337	0.362		7.4	20.0
2-Fluorobiphenyl	1.318	1.287		-2.4	
2,4,5-Trichlorophenol	0.374	0.411		9.9	
1,1-Biphenyl	1.511	1.451		-4.0	
2-Chloronaphthalene	1.102	1.045		-5.2	
2-Nitroaniline	0.318	0.396		24.5	
Dimethylphthalate	1.476	1.455		-1.4	
Acenaphthylene	1.743	1.673		-4.0	
2,6-Dinitrotoluene	0.261	0.309		18.4	
3-Nitroaniline	0.285	0.312		9.5	
Acenaphthene	1.170	1.118		-4.4	20.0
2,4-Dinitrophenol	0.102	0.153	0.050	50.0	
4-Nitrophenol	0.239	0.264	0.050	10.5	

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Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1690 SAS No.: Q1690 SDG No.: Q1690

Instrument ID: BNA_G Calibration Date/Time: 04/03/2025 13:04

Lab File ID: BG064164.D Init. Calib. Date(s): 03/05/2025 03/05/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:02 13:44

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.895	1.831		-3.4	
2,4-Dinitrotoluene	0.357	0.438		22.7	
Diethylphthalate	1.603	1.624		1.3	
4-Chlorophenyl-phenylether	0.733	0.722		-1.5	
Fluorene	1.476	1.455		-1.4	
4-Nitroaniline	0.308	0.341		10.7	
4,6-Dinitro-2-methylphenol	0.076	0.112		47.4	
n-Nitrosodiphenylamine	0.566	0.554		-2.1	20.0
2,4,6-Tribromophenol	0.222	0.261		17.6	
4-Bromophenyl-phenylether	0.205	0.211		2.9	
Hexachlorobenzene	0.229	0.230		0.4	
Atrazine	0.167	0.145		-13.2	
Pentachlorophenol	0.142	0.157		10.6	20.0
Phenanthrene	1.067	1.041		-2.4	
Anthracene	1.061	1.047		-1.3	
Carbazole	0.990	0.973		-1.7	
Di-n-butylphthalate	1.166	1.230		5.5	
Fluoranthene	1.286	1.246		-3.1	20.0
Pyrene	1.289	1.273		-1.2	
Terphenyl-d14	0.989	0.970		-1.9	
Butylbenzylphthalate	0.423	0.546		29.1	
3,3-Dichlorobenzidine	0.415	0.435		4.8	
Benzo(a)anthracene	1.281	1.251		-2.3	
Chrysene	1.278	1.204		-5.8	
Bis(2-ethylhexyl)phthalate	0.693	0.801		15.6	
Di-n-octyl phthalate	1.195	1.386		16.0	20.0
Benzo(b)fluoranthene	1.209	1.209		0.0	
Benzo(k)fluoranthene	1.213	1.121		-7.6	
Benzo(a)pyrene	1.077	1.056		-2.0	20.0
Indeno(1,2,3-cd)pyrene	1.338	1.318		-1.5	
Dibenzo(a,h)anthracene	1.109	1.111		0.2	
Benzo(g,h,i)perylene	1.139	1.104		-3.1	
1,2,4,5-Tetrachlorobenzene	0.571	0.557		-2.5	
1,4-Dioxane	0.580	0.514		-11.4	20.0
2,3,4,6-Tetrachlorophenol	0.365	0.414		13.4	

All other compounds must meet a minimum RRF of 0.010.

SAMPLE RAW DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040325\
Data File : BG064178.D
Acq On : 3 Apr 2025 22:40
Operator : RC/JU
Sample : Q1690-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW112010

Quant Time: Apr 04 01:49:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

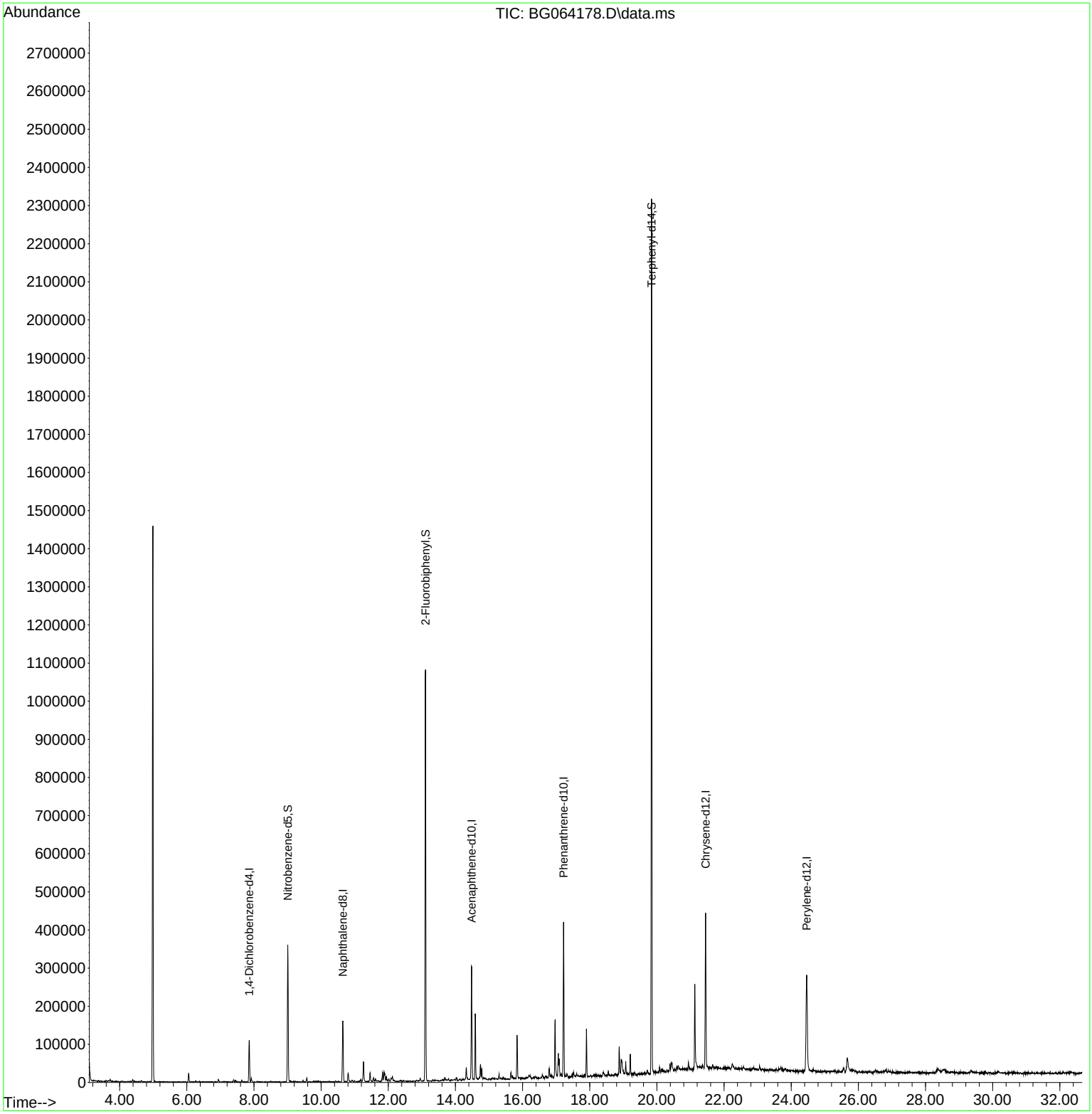
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.856	152	26545	20.000	ng	0.00
21) Naphthalene-d8	10.647	136	122172	20.000	ng	0.00
39) Acenaphthene-d10	14.484	164	99976	20.000	ng	0.00
64) Phenanthrene-d10	17.222	188	228491	20.000	ng	0.00
76) Chrysene-d12	21.452	240	227158	20.000	ng	0.00
86) Perylene-d12	24.461	264	246565	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.989	112	60	0.035	ng	-0.46
7) Phenol-d6	7.034	99	61	0.026	ng	0.00
23) Nitrobenzene-d5	9.008	82	186184	84.216	ng	0.00
42) 2,4,6-Tribromophenol	15.636	330	61	0.055	ng	-0.34
45) 2-Fluorobiphenyl	13.109	172	505056	76.680	ng	0.00
79) Terphenyl-d14	19.842	244	981941	87.405	ng	0.00
Target Compounds						Qvalue

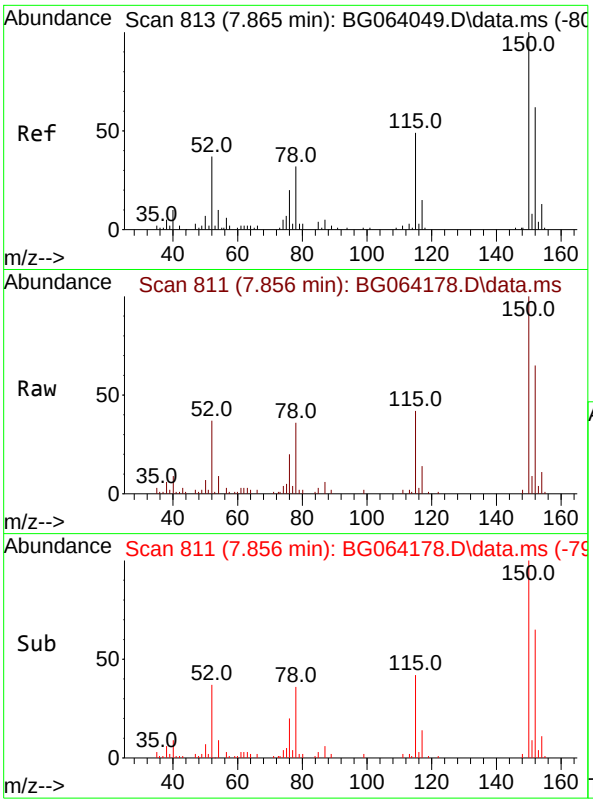
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040325\
Data File : BG064178.D
Acq On : 3 Apr 2025 22:40
Operator : RC/JU
Sample : Q1690-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW112010

Quant Time: Apr 04 01:49:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration



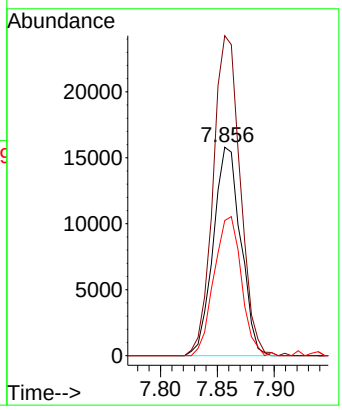


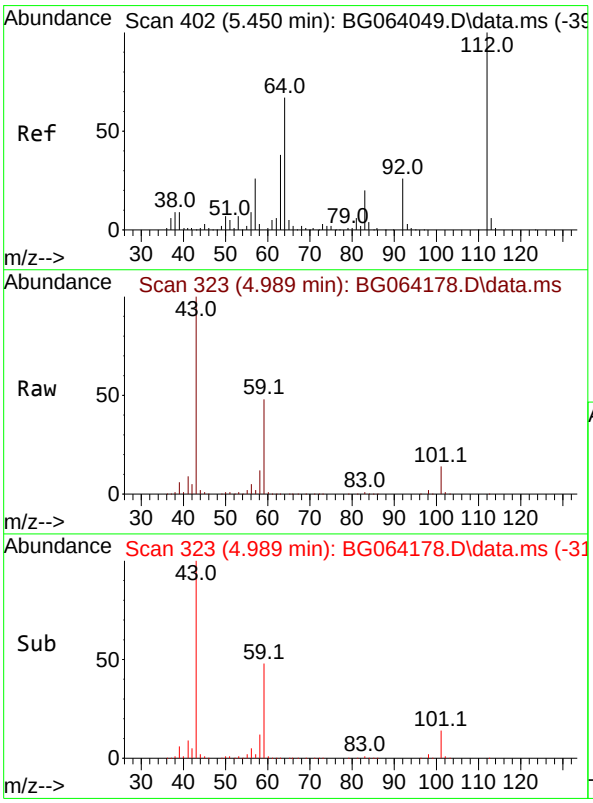
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.856 min Scan# 81
Delta R.T. -0.009 min
Lab File: BG064178.D
Acq: 3 Apr 2025 22:40

Instrument :
BNA_G
ClientSampleId :
MW112010

Tgt Ion:152 Resp: 26545

Ion	Ratio	Lower	Upper
152	100		
150	153.4	129.2	193.8
115	64.8	63.0	94.6

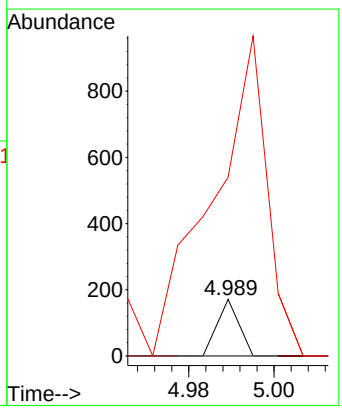


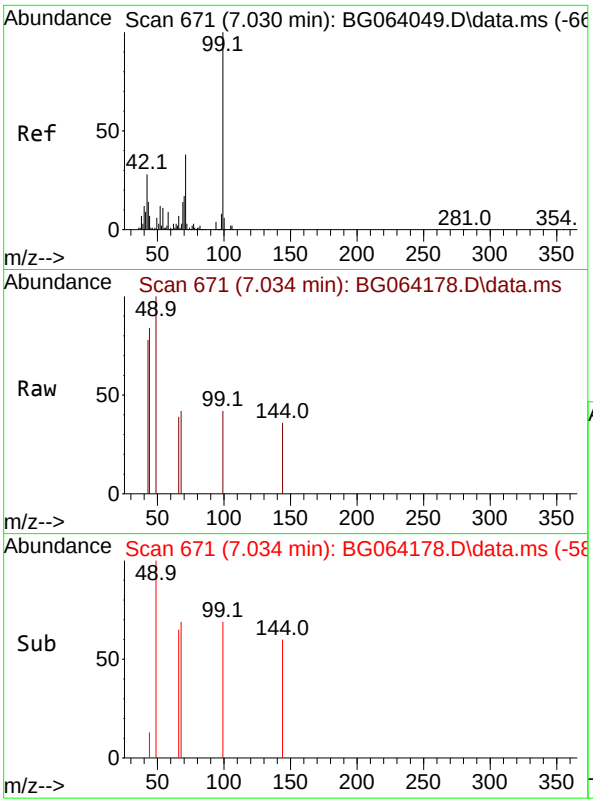


#5
2-Fluorophenol
Concen: 0.035 ng
RT: 4.989 min Scan# 323
Delta R.T. -0.461 min
Lab File: BG064178.D
Acq: 3 Apr 2025 22:40

Tgt Ion:112 Resp: 60

Ion	Ratio	Lower	Upper
112	100		
64	0.0	53.7	80.5#
63	315.8	30.2	45.4#



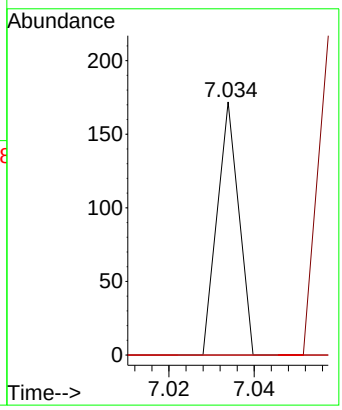


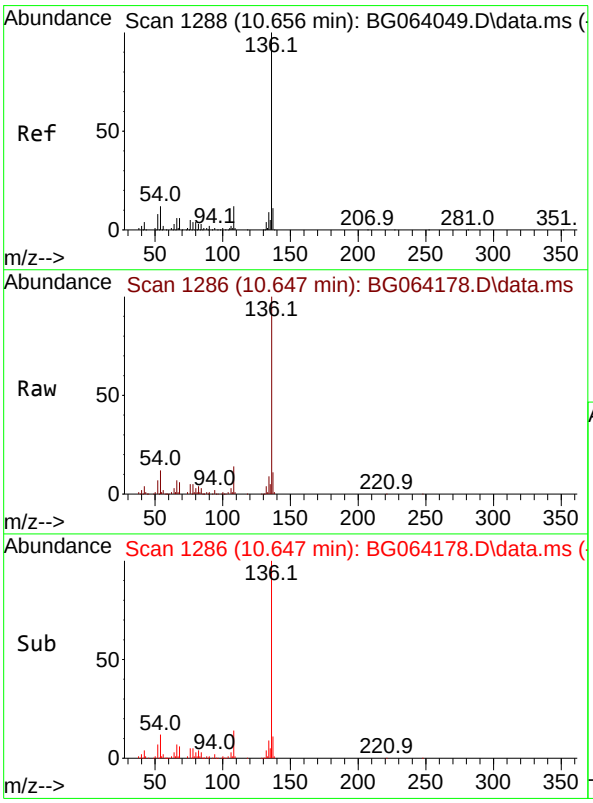
#7
Phenol-d6
Concen: 0.026 ng
RT: 7.034 min Scan# 6
Delta R.T. 0.003 min
Lab File: BG064178.D
Acq: 3 Apr 2025 22:40

Instrument :
BNA_G
ClientSampleId :
MW112010

Tgt Ion: 99 Resp: 61

Ion	Ratio	Lower	Upper
99	100		
42	0.0	22.7	34.1#
71	0.0	30.6	46.0#

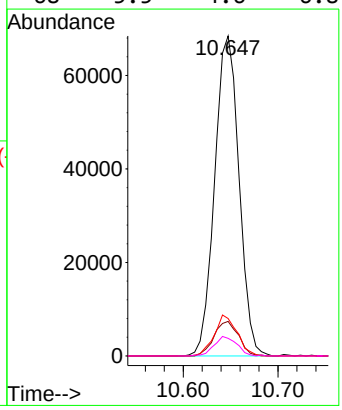


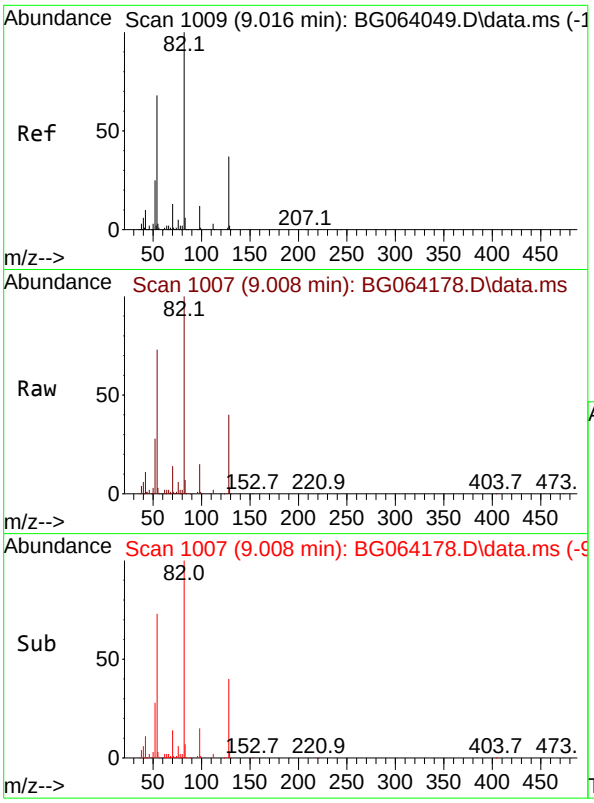


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.647 min Scan# 1286
Delta R.T. -0.009 min
Lab File: BG064178.D
Acq: 3 Apr 2025 22:40

Tgt Ion:136 Resp: 122172

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.5	12.7
54	11.7	9.9	14.9
68	5.5	4.6	6.8



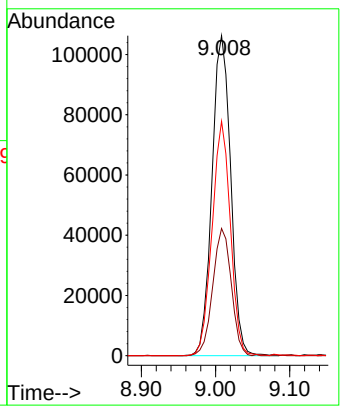


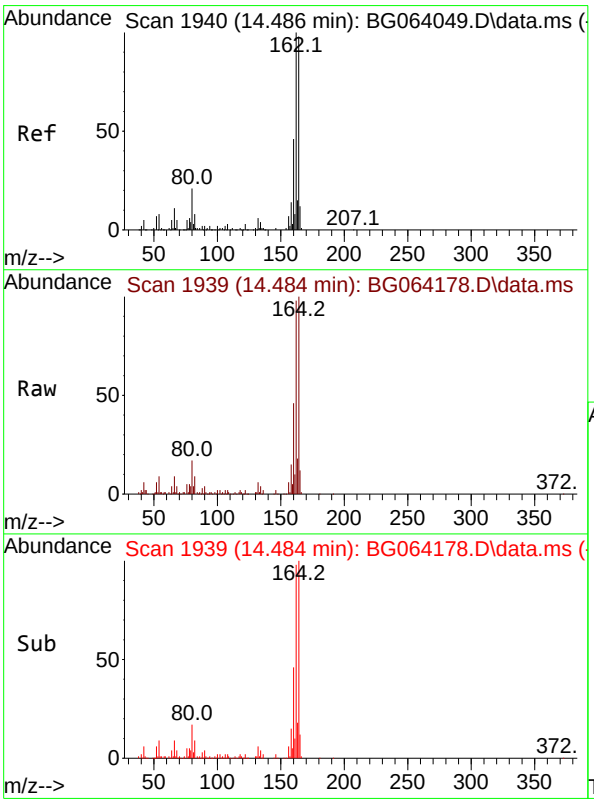
#23
Nitrobenzene-d5
Concen: 84.216 ng
RT: 9.008 min Scan# 1
Delta R.T. -0.008 min
Lab File: BG064178.D
Acq: 3 Apr 2025 22:40

Instrument :
BNA_G
ClientSampleId :
MW112010

Tgt Ion: 82 Resp: 186184

Ion	Ratio	Lower	Upper
82	100		
128	39.7	30.0	45.0
54	73.3	54.7	82.1

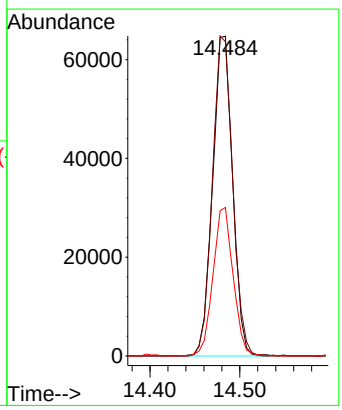


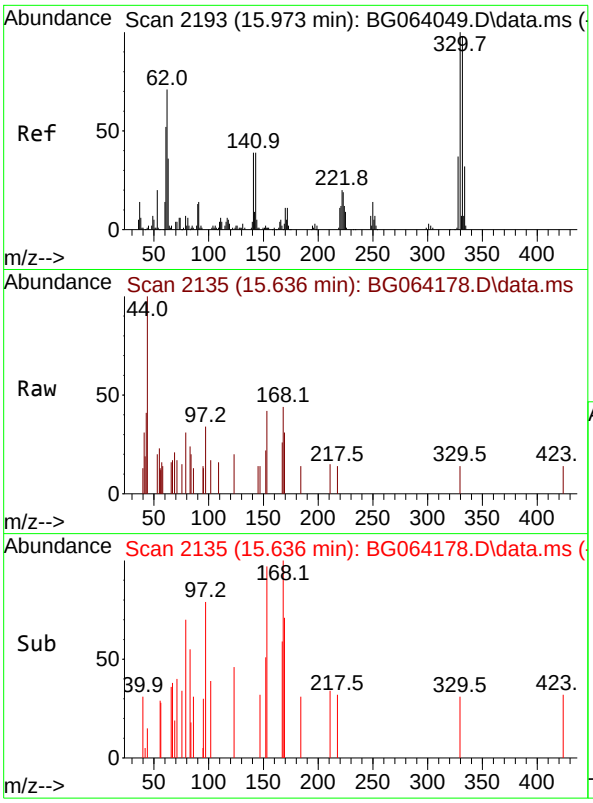


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.484 min Scan# 1939
Delta R.T. -0.002 min
Lab File: BG064178.D
Acq: 3 Apr 2025 22:40

Tgt Ion:164 Resp: 99976

Ion	Ratio	Lower	Upper
164	100		
162	98.2	81.4	122.0
160	46.4	37.0	55.6



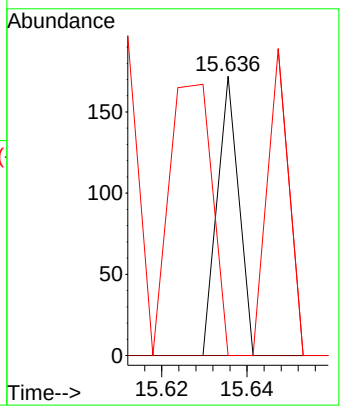


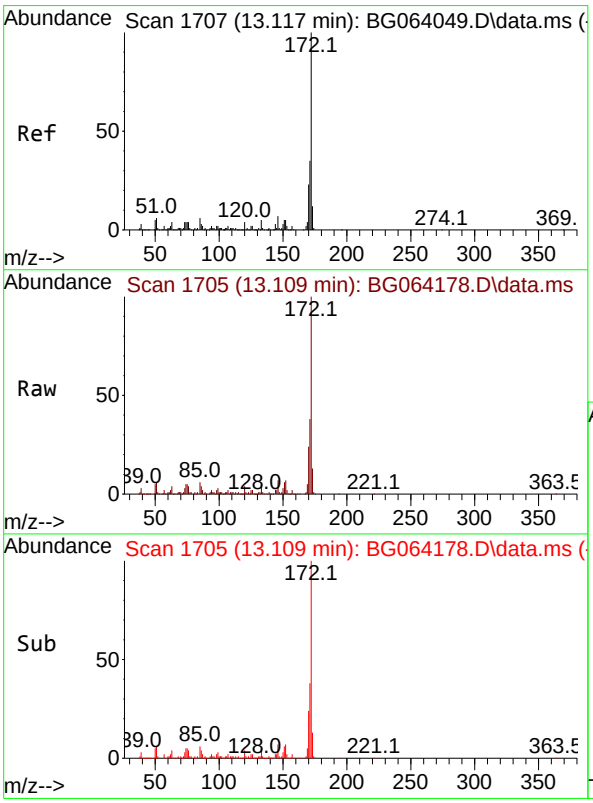
#42
2,4,6-Tribromophenol
Concen: 0.055 ng
RT: 15.636 min Scan# 21
Delta R.T. -0.337 min
Lab File: BG064178.D
Acq: 3 Apr 2025 22:40

Instrument :
BNA_G
ClientSampleId :
MW112010

Tgt Ion:330 Resp: 61

Ion	Ratio	Lower	Upper
330	100		
332	0.0	76.7	115.1#
141	191.8	29.7	44.5#

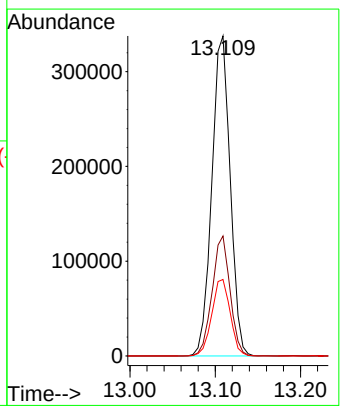


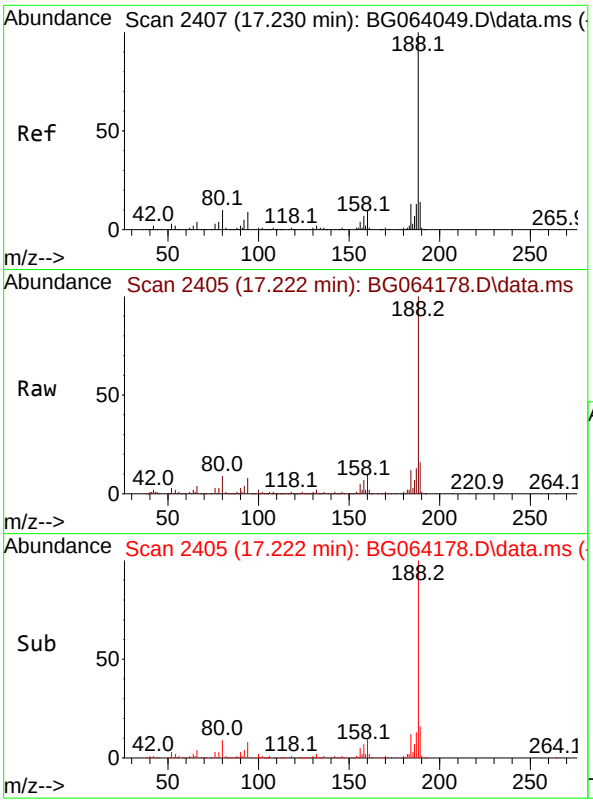


#45
2-Fluorobiphenyl
Concen: 76.680 ng
RT: 13.109 min Scan# 1705
Delta R.T. -0.008 min
Lab File: BG064178.D
Acq: 3 Apr 2025 22:40

Tgt Ion:172 Resp: 505056

Ion	Ratio	Lower	Upper
172	100		
171	37.5	28.0	42.0
170	23.9	18.7	28.1



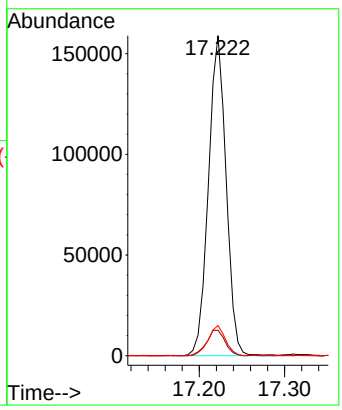


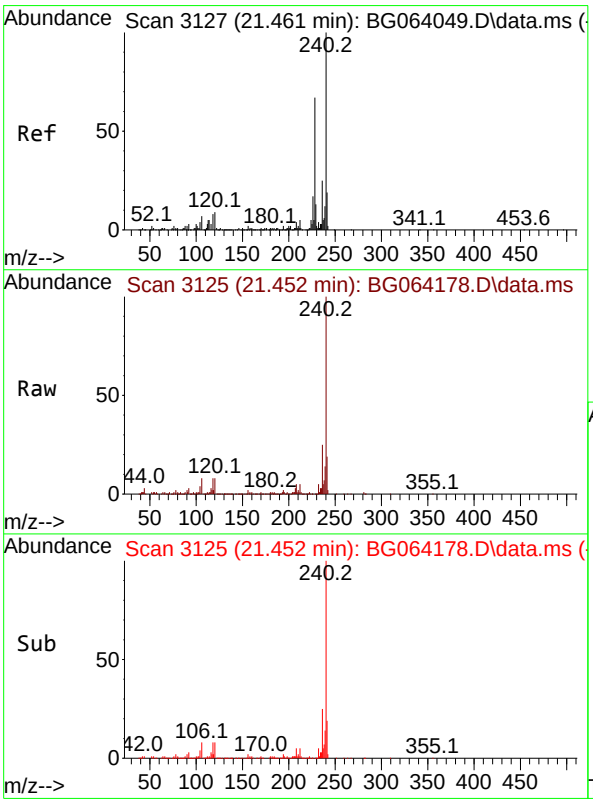
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.222 min Scan# 24
Delta R.T. -0.008 min
Lab File: BG064178.D
Acq: 3 Apr 2025 22:40

Instrument :
BNA_G
ClientSampleId :
MW112010

Tgt Ion:188 Resp: 228491

Ion	Ratio	Lower	Upper
188	100		
94	8.0	6.9	10.3
80	9.4	8.1	12.1

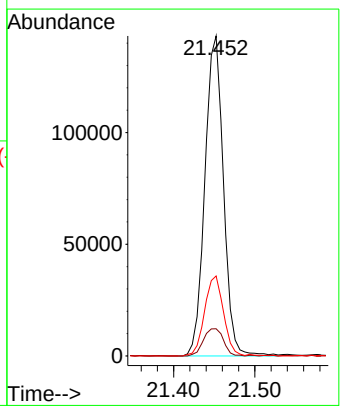


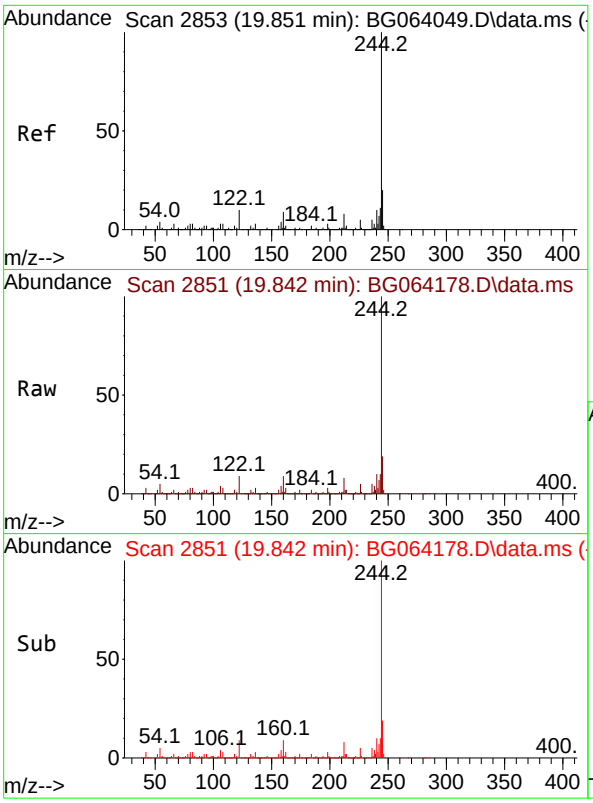


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.452 min Scan# 3125
Delta R.T. -0.008 min
Lab File: BG064178.D
Acq: 3 Apr 2025 22:40

Tgt Ion:240 Resp: 227158

Ion	Ratio	Lower	Upper
240	100		
120	8.5	7.2	10.8
236	25.0	20.2	30.2



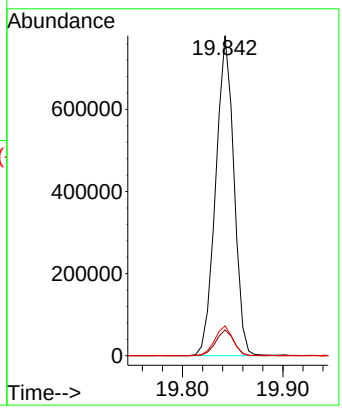


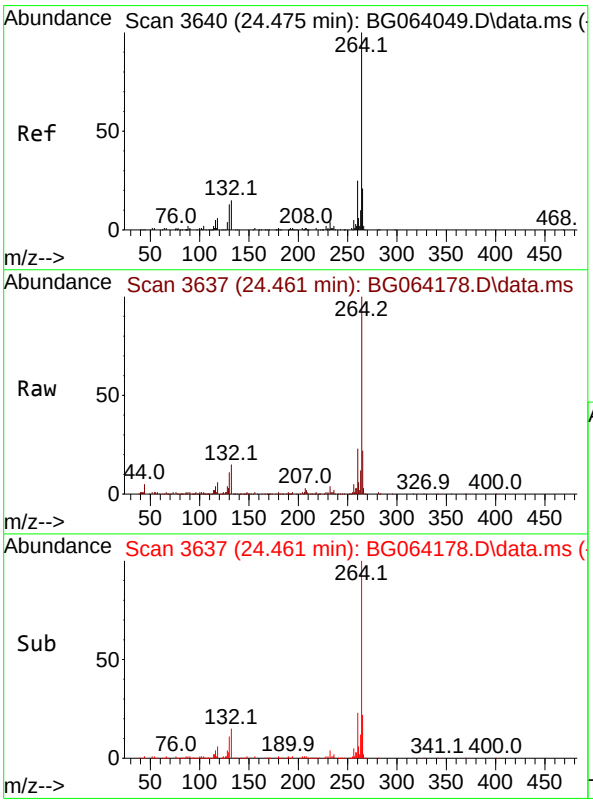
#79
Terphenyl-d14
Concen: 87.405 ng
RT: 19.842 min Scan# 2
Delta R.T. -0.008 min
Lab File: BG064178.D
Acq: 3 Apr 2025 22:40

Instrument :
BNA_G
ClientSampleId :
MW112010

Tgt Ion:244 Resp: 981941

Ion	Ratio	Lower	Upper
244	100		
212	8.0	6.2	9.4
122	9.3	8.0	12.0

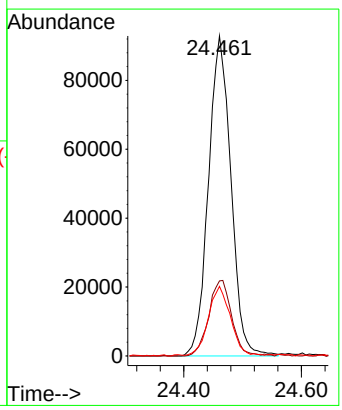




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.461 min Scan# 3637
Delta R.T. -0.014 min
Lab File: BG064178.D
Acq: 3 Apr 2025 22:40

Tgt Ion:264 Resp: 246565

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.6	29.4
265	21.7	16.6	25.0



Sample Results: **BG064178.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040325\
Data File : BG064178.D
Acq On : 3 Apr 2025 22:40
Operator : RC/JU
Sample : Q1690-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW112010

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG064178.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.989	315	323	330	rVB	1457623	2126725	72.86%	17.435%
2	6.053	497	504	513	rBV	22727	36568	1.25%	0.300%
3	7.856	805	811	817	rBV	109358	181978	6.23%	1.492%
4	9.008	998	1007	1017	rBV	359615	626098	21.45%	5.133%
5	10.647	1278	1286	1294	rVB	160629	289300	9.91%	2.372%
6	10.806	1306	1313	1321	rBV2	23208	44291	1.52%	0.363%
7	11.258	1385	1390	1400	rVB2	52017	92979	3.19%	0.762%
8	11.458	1418	1424	1432	rBV2	23071	37481	1.28%	0.307%
9	11.828	1479	1487	1491	rBV2	24665	44022	1.51%	0.361%
10	11.875	1491	1495	1498	rBV2	20496	31439	1.08%	0.258%
11	13.109	1697	1705	1712	rBV	1078960	1633718	55.97%	13.393%
12	14.325	1900	1912	1917	rBV	32612	61930	2.12%	0.508%
13	14.478	1933	1938	1945	rVB	295972	466994	16.00%	3.828%
14	14.590	1952	1957	1962	rBV	173275	232901	7.98%	1.909%
15	14.748	1978	1984	1987	rBV	36032	51313	1.76%	0.421%
16	14.784	1987	1990	1995	rVB	26371	36795	1.26%	0.302%
17	15.653	2131	2138	2142	rBV4	19397	31217	1.07%	0.256%
18	15.835	2164	2169	2176	rBV	114685	169523	5.81%	1.390%
19	16.793	2327	2332	2337	rBV2	23892	34290	1.17%	0.281%
20	16.969	2354	2362	2372	rBV	153503	231961	7.95%	1.902%
21	17.063	2374	2378	2380	rVV	60487	76663	2.63%	0.628%
22	17.087	2380	2382	2387	rVB	45220	56630	1.94%	0.464%
23	17.222	2399	2405	2411	rVB2	405177	593048	20.32%	4.862%
24	17.903	2515	2521	2527	rVB2	126477	157202	5.39%	1.289%
25	18.879	2682	2687	2691	rBV	74194	93399	3.20%	0.766%
26	18.938	2693	2697	2699	rBV2	36333	46189	1.58%	0.379%
27	19.073	2716	2720	2723	rVB4	33736	37397	1.28%	0.307%
28	19.208	2739	2743	2748	rVB	54384	65797	2.25%	0.539%
29	19.842	2844	2851	2859	rBV	2296791	2919013	100.00%	23.930%
30	21.129	3065	3070	3084	rBV	221777	336878	11.54%	2.762%
31	21.452	3119	3125	3132	rBV	404772	636816	21.82%	5.221%
32	24.461	3628	3637	3649	rBV	252249	679889	23.29%	5.574%
33	25.665	3837	3842	3843	rBV5	29166	37831	1.30%	0.310%

Sum of corrected areas: 12198275

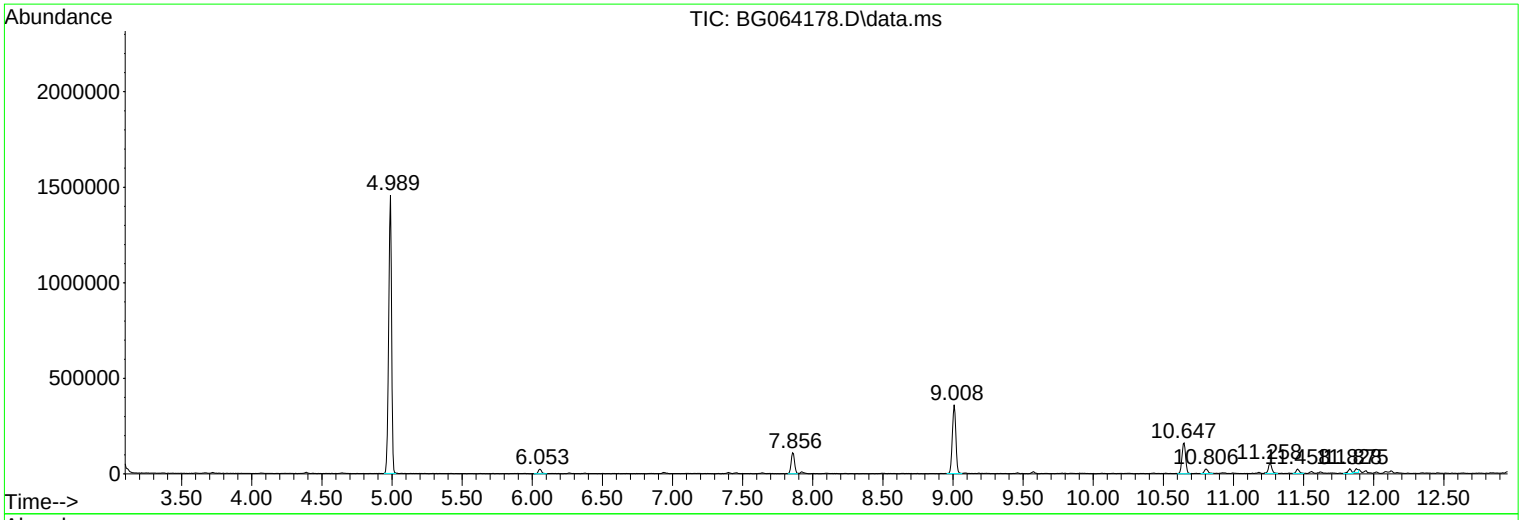
Sample Results: **BG064178.D**

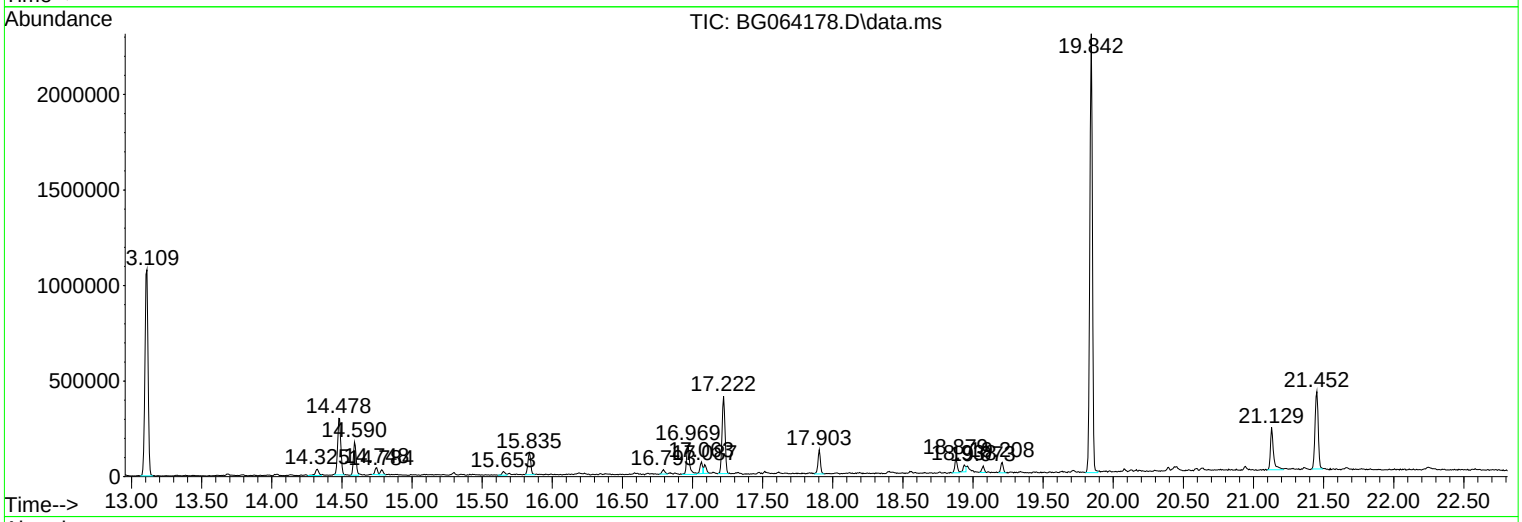
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040325\
Data File : BG064178.D
Acq On : 3 Apr 2025 22:40
Operator : RC/JU
Sample : Q1690-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

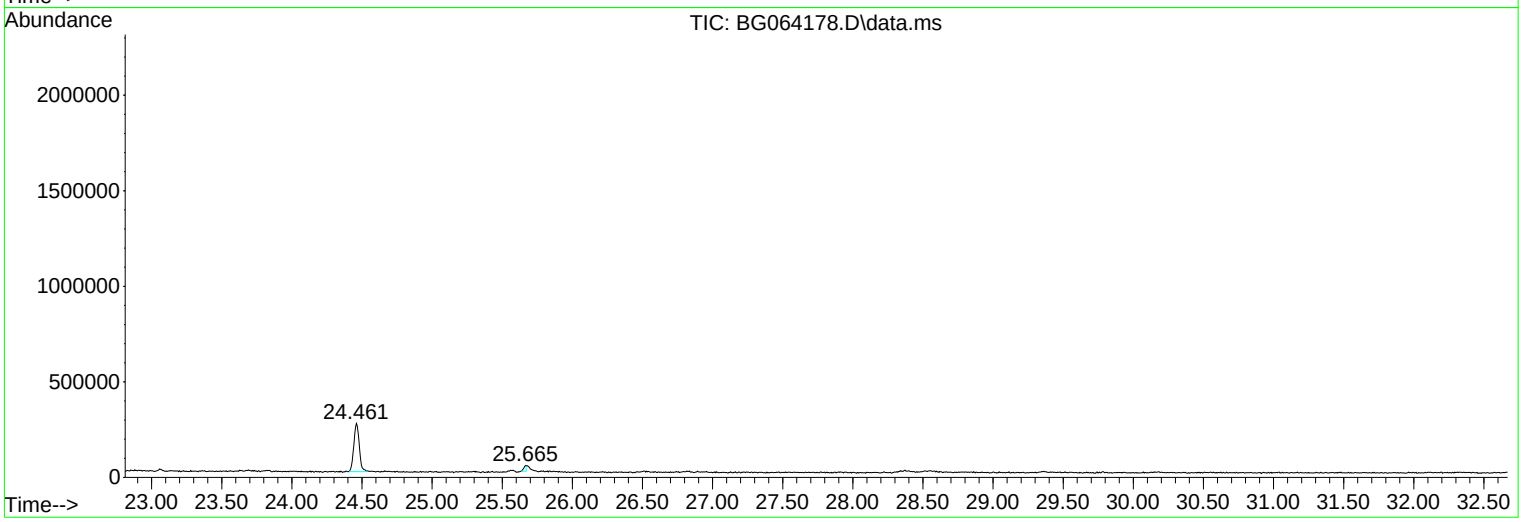
Instrument :
BNA_G
ClientSampleId :
MW112010

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.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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Sample : Q1690-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW112010

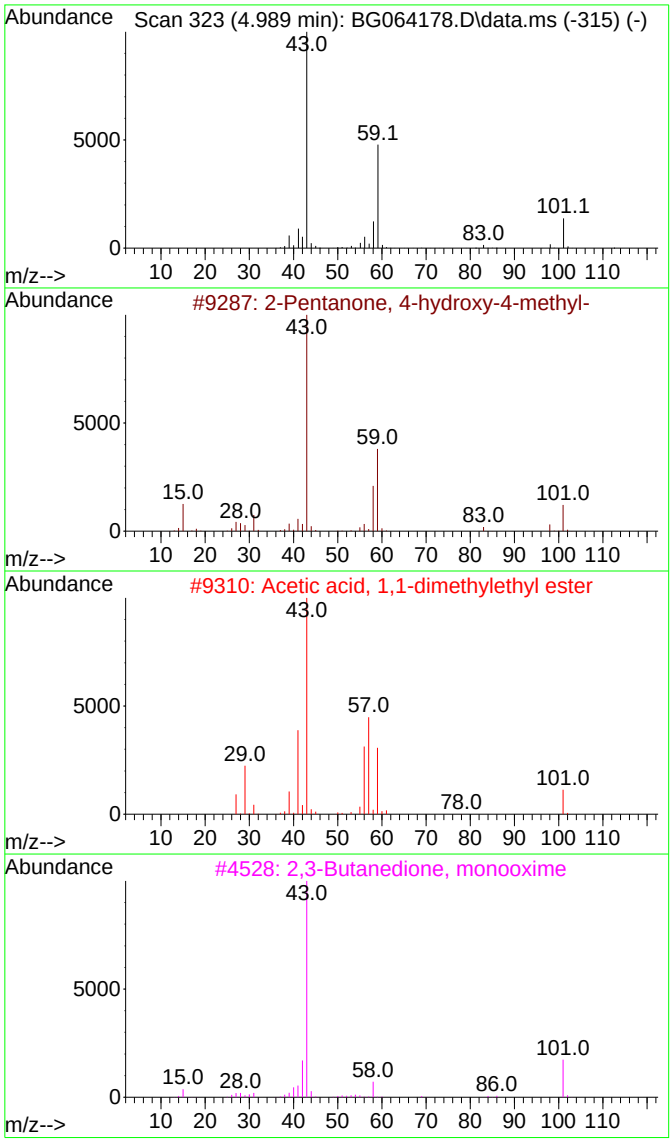
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

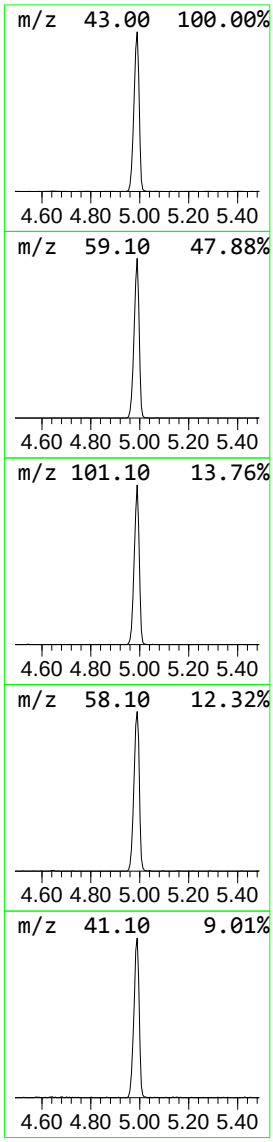
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.989	233.73 ng	2126730	1,4-Dichlorobenzene-d4	7.856

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	28
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	27
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12
5	Diacetamide	101	C4H7NO2	000625-77-4	9





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Operator : RC/JU
Sample : Q1690-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW112010

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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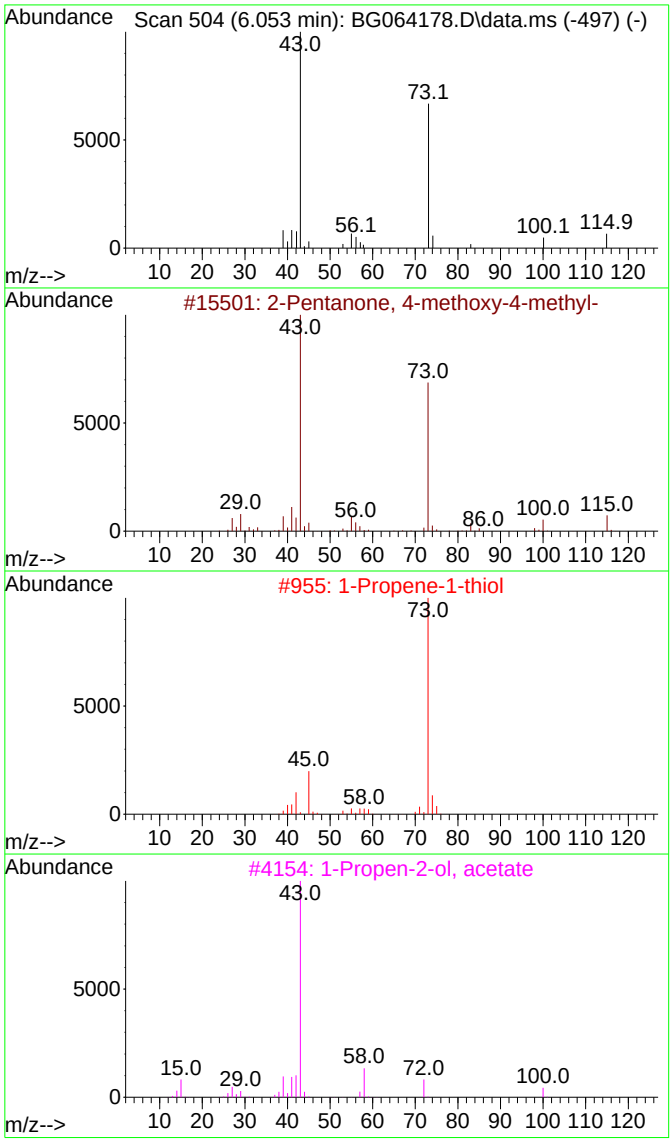
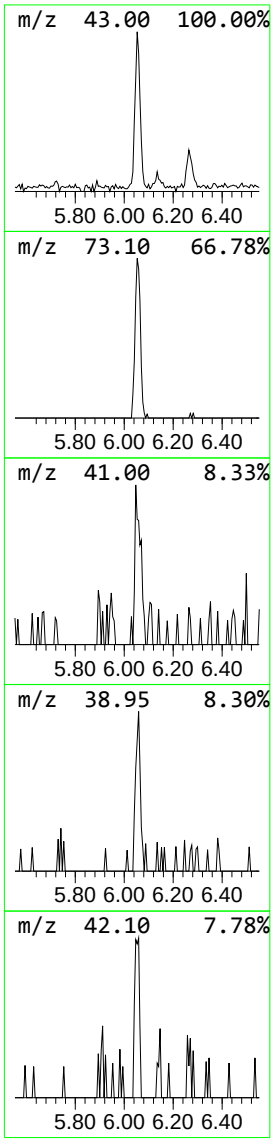
****
Peak Number 2 2-Pentanone, 4-methoxy-4-me... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.053	4.02 ng	36568	1,4-Dichlorobenzene-d4	7.856

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-methoxy-4-methyl-	130	C7H14O2	000107-70-0	72
2	1-Propene-1-thiol	74	C3H6S	000925-89-3	10
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	9
4	1-Methoxyethanimine, N-acetyl-	115	C5H9NO2	099028-43-0	7
5	N-Formylmorpholine	115	C5H9NO2	004394-85-8	7





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Acq On : 3 Apr 2025 22:40
Operator : RC/JU
Sample : Q1690-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW112010

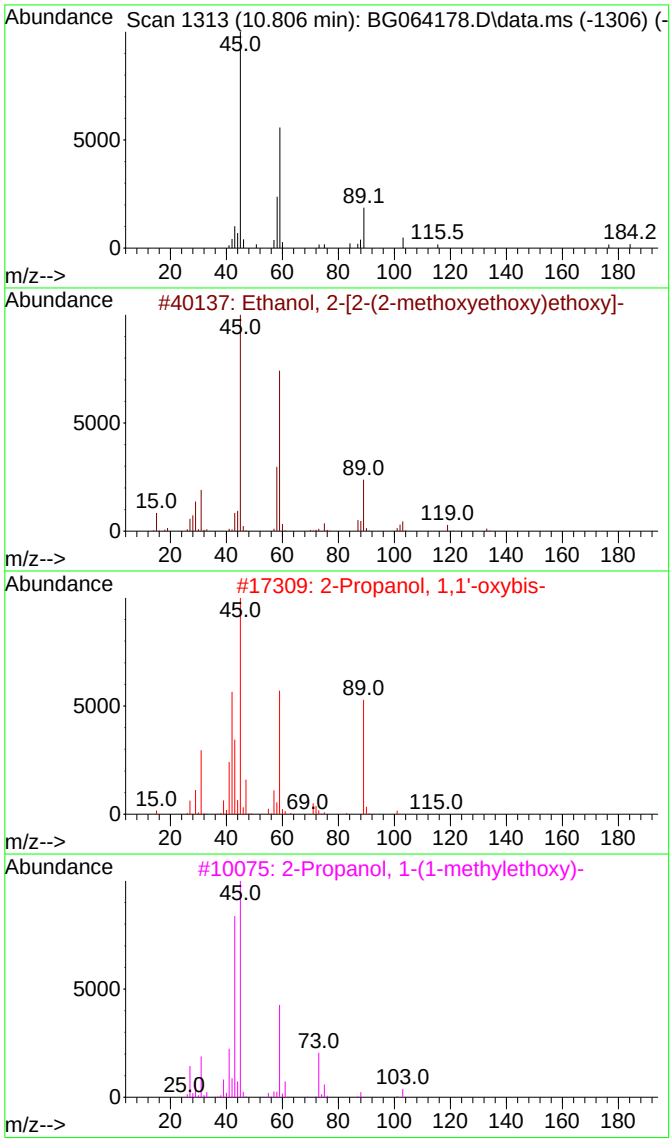
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

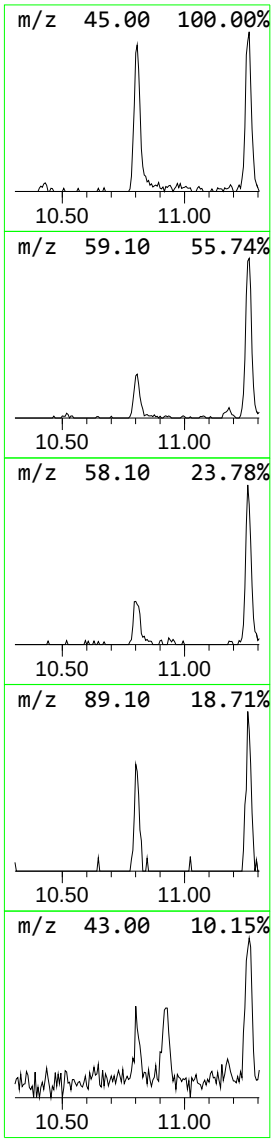
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Ethanol, 2-[2-(2-methoxyeth... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.806	3.06 ng	44291	Naphthalene-d8	10.647

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-[2-(2-methoxyethoxy)e...	164	C7H16O4	000112-35-6	74
2	2-Propanol, 1,1'-oxybis-	134	C6H14O3	000110-98-5	59
3	2-Propanol, 1-(1-methylethoxy)-	118	C6H14O2	003944-36-3	59
4	Ethanol, 2-(2-methoxyethoxy)-	120	C5H12O3	000111-77-3	56
5	Tetraethyleneglycol monomethylether	208	C9H20O5	023783-42-8	53





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Sample : Q1690-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW112010

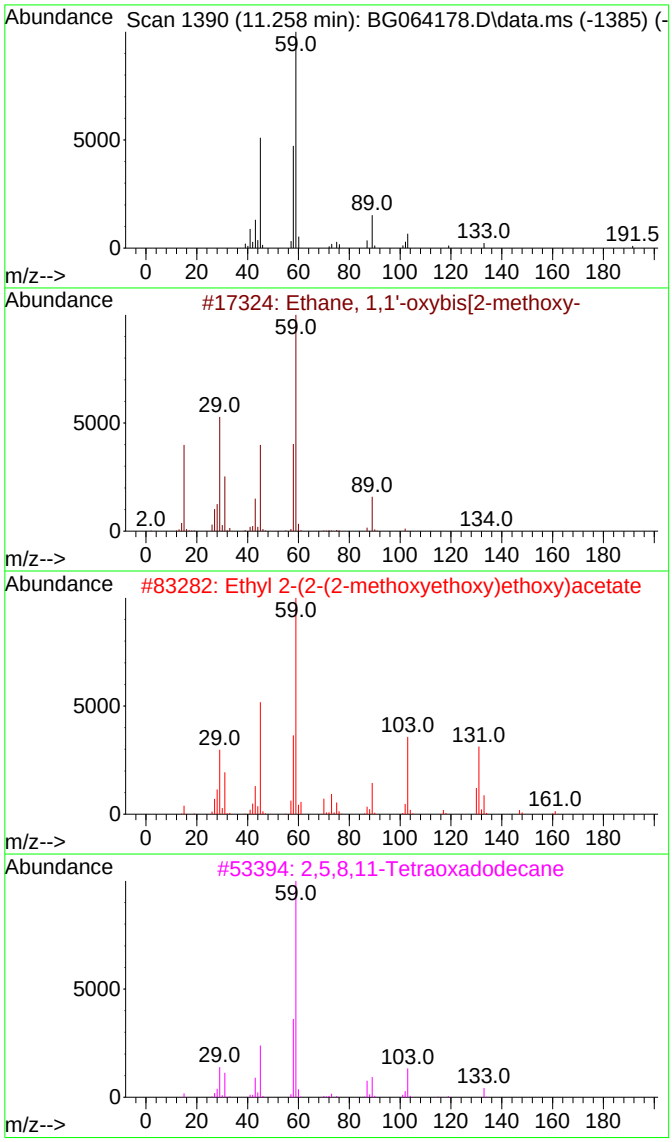
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

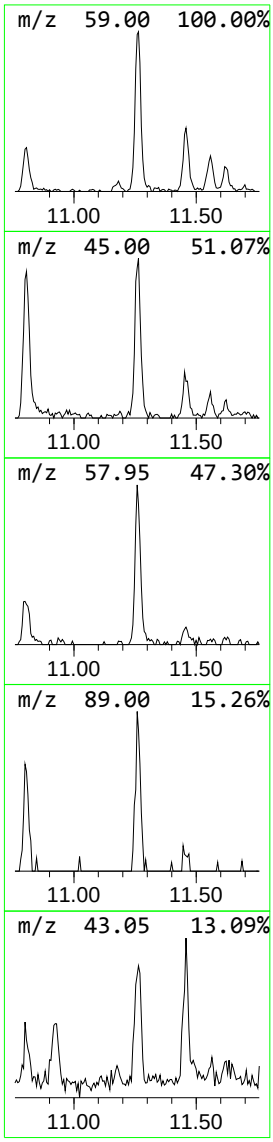
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Ethane, 1,1'-oxybis[2-methoxy- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.258	6.43 ng	92979	Naphthalene-d8	10.647

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethane, 1,1'-oxybis[2-methoxy-	134	C6H14O3	000111-96-6	78
2	Ethyl 2-(2-(2-methoxyethoxy)etho...	206	C9H18O5	1000366-89-0	74
3	2,5,8,11-Tetraoxadodecane	178	C8H18O4	000112-49-2	64
4	1-Propanol, 3,3'-oxybis-	134	C6H14O3	002396-61-4	50
5	Ethanol, 2-ethoxy-	90	C4H10O2	000110-80-5	50





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Sample : Q1690-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW112010

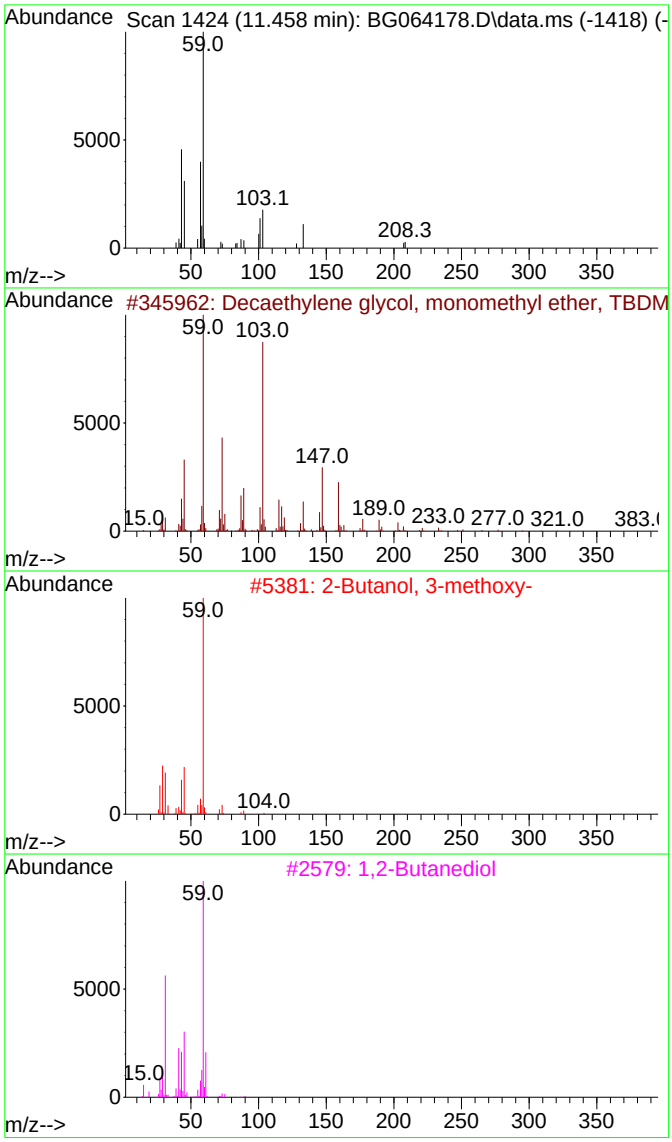
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

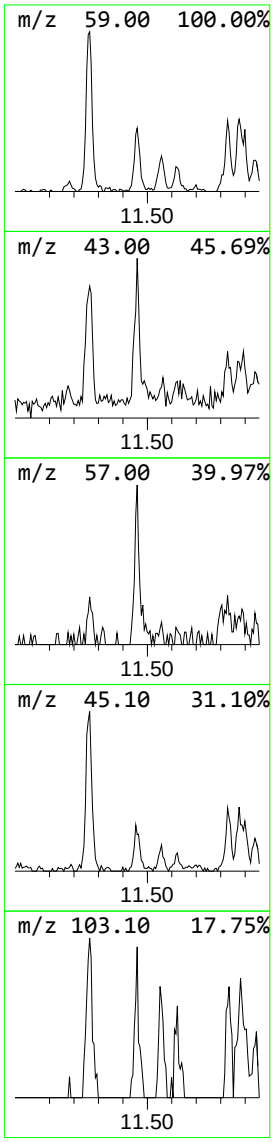
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Decaethylene glycol, monome... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.458	2.59 ng	37481	Naphthalene-d8	10.647

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decaethylene glycol, monomethyl ...	586	C27H58O11Si	1000352-12-0	50
2	2-Butanol, 3-methoxy-	104	C5H12O2	053778-72-6	40
3	1,2-Butanediol	90	C4H10O2	000584-03-2	40
4	2-Hexanone, 3-hydroxy-3,5-dimethyl-	144	C8H16O2	006321-14-8	40
5	Carbonic acid, 2-methoxyethyl 3,...	232	C10H10F2O4	1000357-86-6	39





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Operator : RC/JU
Sample : Q1690-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW112010

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

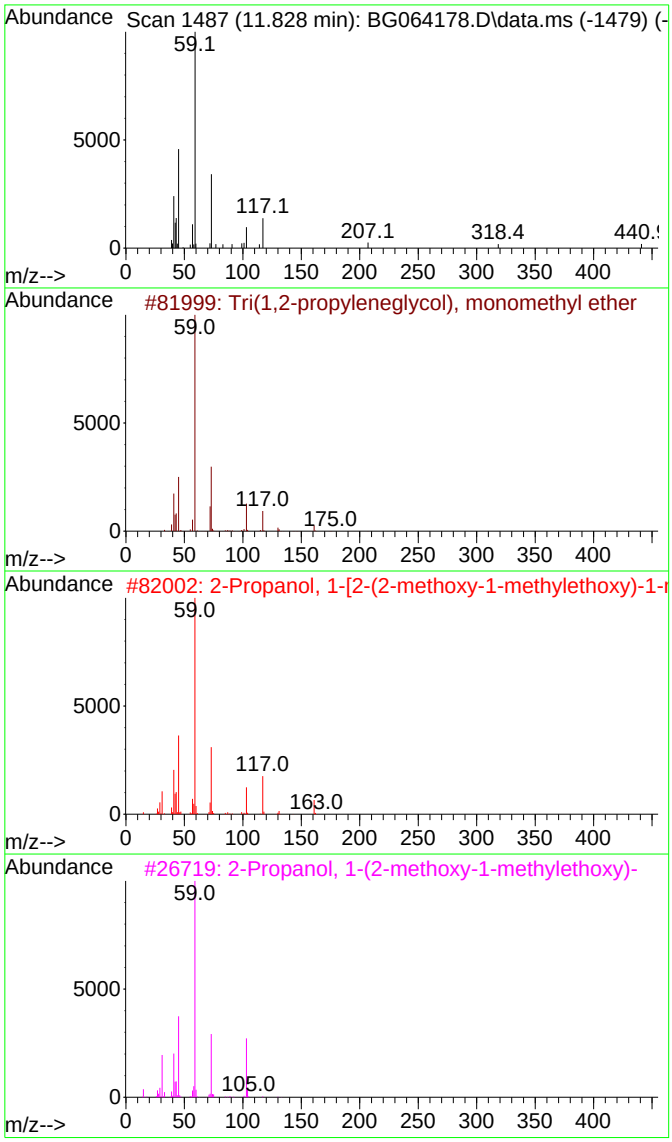
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

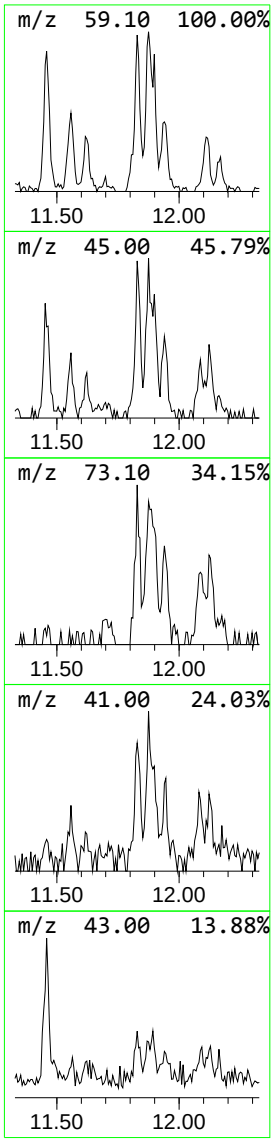
****

Peak Number 6 Tri(1,2-propyleneglycol), m... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.828	3.04 ng	44022	Naphthalene-d8	10.647

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tri(1,2-propyleneglycol), monome...	206	C10H22O4	1000262-26-6	83
2	2-Propanol, 1-[2-(2-methoxy-1-me...	206	C10H22O4	020324-33-8	74
3	2-Propanol, 1-(2-methoxy-1-methy...	148	C7H16O3	020324-32-7	56
4	2-Propanol, 1-[1-methyl-2-(2-pro...	174	C9H18O3	055956-25-7	42
5	Butanamide, 3-methyl-	101	C5H11NO	000541-46-8	32





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Sample : Q1690-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW112010

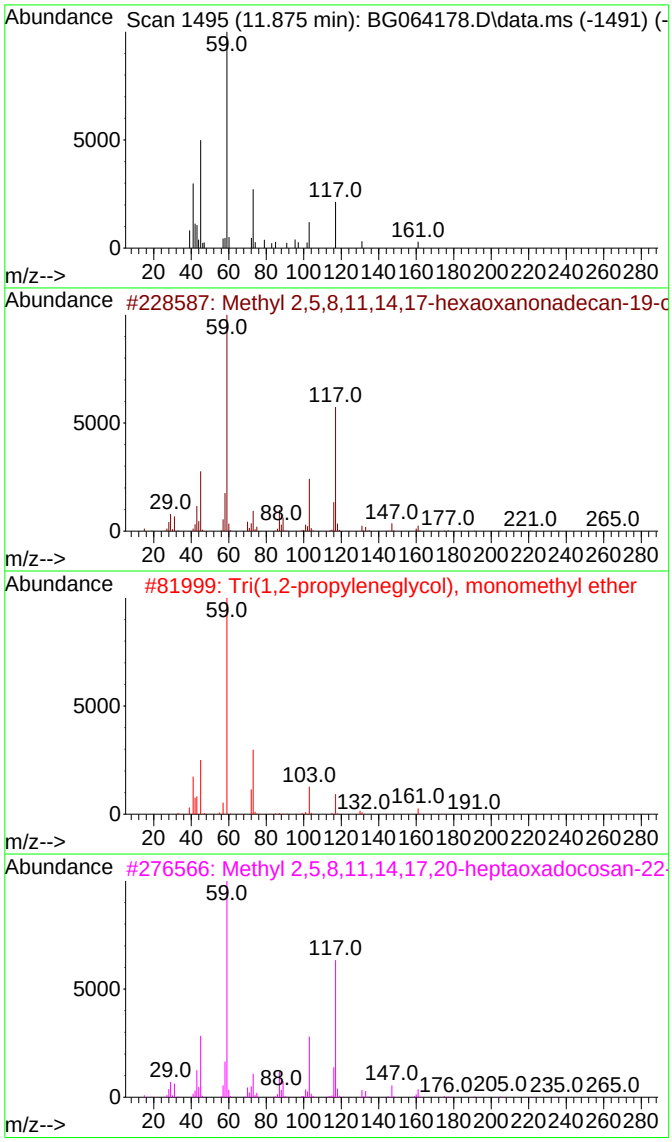
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

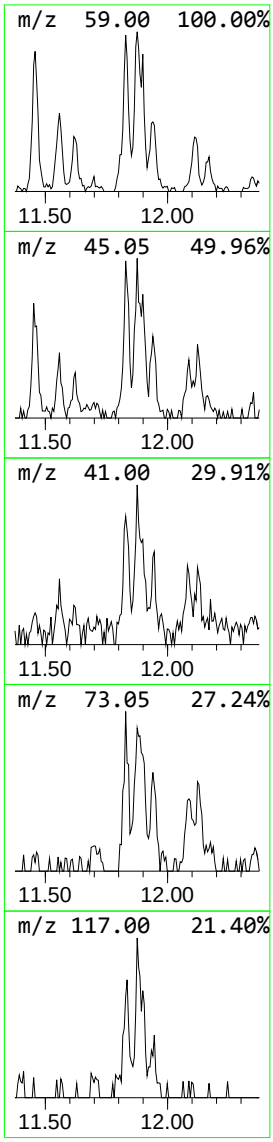
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Methyl 2,5,8,11,14,17-hexao... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.875	2.17 ng	31439	Naphthalene-d8	10.647

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl 2,5,8,11,14,17-hexaoxanon...	324	C14H28O8	1000366-81-4	72
2	Tri(1,2-propyleneglycol), monome...	206	C10H22O4	1000262-26-6	72
3	Methyl 2,5,8,11,14,17,20-heptaox...	368	C16H32O9	1010366-81-3	72
4	Ethane, 1-ethoxy-1-methoxy-	104	C5H12O2	010471-14-4	59
5	2-Propanol, 1-[2-(2-methoxy-1-me...	206	C10H22O4	020324-33-8	56





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ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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TIC Library : C:\Database\NIST20.L
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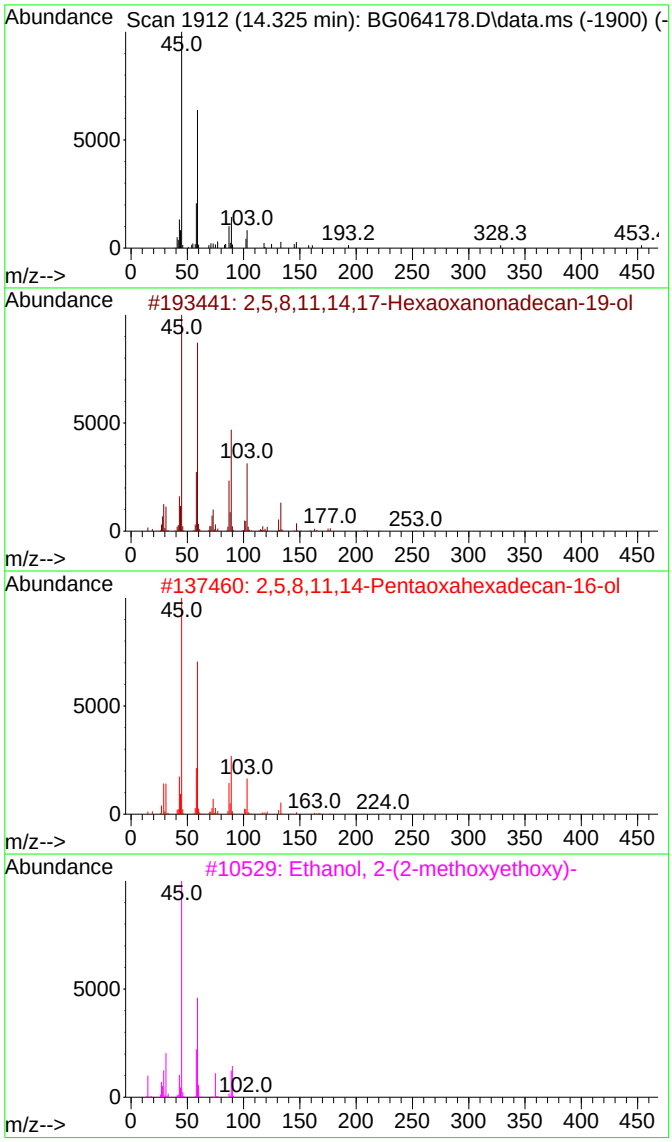
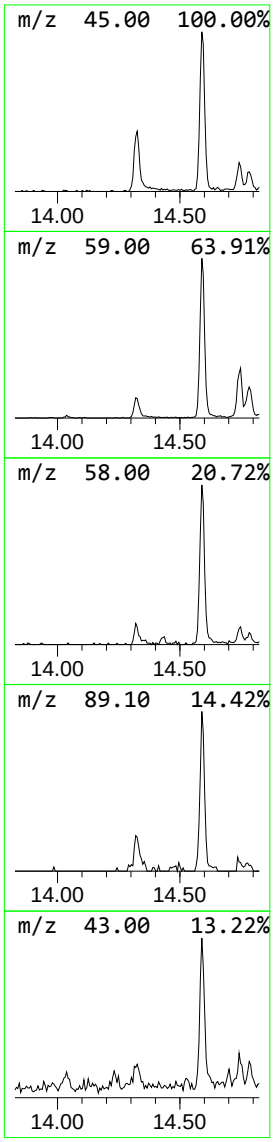
****

Peak Number 8 2,5,8,11,14,17-Hexaoxanonad... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.325	2.65 ng	61930	Acenaphthene-d10	14.484

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,5,8,11,14,17-Hexaoxanonadecan-...	296	C13H28O7	023601-40-3	50
2	2,5,8,11,14-Pentaoxahexadecan-16-ol	252	C11H24O6	023778-52-1	40
3	Ethanol, 2-(2-methoxyethoxy)-	120	C5H12O3	000111-77-3	40
4	2-(2-(2-(2-Methoxyethoxy)etho...	266	C11H22O7	016024-66-1	40
5	Ethene, (2-methoxyethoxy)-	102	C5H10O2	001663-35-0	38





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Sample : Q1690-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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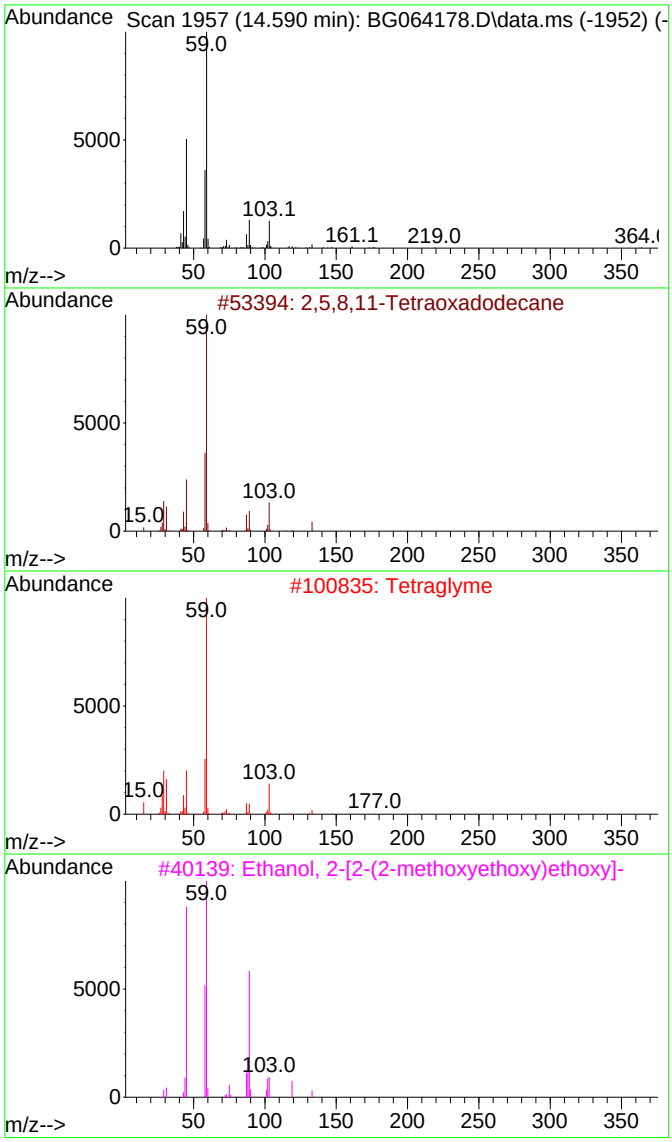
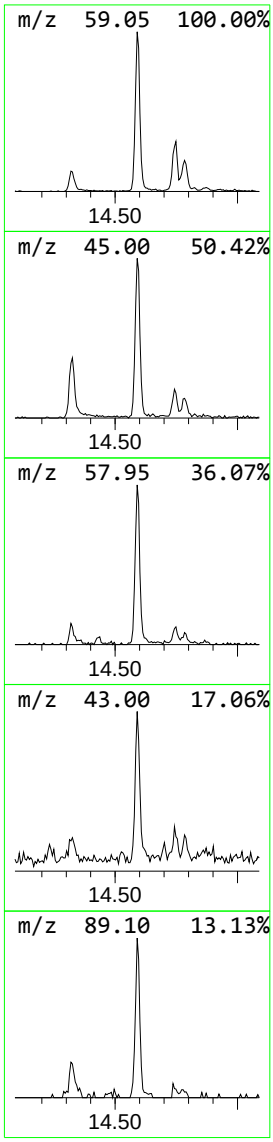
****

Peak Number 9 2,5,8,11-Tetraoxadodecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.590	9.97 ng	232901	Acenaphthene-d10	14.484

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,5,8,11-Tetraoxadodecane	178	C8H18O4	000112-49-2	72
2	Tetraglyme	222	C10H22O5	000143-24-8	64
3	Ethanol, 2-[2-(2-methoxyethoxy)e...	164	C7H16O4	000112-35-6	64
4	Hexaethylene glycol dimethyl ether	310	C14H30O7	001072-40-8	64
5	2-Butanol, 1-methoxy-	104	C5H12O2	053778-73-7	64





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TIC Library : C:\Database\NIST20.L
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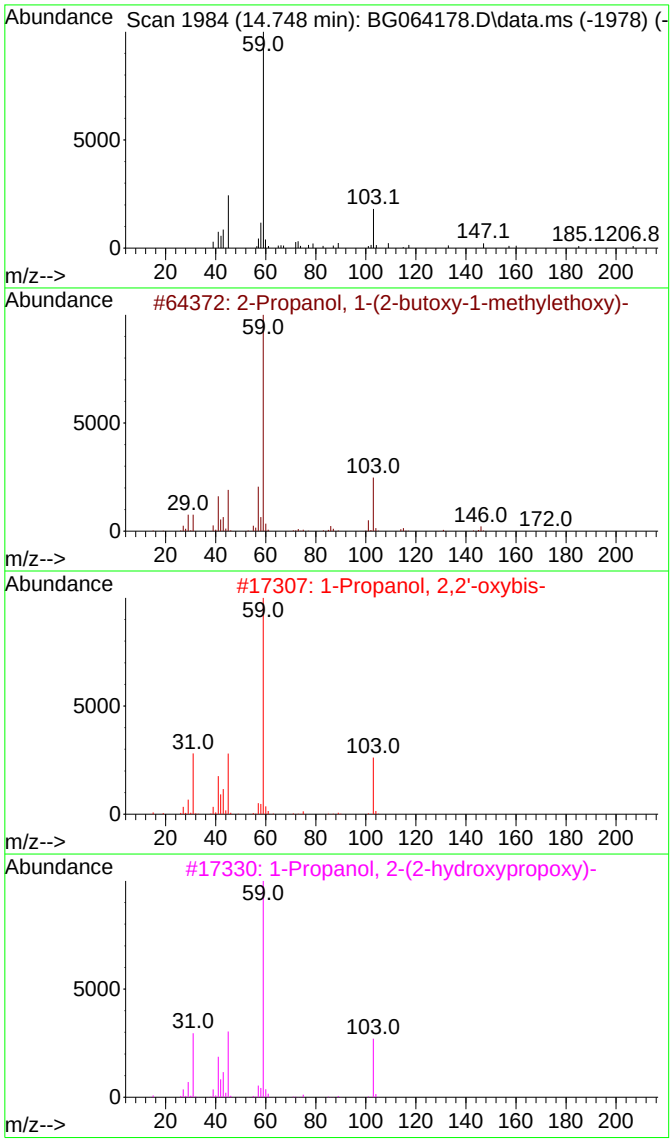
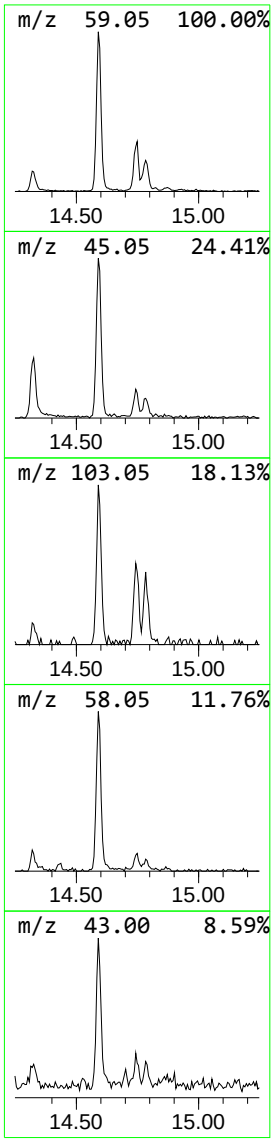
****

Peak Number 10 2-Propanol, 1-(2-butoxy-1-m... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.748	2.20 ng	51313	Acenaphthene-d10	14.484

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-(2-butoxy-1-methyl...	190	C10H22O3	029911-28-2	78
2	1-Propanol, 2,2'-oxybis-	134	C6H14O3	000108-61-2	72
3	1-Propanol, 2-(2-hydroxypropoxy)-	134	C6H14O3	000106-62-7	72
4	Methane, diethoxy-	104	C5H12O2	000462-95-3	72
5	Propane, 1,2-dimethoxy-	104	C5H12O2	007778-85-0	72





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ALS Vial : 16 Sample Multiplier: 1

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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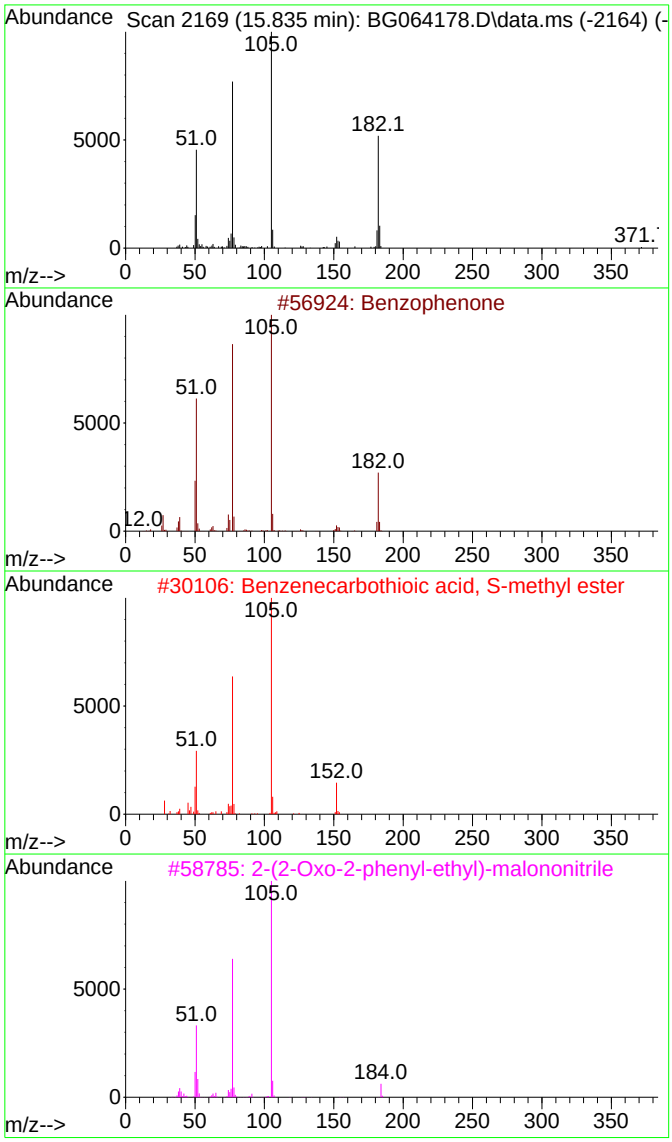
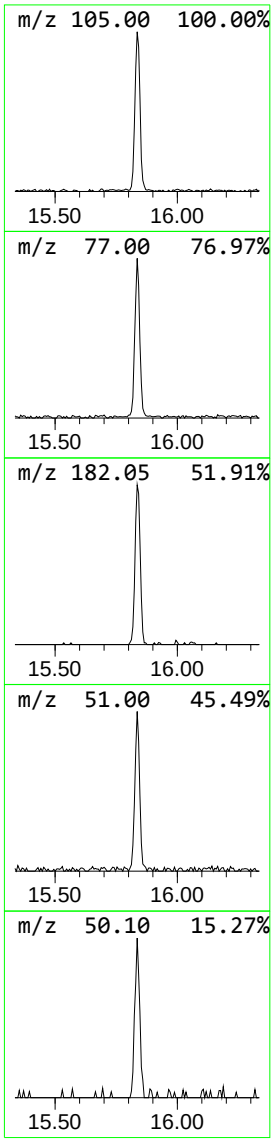
****

Peak Number 11 Benzophenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.835	7.26 ng	169523	Acenaphthene-d10	14.484

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	97
2	Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	76
3	2-(2-Oxo-2-phenyl-ethyl)-malonon...	184	C11H8N2O	1000296-76-9	70
4	Phenyl 4-pyridyl ketone	183	C12H9NO	014548-46-0	68
5	Benzenepropanenitrile, .beta.-oxo-	145	C9H7NO	000614-16-4	58





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040325\
Data File : BG064178.D
Acq On : 3 Apr 2025 22:40
Operator : RC/JU
Sample : Q1690-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW112010

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

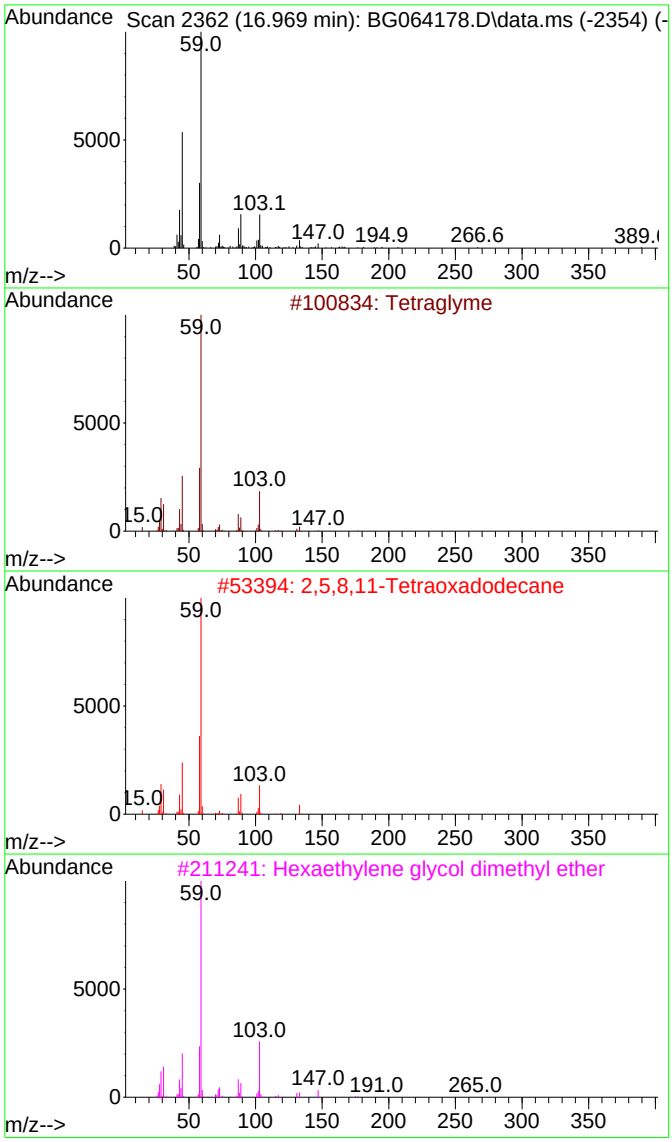
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

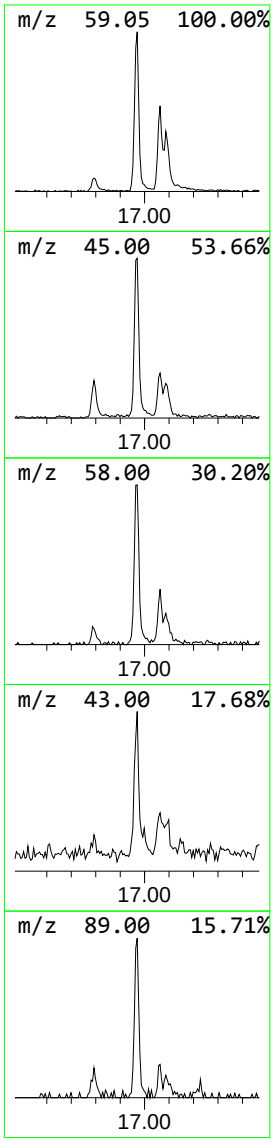
****

Peak Number 12 Tetraglyme Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.969	7.82 ng	231961	Phenanthrene-d10	17.222

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetraglyme	222	C10H22O5	000143-24-8	72
2	2,5,8,11-Tetraoxadodecane	178	C8H18O4	000112-49-2	72
3	Hexaethylene glycol dimethyl ether	310	C14H30O7	001072-40-8	64
4	Ethanol, 2-ethoxy-	90	C4H10O2	000110-80-5	50
5	2-Butanol, 1-methoxy-	104	C5H12O2	053778-73-7	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040325\
Data File : BG064178.D
Acq On : 3 Apr 2025 22:40
Operator : RC/JU
Sample : Q1690-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW112010

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

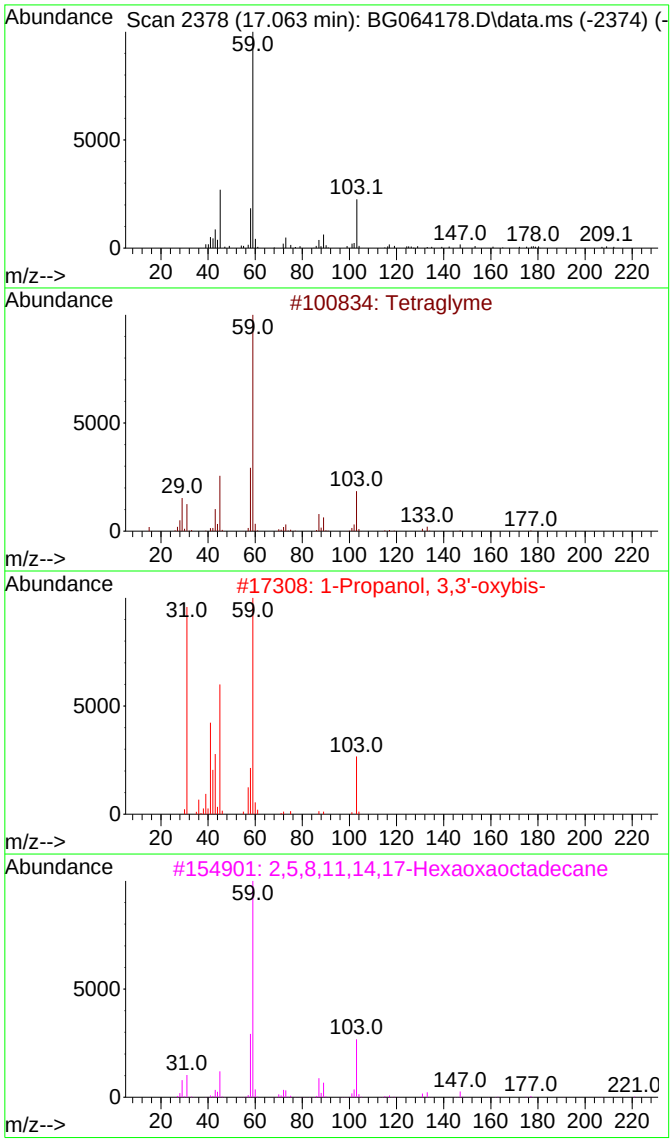
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

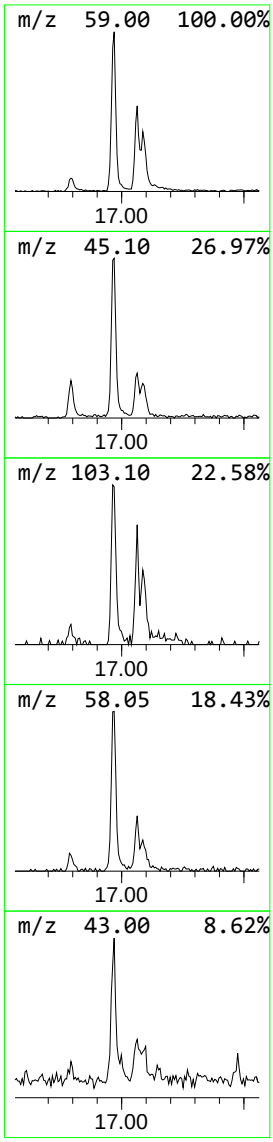
****

Peak Number 13 1-Propanol, 3,3'-oxybis- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.063	2.59 ng	76663	Phenanthrene-d10	17.222

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetraglyme	222	C10H22O5	000143-24-8	72
2	1-Propanol, 3,3'-oxybis-	134	C6H14O3	002396-61-4	64
3	2,5,8,11,14,17-Hexaoxaoctadecane	266	C12H26O6	001191-87-3	64
4	2-Propanol, 1-(2-methoxy-1-methy...	148	C7H16O3	020324-32-7	64
5	Bis(2-methoxyethoxy)methane	164	C7H16O4	004431-83-8	59





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040325\
Data File : BG064178.D
Acq On : 3 Apr 2025 22:40
Operator : RC/JU
Sample : Q1690-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW112010

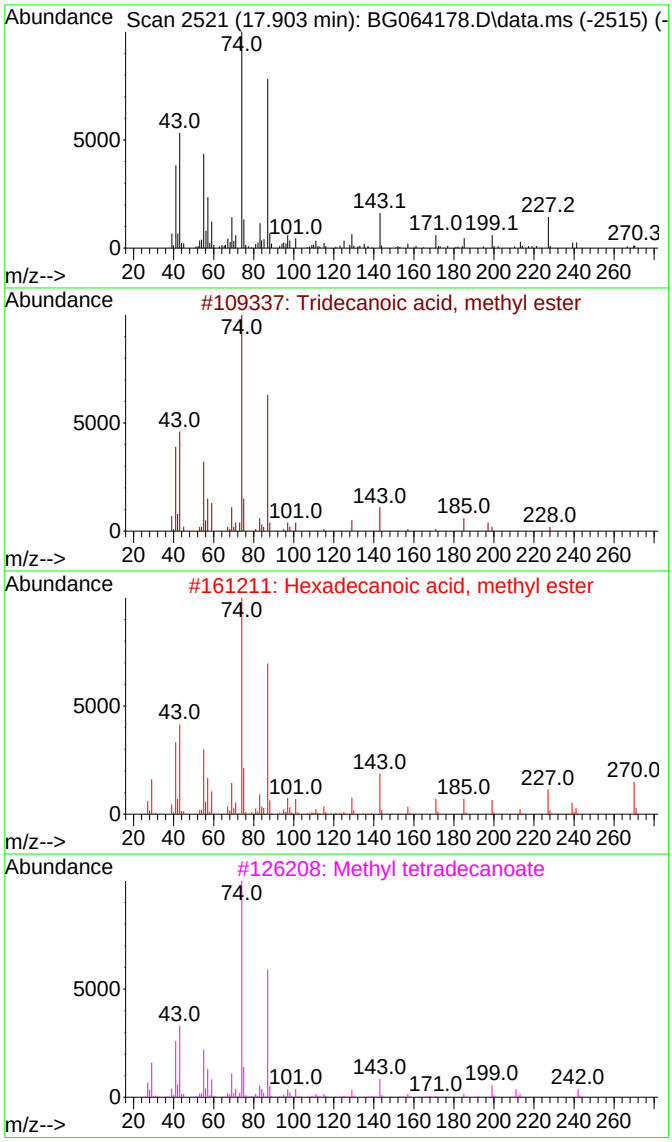
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

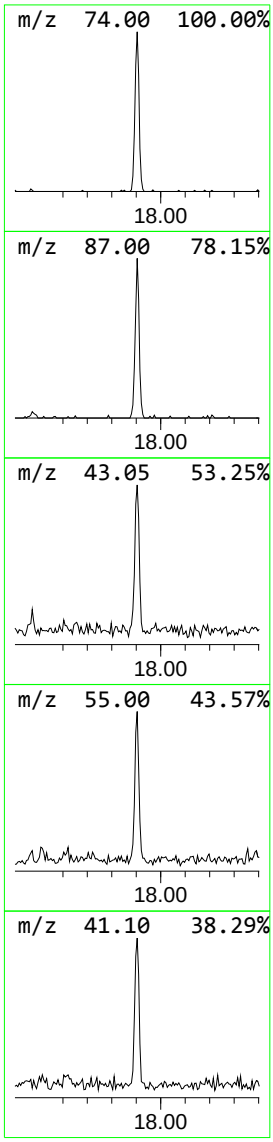
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Tridecanoic acid, methyl ester Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.904	5.30 ng	157202	Phenanthrene-d10	17.222

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	93
2	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	90
3	Methyl tetradecanoate	242	C15H30O2	000124-10-7	86
4	Dodecanoic acid, methyl ester	214	C13H26O2	000111-82-0	86
5	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	78





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040325\
Data File : BG064178.D
Acq On : 3 Apr 2025 22:40
Operator : RC/JU
Sample : Q1690-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW112010

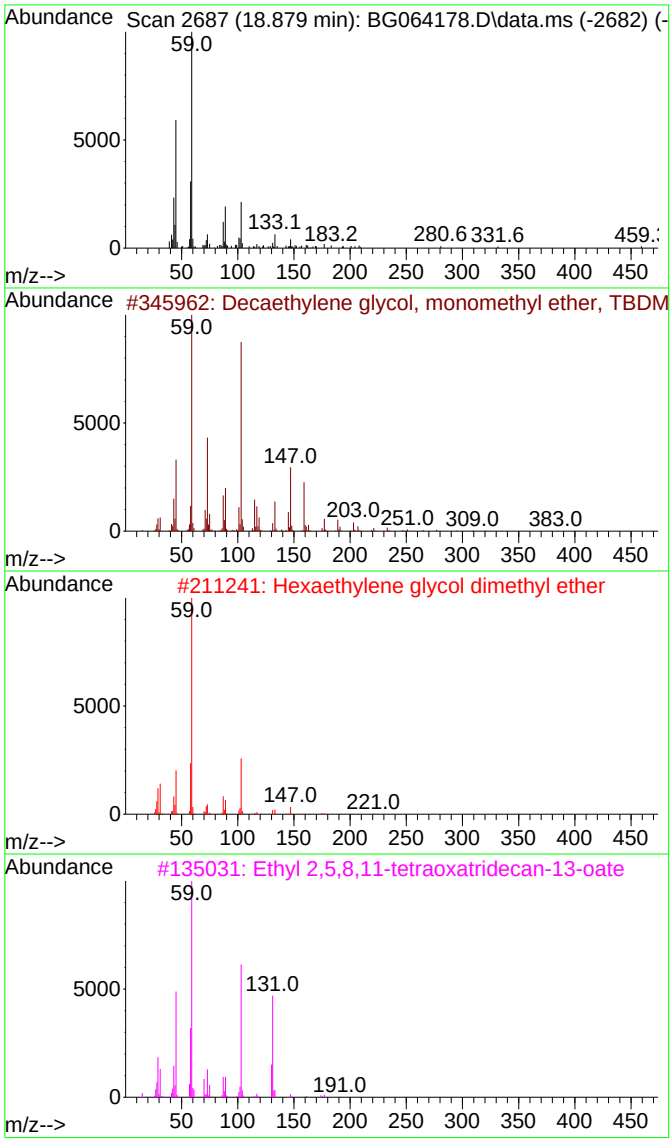
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

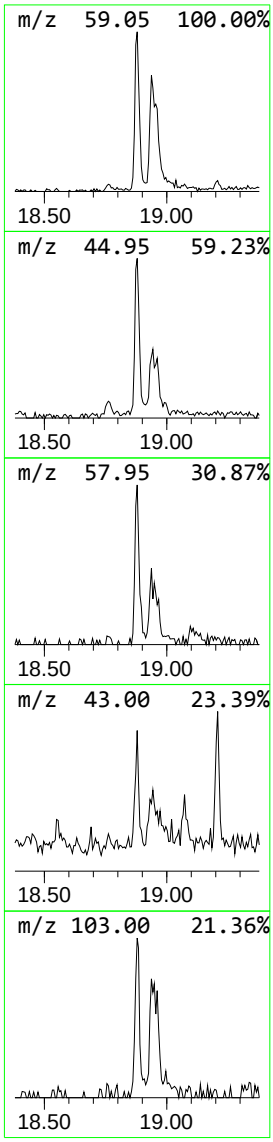
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Hexaethylene glycol dimethy... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.879	3.15 ng	93399	Phenanthrene-d10	17.222

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decaethylene glycol, monomethyl ...	586	C27H58O11Si	1000352-12-0	64
2	Hexaethylene glycol dimethyl ether	310	C14H30O7	001072-40-8	64
3	Ethyl 2,5,8,11-tetraoxatridecan-...	250	C11H22O6	1000366-77-9	64
4	Methyl 2,5,8,11,14-pentaoxahexad...	280	C12H24O7	1000366-81-5	59
5	2,5,8,11,14,17-Hexaoxaoctadecane	266	C12H26O6	001191-87-3	59





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040325\
Data File : BG064178.D
Acq On : 3 Apr 2025 22:40
Operator : RC/JU
Sample : Q1690-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW112010

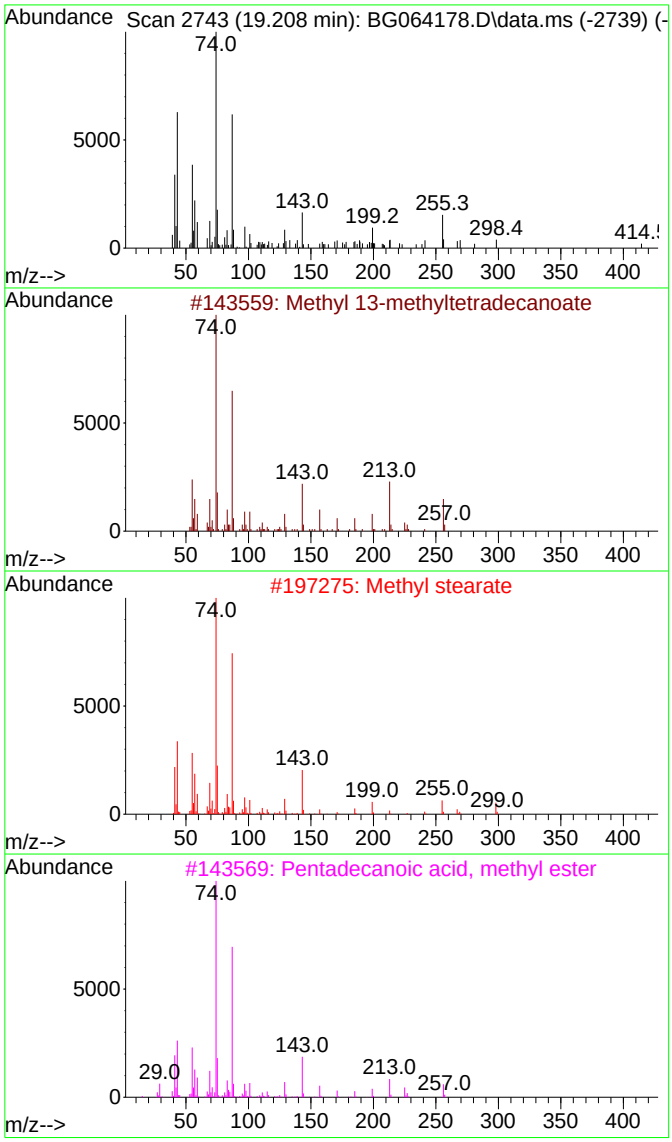
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

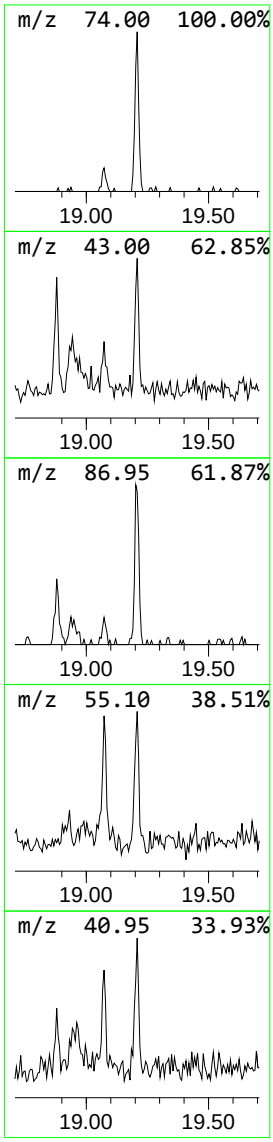
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Methyl 13-methyltetradecanoate Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.208	2.22 ng	65797	Phenanthrene-d10	17.222

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl 13-methyltetradecanoate	256	C16H32O2	1000424-50-7	93
2	Methyl stearate	298	C19H38O2	000112-61-8	93
3	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	90
4	Heptadecanoic acid, 15-methyl-, ...	298	C19H38O2	054833-55-5	83
5	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	80





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040325\
Data File : BG064178.D
Acq On : 3 Apr 2025 22:40
Operator : RC/JU
Sample : Q1690-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW112010

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

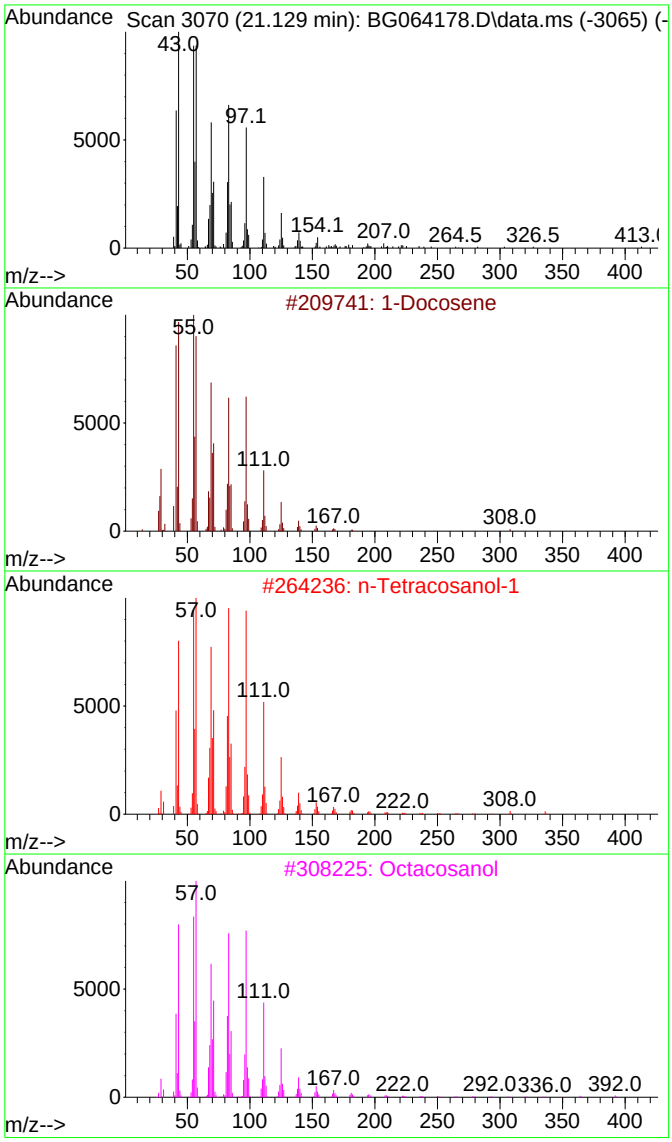
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

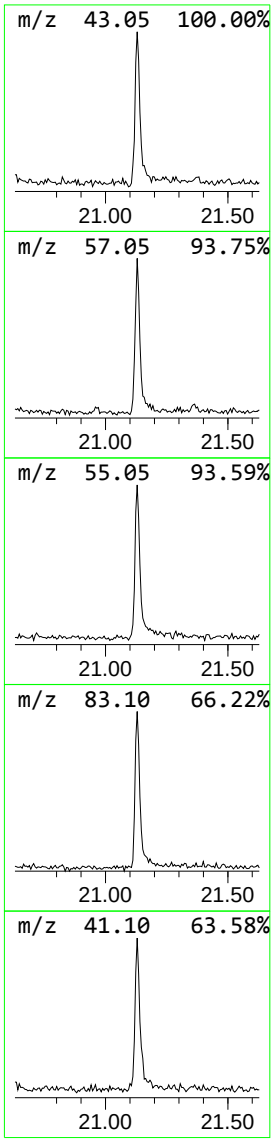
****

Peak Number 17 1-Docosene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.129	10.58 ng	336878	Chrysene-d12	21.452

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Docosene	308	C22H44	001599-67-3	91
2	n-Tetracosanol-1	354	C24H50O	000506-51-4	91
3	Octacosanol	410	C28H58O	000557-61-9	91
4	1-Heneicosanol	312	C21H44O	015594-90-8	91
5	1-Octadecanol	270	C18H38O	000112-92-5	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040325\
Data File : BG064178.D
Acq On : 3 Apr 2025 22:40
Operator : RC/JU
Sample : Q1690-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW112010

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.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-...	4.989	233.7	ng	2126730	1	7.856	181978	20.0
2-Pentanone, 4-...	6.053	4.0	ng	36568	1	7.856	181978	20.0
Ethanol, 2-[2-(...	10.806	3.1	ng	44291	2	10.647	289300	20.0
Ethane, 1,1'-ox...	11.258	6.4	ng	92979	2	10.647	289300	20.0
Decaethylene gl...	11.458	2.6	ng	37481	2	10.647	289300	20.0
Tri(1,2-propyle...	11.828	3.0	ng	44022	2	10.647	289300	20.0
Methyl 2,5,8,11...	11.875	2.2	ng	31439	2	10.647	289300	20.0
2,5,8,11,14,17-...	14.325	2.6	ng	61930	3	14.484	466994	20.0
2,5,8,11-Tetrao...	14.590	10.0	ng	232901	3	14.484	466994	20.0
2-Propanol, 1-(...	14.748	2.2	ng	51313	3	14.484	466994	20.0
Benzophenone	15.835	7.3	ng	169523	3	14.484	466994	20.0
Tetraglyme	16.969	7.8	ng	231961	4	17.222	593048	20.0
1-Propanol, 3,3...	17.063	2.6	ng	76663	4	17.222	593048	20.0
Tridecanoic aci...	17.904	5.3	ng	157202	4	17.222	593048	20.0
Hexaethylene gl...	18.879	3.1	ng	93399	4	17.222	593048	20.0
Methyl 13-methy...	19.208	2.2	ng	65797	4	17.222	593048	20.0
1-Docosene	21.129	10.6	ng	336878	5	21.452	636816	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040325\
Data File : BG064174.D
Acq On : 3 Apr 2025 19:58
Operator : RC/JU
Sample : PB167451BL
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB167451BL

Quant Time: Apr 04 01:46:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

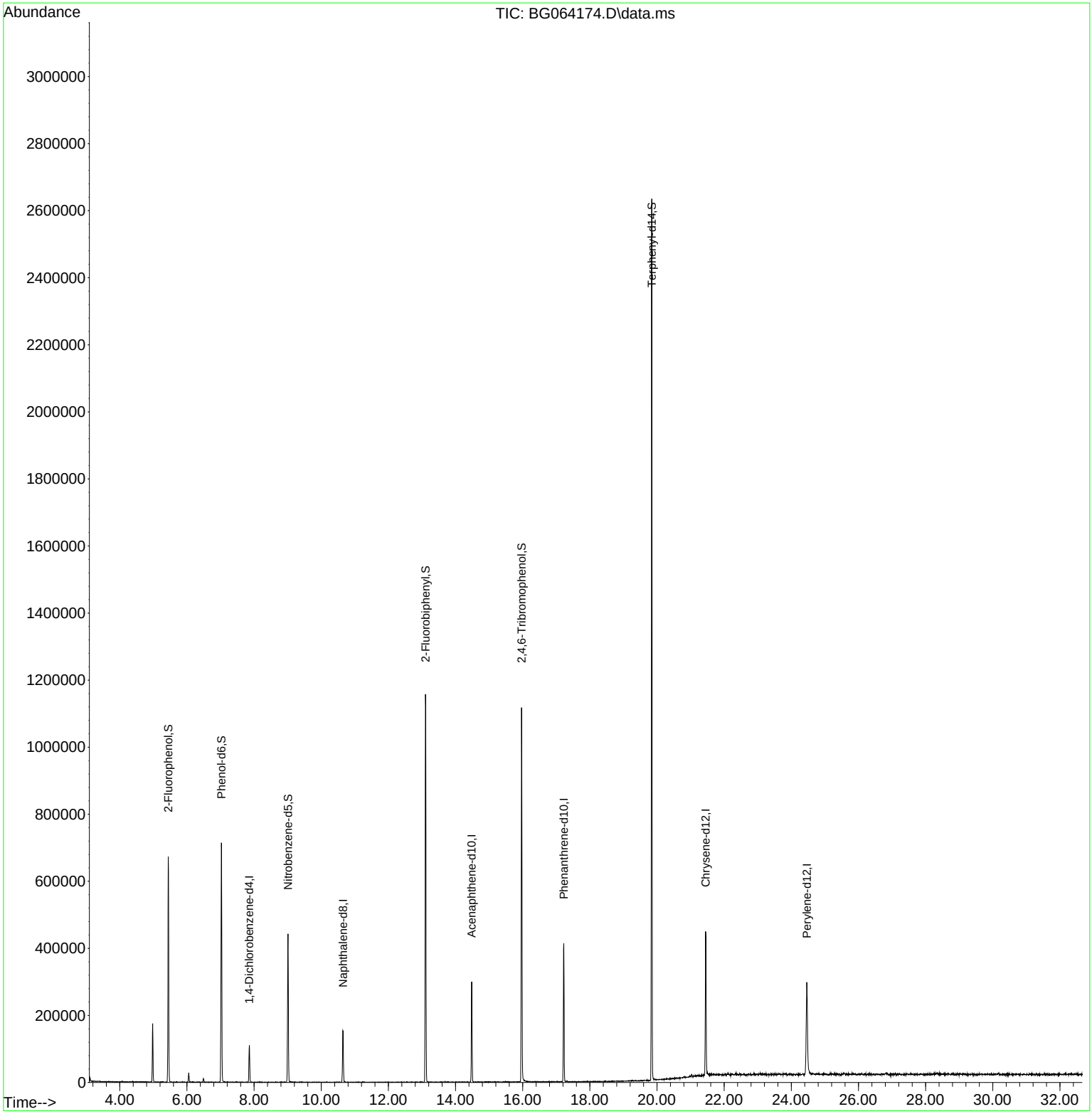
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.853	152	27407	20.000	ng	#-0.01
21) Naphthalene-d8	10.650	136	121488	20.000	ng	0.00
39) Acenaphthene-d10	14.481	164	99612	20.000	ng	0.00
64) Phenanthrene-d10	17.225	188	240876	20.000	ng	0.00
76) Chrysene-d12	21.449	240	250147	20.000	ng	-0.01
86) Perylene-d12	24.463	264	267703	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.444	112	245391	139.805	ng	0.00
7) Phenol-d6	7.025	99	334749	140.191	ng	0.00
23) Nitrobenzene-d5	9.011	82	226433	102.999	ng	0.00
42) 2,4,6-Tribromophenol	15.967	330	185996	167.979	ng	0.00
45) 2-Fluorobiphenyl	13.112	172	565811	86.218	ng	0.00
79) Terphenyl-d14	19.845	244	1165740	94.229	ng	0.00
Target Compounds						Qvalue

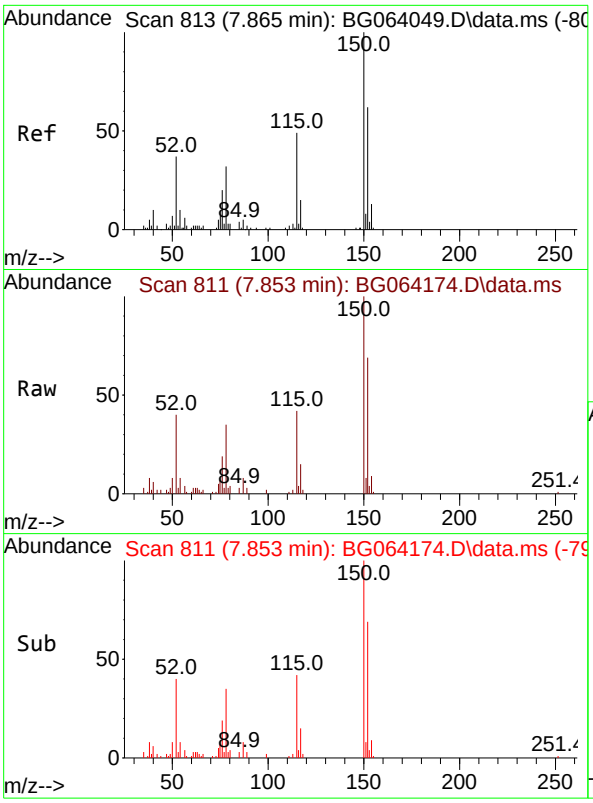
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040325\
Data File : BG064174.D
Acq On : 3 Apr 2025 19:58
Operator : RC/JU
Sample : PB167451BL
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB167451BL

Quant Time: Apr 04 01:46:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration



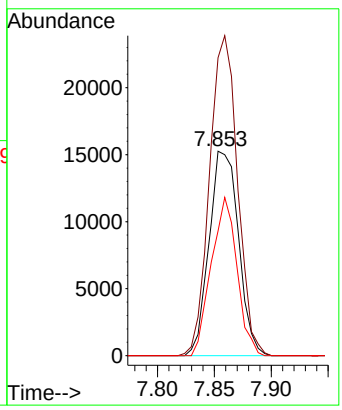


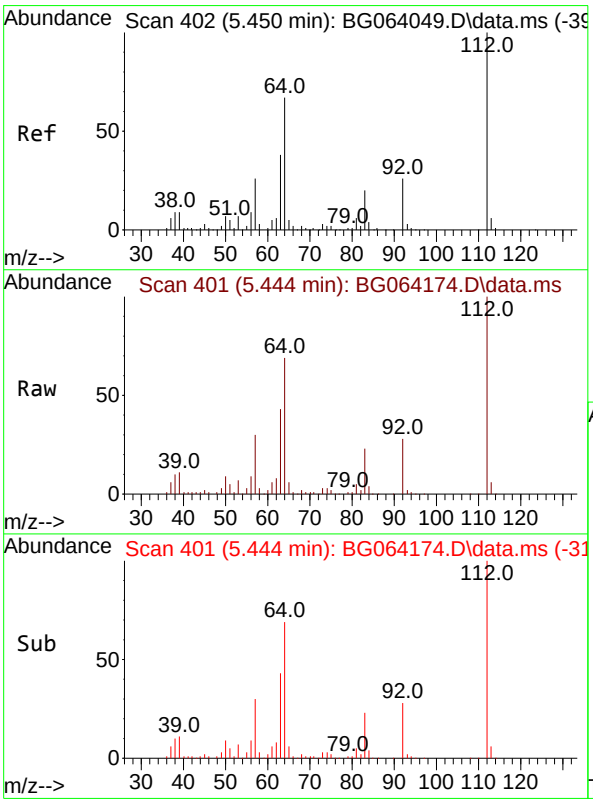
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.853 min Scan# 81
Delta R.T. -0.012 min
Lab File: BG064174.D
Acq: 3 Apr 2025 19:58

Instrument :
BNA_G
ClientSampleId :
PB167451BL

Tgt Ion:152 Resp: 27407

Ion	Ratio	Lower	Upper
152	100		
150	145.7	129.2	193.8
115	61.0	63.0	94.6#

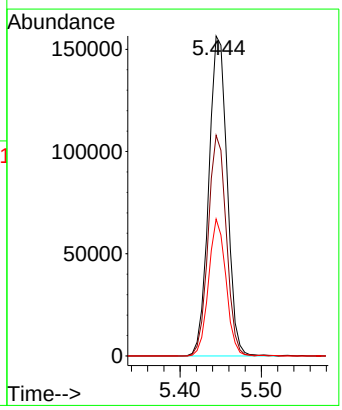


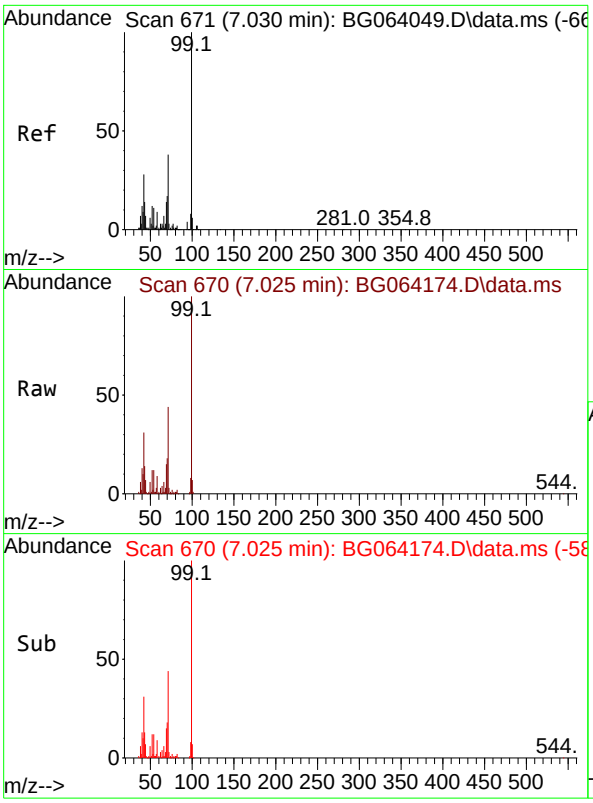


#5
2-Fluorophenol
Concen: 139.805 ng
RT: 5.444 min Scan# 401
Delta R.T. -0.006 min
Lab File: BG064174.D
Acq: 3 Apr 2025 19:58

Tgt Ion:112 Resp: 245391

Ion	Ratio	Lower	Upper
112	100		
64	68.9	53.7	80.5
63	42.8	30.2	45.4



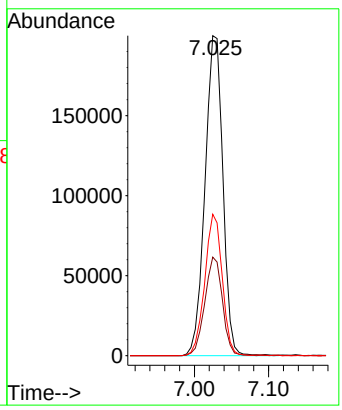


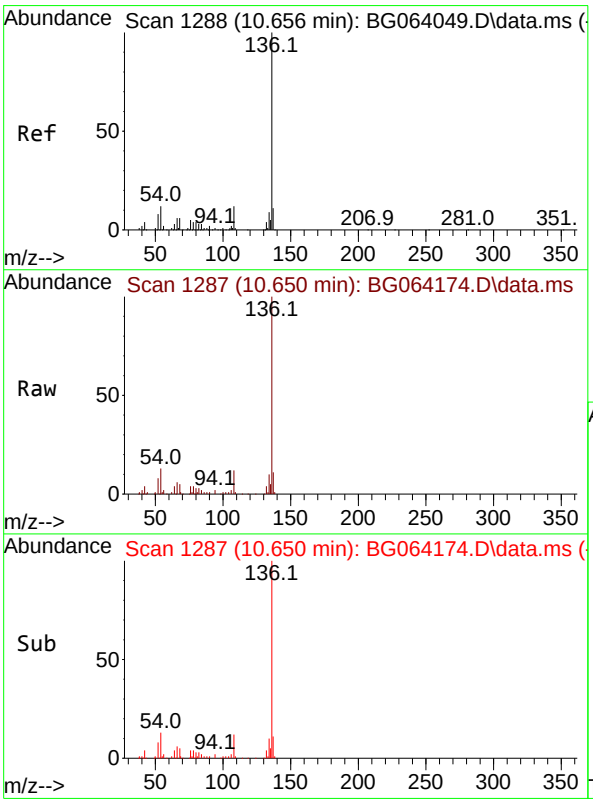
#7
Phenol-d6
Concen: 140.191 ng
RT: 7.025 min Scan# 6
Delta R.T. -0.006 min
Lab File: BG064174.D
Acq: 3 Apr 2025 19:58

Instrument :
BNA_G
ClientSampleId :
PB167451BL

Tgt Ion: 99 Resp: 334749

Ion	Ratio	Lower	Upper
99	100		
42	30.8	22.7	34.1
71	44.2	30.6	46.0

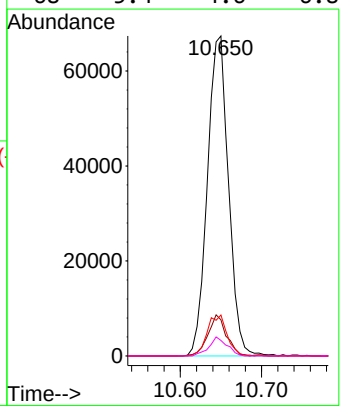


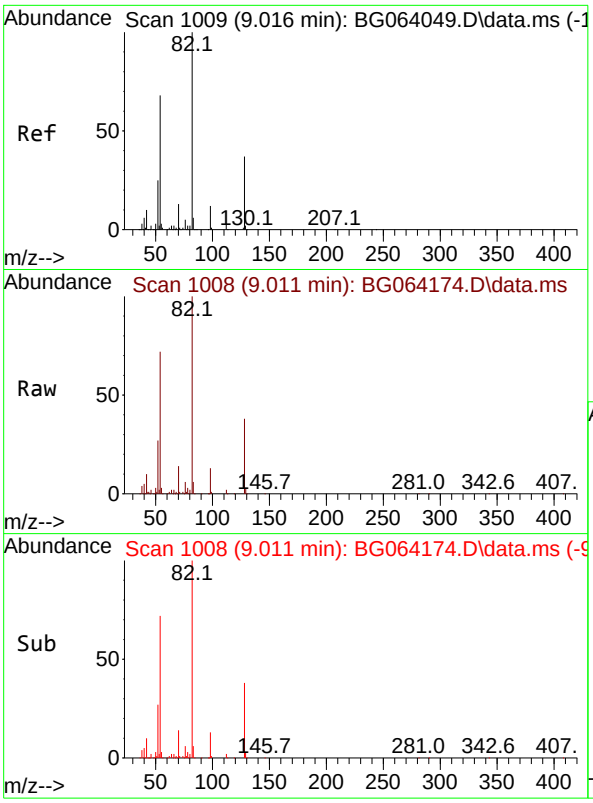


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.650 min Scan# 1287
Delta R.T. -0.006 min
Lab File: BG064174.D
Acq: 3 Apr 2025 19:58

Tgt Ion:136 Resp: 121488

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.5	12.7
54	12.8	9.9	14.9
68	5.4	4.6	6.8



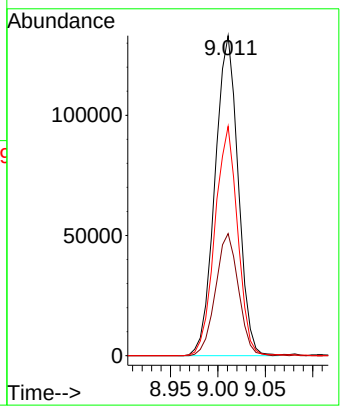


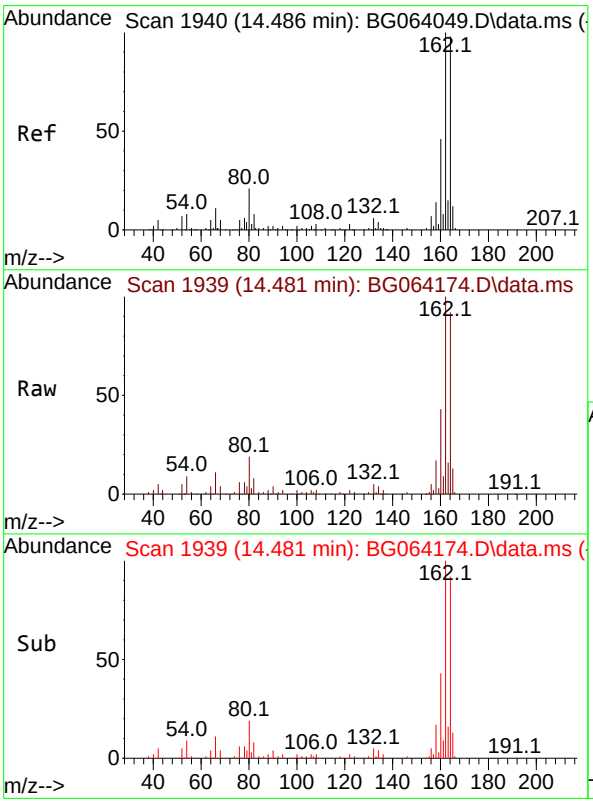
#23
Nitrobenzene-d5
Concen: 102.999 ng
RT: 9.011 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064174.D
Acq: 3 Apr 2025 19:58

Instrument :
BNA_G
ClientSampleId :
PB167451BL

Tgt Ion: 82 Resp: 226433

Ion	Ratio	Lower	Upper
82	100		
128	38.1	30.0	45.0
54	71.6	54.7	82.1

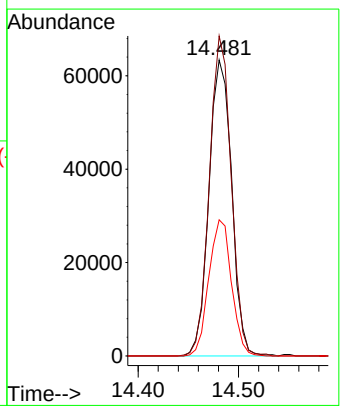


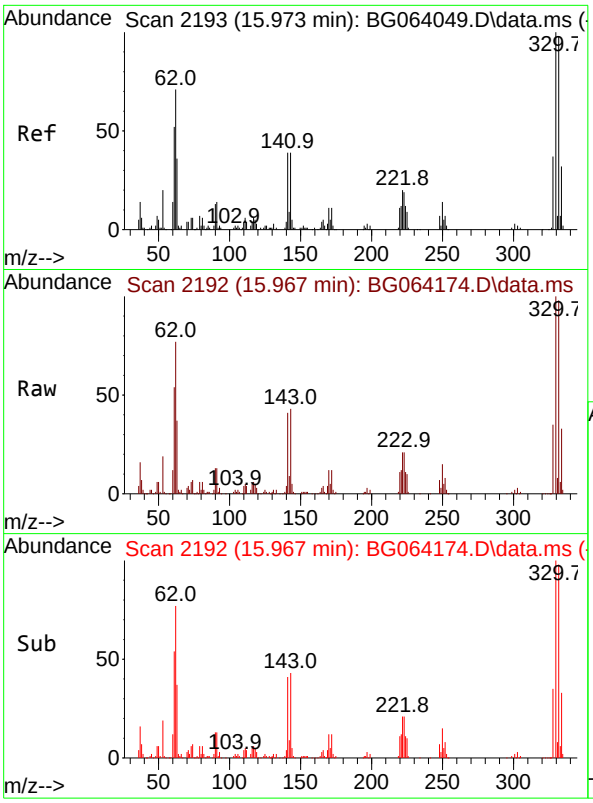


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.481 min Scan# 1939
Delta R.T. -0.005 min
Lab File: BG064174.D
Acq: 3 Apr 2025 19:58

Tgt Ion:164 Resp: 99612

Ion	Ratio	Lower	Upper
164	100		
162	108.1	81.4	122.0
160	46.0	37.0	55.6



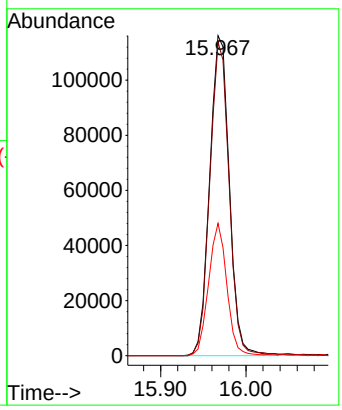


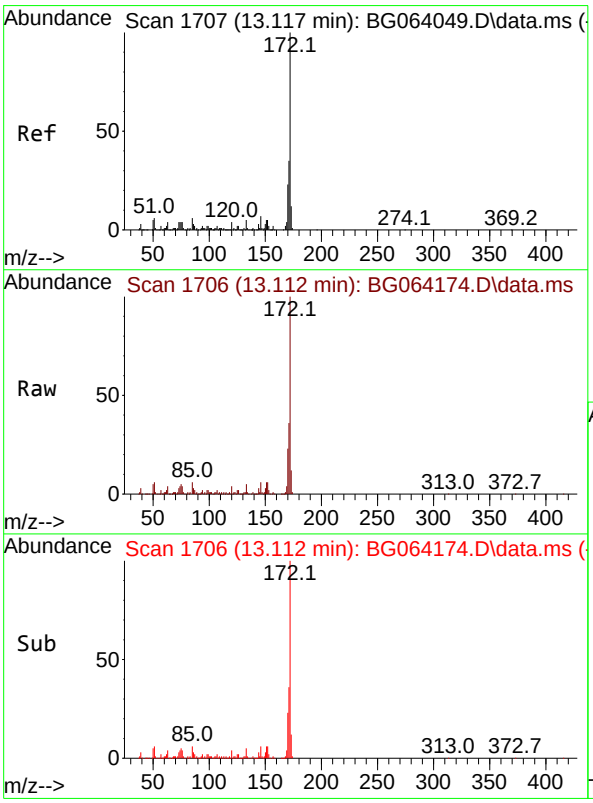
#42
2,4,6-Tribromophenol
Concen: 167.979 ng
RT: 15.967 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG064174.D
Acq: 3 Apr 2025 19:58

Instrument :
BNA_G
ClientSampleId :
PB167451BL

Tgt Ion:330 Resp: 185996

Ion	Ratio	Lower	Upper
330	100		
332	96.5	76.7	115.1
141	38.8	29.7	44.5

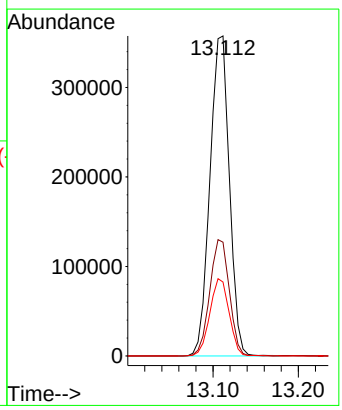


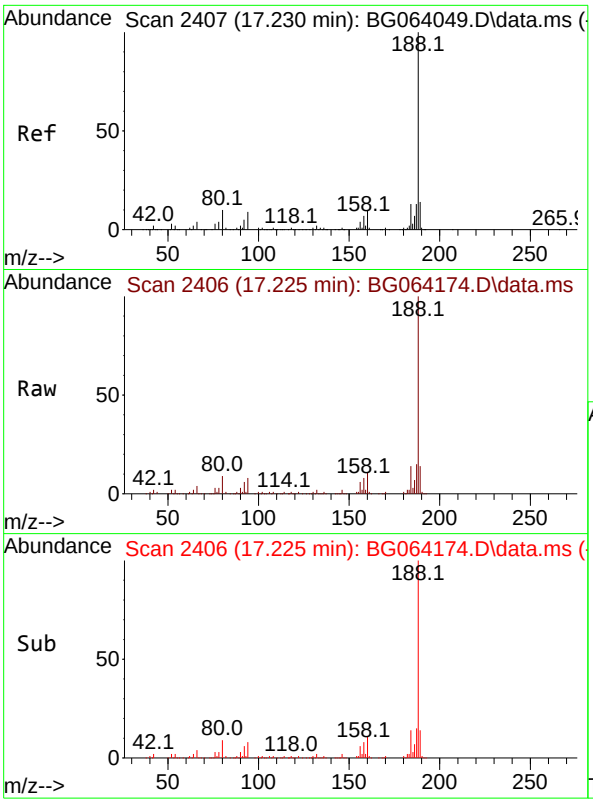


#45
2-Fluorobiphenyl
Concen: 86.218 ng
RT: 13.112 min Scan# 1706
Delta R.T. -0.006 min
Lab File: BG064174.D
Acq: 3 Apr 2025 19:58

Tgt Ion:172 Resp: 565811

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.0	42.0
170	23.1	18.7	28.1



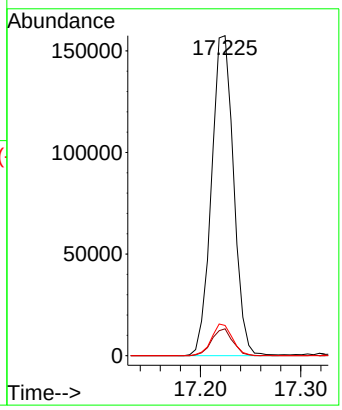


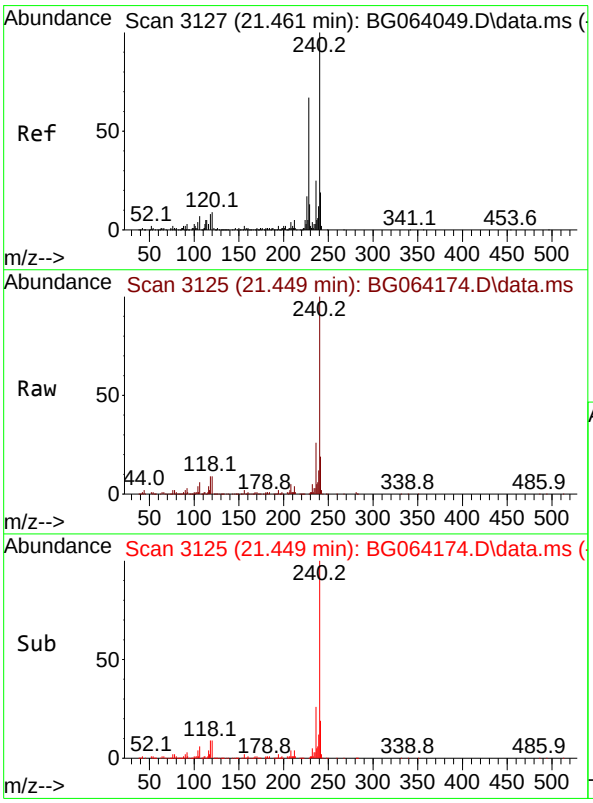
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.225 min Scan# 24
Delta R.T. -0.005 min
Lab File: BG064174.D
Acq: 3 Apr 2025 19:58

Instrument :
BNA_G
ClientSampleId :
PB167451BL

Tgt Ion:188 Resp: 240876

Ion	Ratio	Lower	Upper
188	100		
94	8.4	6.9	10.3
80	9.5	8.1	12.1

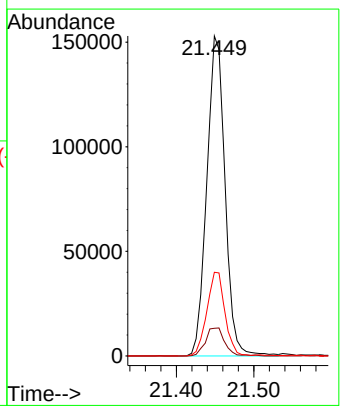


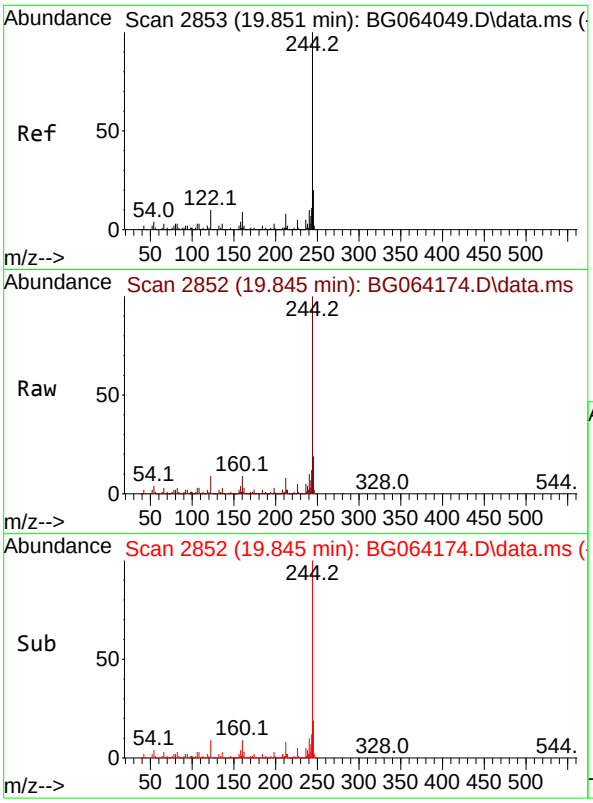


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.449 min Scan# 3125
Delta R.T. -0.012 min
Lab File: BG064174.D
Acq: 3 Apr 2025 19:58

Tgt Ion:240 Resp: 250147

Ion	Ratio	Lower	Upper
240	100		
120	8.7	7.2	10.8
236	26.1	20.2	30.2



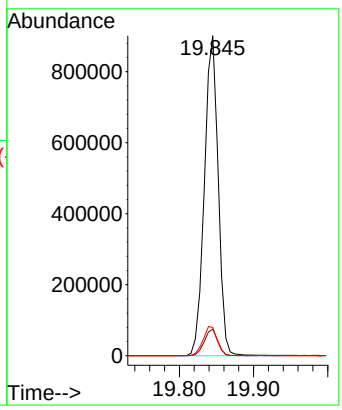


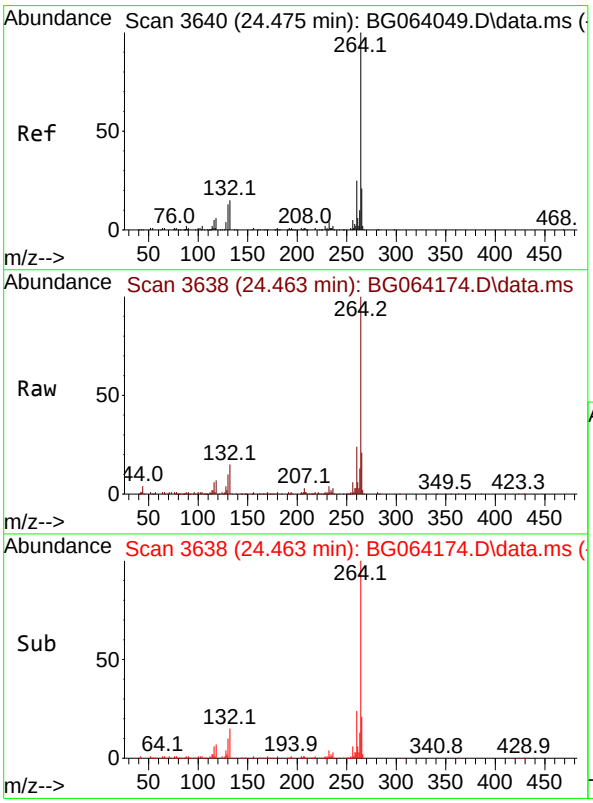
#79
Terphenyl-d14
Concen: 94.229 ng
RT: 19.845 min Scan# 2
Delta R.T. -0.006 min
Lab File: BG064174.D
Acq: 3 Apr 2025 19:58

Instrument :
BNA_G
ClientSampleId :
PB167451BL

Tgt Ion:244 Resp: 1165740

Ion	Ratio	Lower	Upper
244	100		
212	8.3	6.2	9.4
122	8.8	8.0	12.0

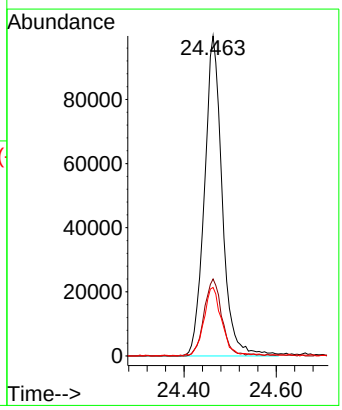




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.463 min Scan# 3638
Delta R.T. -0.012 min
Lab File: BG064174.D
Acq: 3 Apr 2025 19:58

Tgt Ion:264 Resp: 267703

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.6	29.4
265	21.4	16.6	25.0



Sample Results: **BG064174.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040325\
Data File : BG064174.D
Acq On : 3 Apr 2025 19:58
Operator : RC/JU
Sample : PB167451BL
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB167451BL

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG064174.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.980	314	322	328	rBV	174341	240802	7.03%	1.831%
2	5.444	395	401	410	rBV	671903	1033468	30.17%	7.857%
3	6.055	499	505	510	rBV	28281	40877	1.19%	0.311%
4	7.025	663	670	680	rBV	714194	1192518	34.81%	9.066%
5	7.859	806	812	820	rBV2	109748	186153	5.43%	1.415%
6	9.011	998	1008	1016	rBV	442754	751810	21.94%	5.716%
7	10.644	1279	1286	1294	rBV	154148	275142	8.03%	2.092%
8	13.106	1698	1705	1713	rBV	1156639	1817880	53.06%	13.821%
9	14.481	1932	1939	1948	rVB	299055	458440	13.38%	3.485%
10	15.967	2185	2192	2202	rBV	1116194	1693871	49.44%	12.878%
11	17.225	2398	2406	2414	rBV2	411852	623356	18.20%	4.739%
12	19.845	2845	2852	2862	rBV	2628839	3425970	100.00%	26.047%
13	21.449	3119	3125	3132	rBV	427426	698393	20.39%	5.310%
14	24.463	3629	3638	3652	rVB	271998	714450	20.85%	5.432%

Sum of corrected areas: 13153130

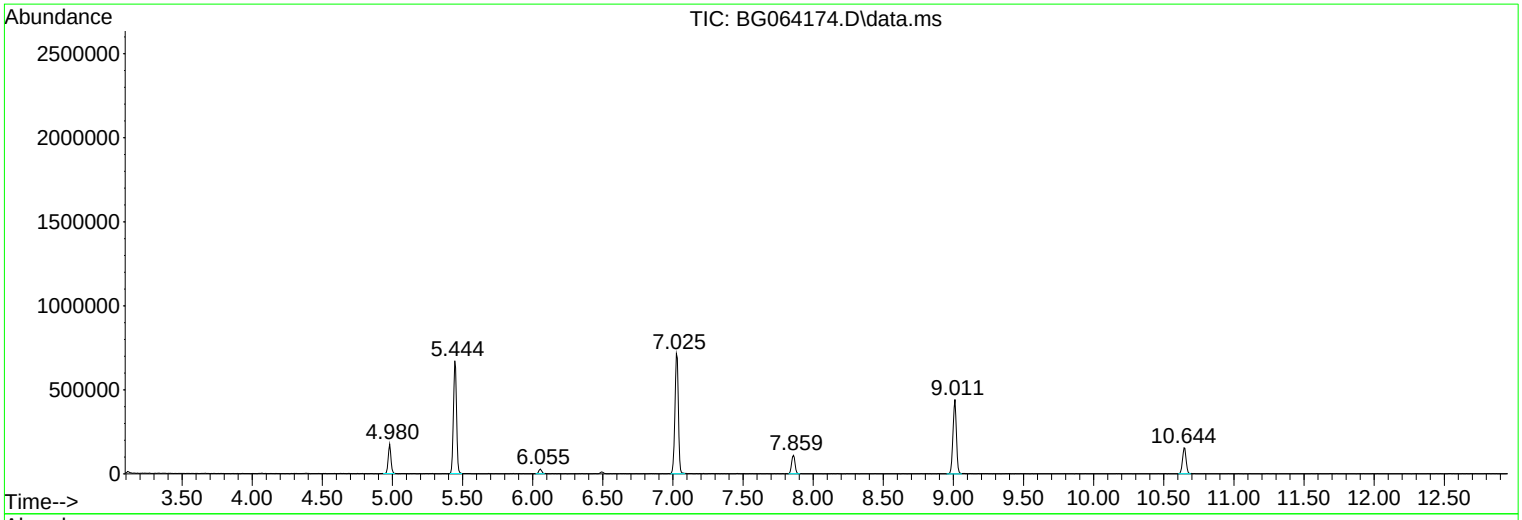
Sample Results: **BG064174.D**

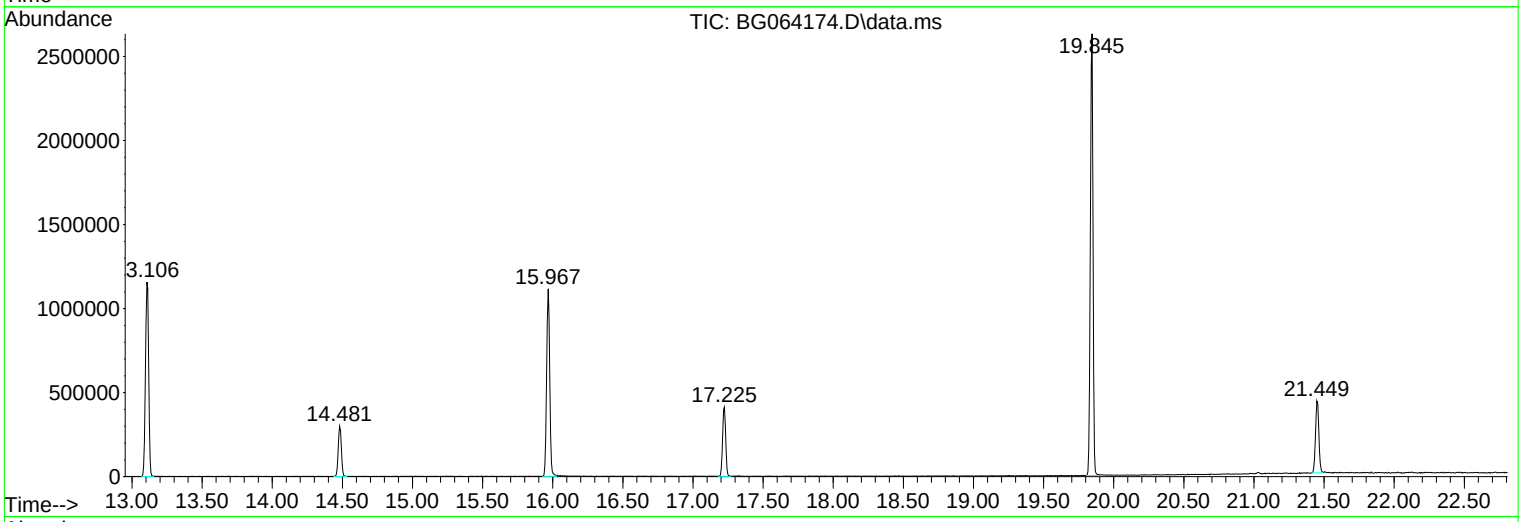
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040325\
Data File : BG064174.D
Acq On : 3 Apr 2025 19:58
Operator : RC/JU
Sample : PB167451BL
Misc :
ALS Vial : 12 Sample Multiplier: 1

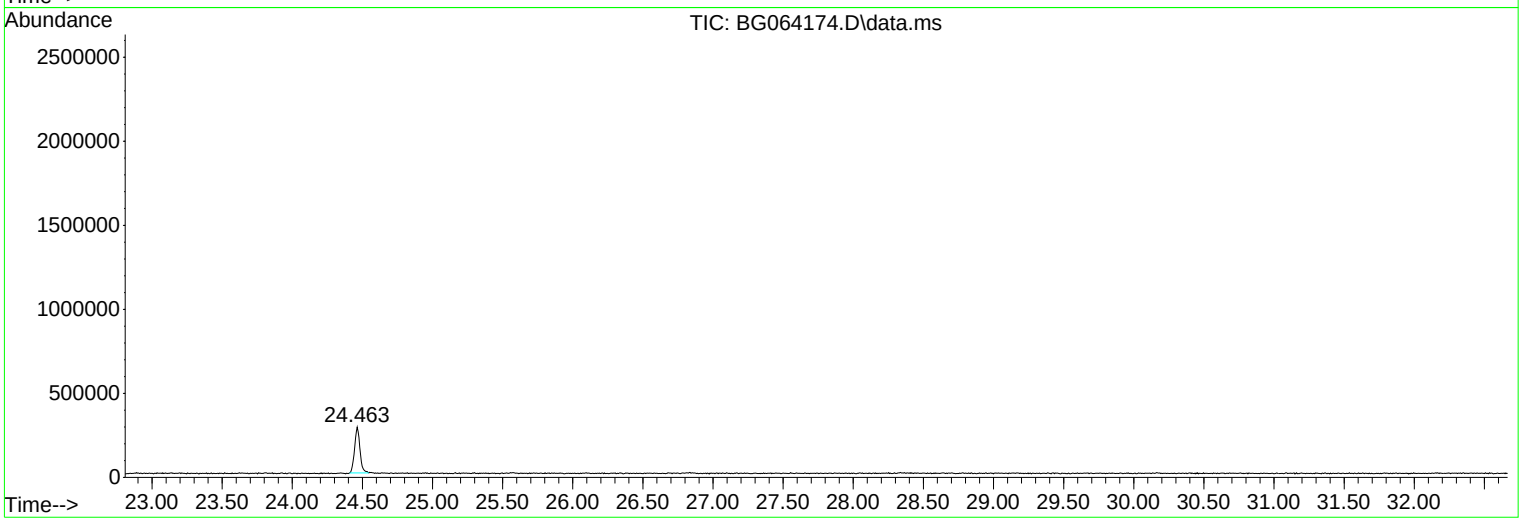
Instrument :
BNA_G
ClientSampleId :
PB167451BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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







Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040325\
Data File : BG064174.D
Acq On : 3 Apr 2025 19:58
Operator : RC/JU
Sample : PB167451BL
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB167451BL

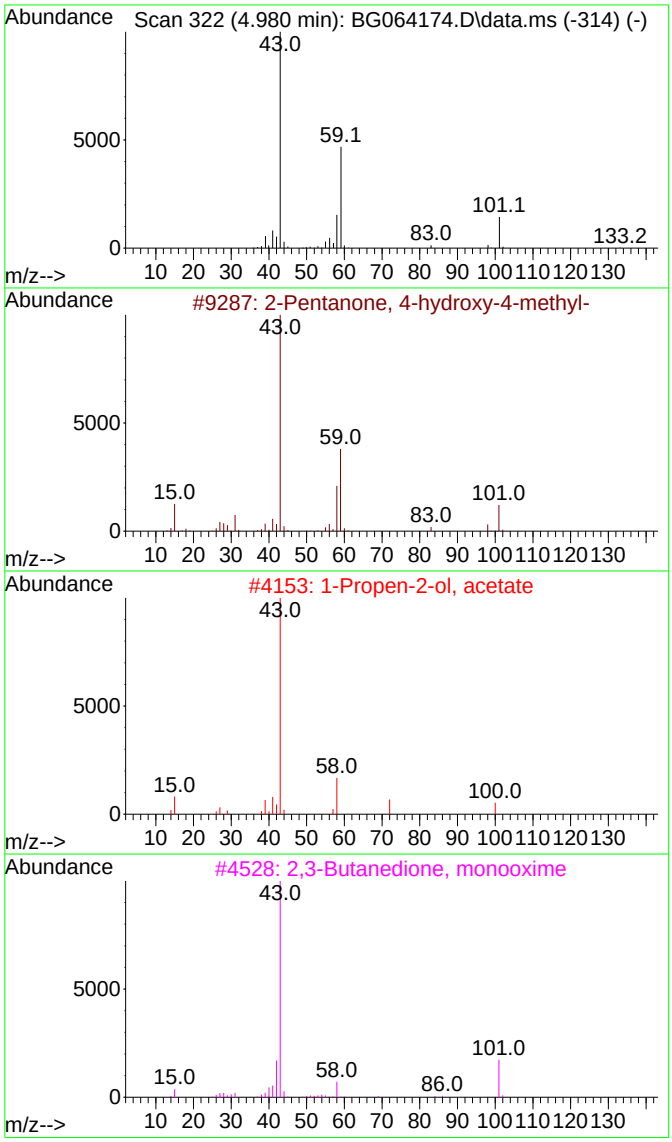
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

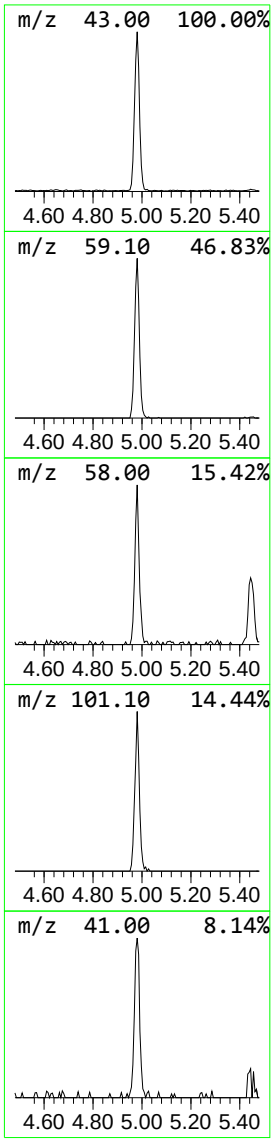
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.980	25.87 ng	240802	1,4-Dichlorobenzene-d4	7.853

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	10
4	Diacetamide	101	C4H7NO2	000625-77-4	9
5	3-Nonyl acetate	186	C11H22O2	1010429-16-2	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040325\
Data File : BG064174.D
Acq On : 3 Apr 2025 19:58
Operator : RC/JU
Sample : PB167451BL
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB167451BL

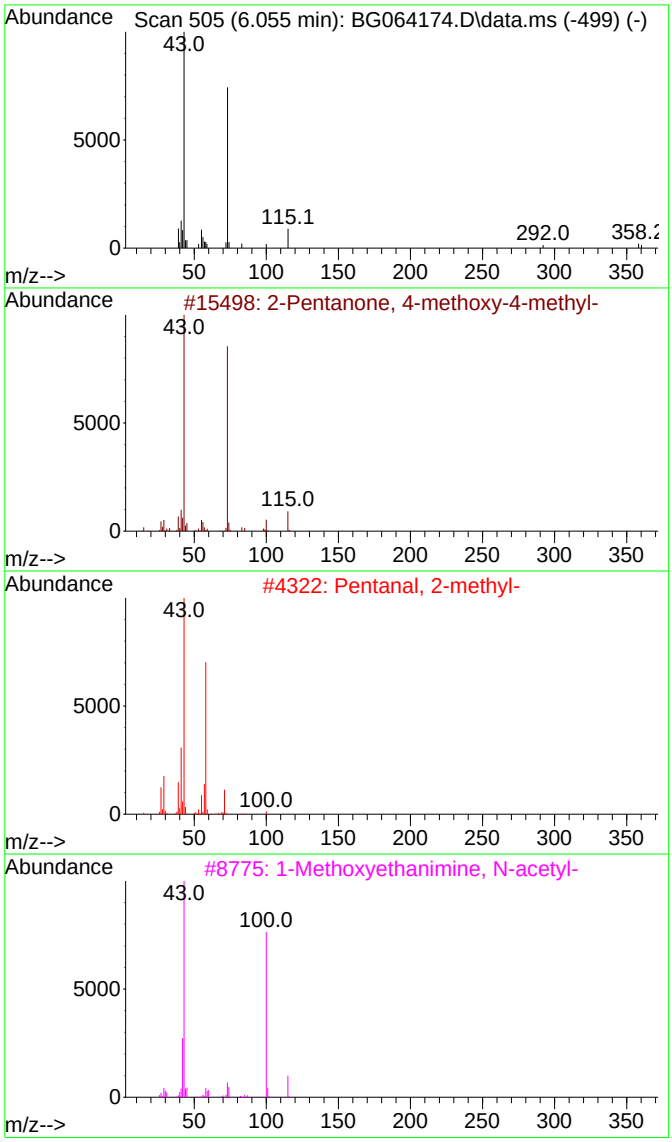
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

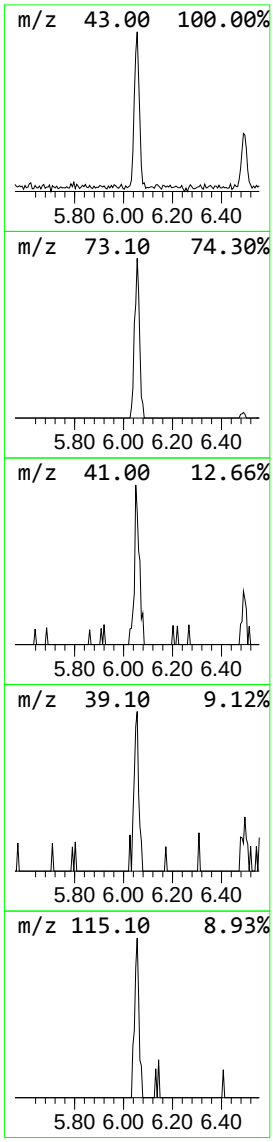
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.055	4.39 ng	40877	1,4-Dichlorobenzene-d4	7.853

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-methoxy-4-methyl-	130	C7H14O2	000107-70-0	64
2	Pentanal, 2-methyl-	100	C6H12O	000123-15-9	12
3	1-Methoxyethanimine, N-acetyl-	115	C5H9NO2	099028-43-0	10
4	N-Ethylformamide	73	C3H7NO	000627-45-2	10
5	Acetamide, N-methyl-	73	C3H7NO	000079-16-3	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040325\
Data File : BG064174.D
Acq On : 3 Apr 2025 19:58
Operator : RC/JU
Sample : PB167451BL
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB167451BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.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-...	4.980	25.9	ng	240802	1	7.853	186153	20.0
2-Pentanone, 4-...	6.055	4.4	ng	40877	1	7.853	186153	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040325\
Data File : BG064175.D
Acq On : 3 Apr 2025 20:38
Operator : RC/JU
Sample : PB167451BS
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 04 01:46:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
PB167451BS

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.856	152	27724	20.000	ng		0.00
21) Naphthalene-d8	10.646	136	127043	20.000	ng		0.00
39) Acenaphthene-d10	14.483	164	99227	20.000	ng		0.00
64) Phenanthrene-d10	17.221	188	235595	20.000	ng		0.00
76) Chrysene-d12	21.457	240	232442	20.000	ng		0.00
86) Perylene-d12	24.465	264	250687	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.447	112	273370	153.965	ng		0.00
7) Phenol-d6	7.027	99	369305	152.895	ng		0.00
23) Nitrobenzene-d5	9.013	82	252836	109.980	ng		0.00
42) 2,4,6-Tribromophenol	15.970	330	206326	187.063	ng		0.00
45) 2-Fluorobiphenyl	13.108	172	625714	95.716	ng		0.00
79) Terphenyl-d14	19.842	244	1181105	102.743	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.361	88	22821	28.360	ng		87
3) Pyridine	3.749	79	72085	36.835	ng		99
4) n-Nitrosodimethylamine	3.660	42	59160	42.311	ng		98
6) Aniline	7.186	93	81316	34.308	ng		96
8) 2-Chlorophenol	7.427	128	104021	54.548	ng		97
9) Benzaldehyde	6.998	77	59463	42.329	ng		93
10) Phenol	7.056	94	132073	53.406	ng		94
11) bis(2-Chloroethyl)ether	7.286	93	90315	46.583	ng		96
12) 1,3-Dichlorobenzene	7.750	146	98739	47.152	ng		96
13) 1,4-Dichlorobenzene	7.897	146	101460	47.270	ng		97
14) 1,2-Dichlorobenzene	8.208	146	101004	48.800	ng		95
15) Benzyl Alcohol	8.091	79	103667	55.540	ng		91
16) 2,2'-oxybis(1-Chloropr...	8.384	45	209856	48.138	ng		99
17) 2-Methylphenol	8.296	107	92668	56.460	ng		99
18) Hexachloroethane	8.937	117	39888	53.115	ng		94
19) n-Nitroso-di-n-propyla...	8.660	70	85464	50.417	ng		99
20) 3+4-Methylphenols	8.625	107	130529	57.767	ng		96
22) Acetophenone	8.672	105	167288	48.026	ng		98
24) Nitrobenzene	9.054	77	127515	53.672	ng	#	96
25) Isophorone	9.577	82	242940	52.797	ng	#	95
26) 2-Nitrophenol	9.759	139	56117	63.620	ng	#	90
27) 2,4-Dimethylphenol	9.824	122	113861	82.542	ng		99
28) bis(2-Chloroethoxy)met...	10.059	93	138485	49.641	ng		99
29) 2,4-Dichlorophenol	10.294	162	105181	60.386	ng		99
30) 1,2,4-Trichlorobenzene	10.511	180	107026	50.900	ng		95
31) Naphthalene	10.699	128	333528	48.686	ng		99
32) Benzoic acid	9.977	122	78807	59.641	ng		97
33) 4-Chloroaniline	10.805	127	30844	12.319	ng		98
34) Hexachlorobutadiene	10.987	225	72158	52.355	ng		96
35) Caprolactam	11.569	113	38445m	57.596	ng		
36) 4-Chloro-3-methylphenol	11.933	107	141004	61.757	ng		97
37) 2-Methylnaphthalene	12.303	142	226997	46.937	ng		97
38) 1-Methylnaphthalene	12.527	142	245040	51.718	ng		98
40) 1,2,4,5-Tetrachloroben...	12.679	216	135050	47.673	ng	#	98
41) Hexachlorocyclopentadiene	12.662	237	200978	252.069	ng		93
43) 2,4,6-Trichlorophenol	12.914	196	95761	57.356	ng		98

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040325\
Data File : BG064175.D
Acq On : 3 Apr 2025 20:38
Operator : RC/JU
Sample : PB167451BS
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 04 01:46:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
PB167451BS

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.985	196	108252	58.352	ng		98
46) 1,1'-Biphenyl	13.320	154	364524	48.625	ng		98
47) 2-Chloronaphthalene	13.361	162	266516	48.745	ng		97
48) 2-Nitroaniline	13.561	65	106702	56.697	ng		97
49) Acenaphthylene	14.207	152	463864	53.637	ng		99
50) Dimethylphthalate	13.943	163	373757	51.027	ng		99
51) 2,6-Dinitrotoluene	14.054	165	82641	55.081	ng		95
52) Acenaphthene	14.548	154	283336	48.819	ng		98
53) 3-Nitroaniline	14.383	138	30973	21.879	ng		93
54) 2,4-Dinitrophenol	14.595	184	103147	157.964	ng	#	78
55) Dibenzofuran	14.883	168	458251	48.739	ng		99
56) 4-Nitrophenol	14.700	139	148840	125.363	ng	#	89
57) 2,4-Dinitrotoluene	14.841	165	124141	59.593	ng	#	98
58) Fluorene	15.535	166	373934	51.063	ng		96
59) 2,3,4,6-Tetrachlorophenol	15.106	232	108848	60.184	ng		95
60) Diethylphthalate	15.312	149	415297	52.228	ng		99
61) 4-Chlorophenyl-phenyle...	15.529	204	185302	50.920	ng		90
62) 4-Nitroaniline	15.547	138	85117	55.690	ng		93
63) Azobenzene	15.817	77	410613	48.392	ng		99
65) 4,6-Dinitro-2-methylph...	15.611	198	74018	68.512	ng		93
66) n-Nitrosodiphenylamine	15.740	169	343772	51.549	ng		99
67) 4-Bromophenyl-phenylether	16.422	248	126083	52.253	ng		96
68) Hexachlorobenzene	16.534	284	137848	51.029	ng		99
69) Atrazine	16.692	200	140300	71.503	ng		97
70) Pentachlorophenol	16.874	266	186580	111.241	ng		99
71) Phenanthrene	17.268	178	635172	50.546	ng		98
72) Anthracene	17.356	178	648466	51.897	ng		99
73) Carbazole	17.626	167	588835	50.473	ng		98
74) Di-n-butylphthalate	18.196	149	727823	53.000	ng		100
75) Fluoranthene	19.277	202	742513	49.013	ng		97
77) Benzidine	19.454	184	189136	58.762	ng		97
78) Pyrene	19.636	202	770248	51.406	ng		99
80) Butylbenzylphthalate	20.535	149	329008	57.719	ng		98
81) Benzo(a)anthracene	21.434	228	781366	52.478	ng		99
82) 3,3'-Dichlorobenzidine	21.357	252	130385	27.058	ng		94
83) Chrysene	21.498	228	736885	49.620	ng		99
84) Bis(2-ethylhexyl)phtha...	21.363	149	486302	60.391	ng		99
85) Di-n-octyl phthalate	22.509	149	828678	59.663	ng		98
87) Indeno(1,2,3-cd)pyrene	27.867	276	917101	54.677	ng	#	96
88) Benzo(b)fluoranthene	23.520	252	764913	50.473	ng		99
89) Benzo(k)fluoranthene	23.584	252	763585	50.224	ng		100
90) Benzo(a)pyrene	24.330	252	741942	54.971	ng		98
91) Dibenzo(a,h)anthracene	27.926	278	749744	53.918	ng		98
92) Benzo(g,h,i)perylene	28.925	276	722475	50.605	ng		97

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

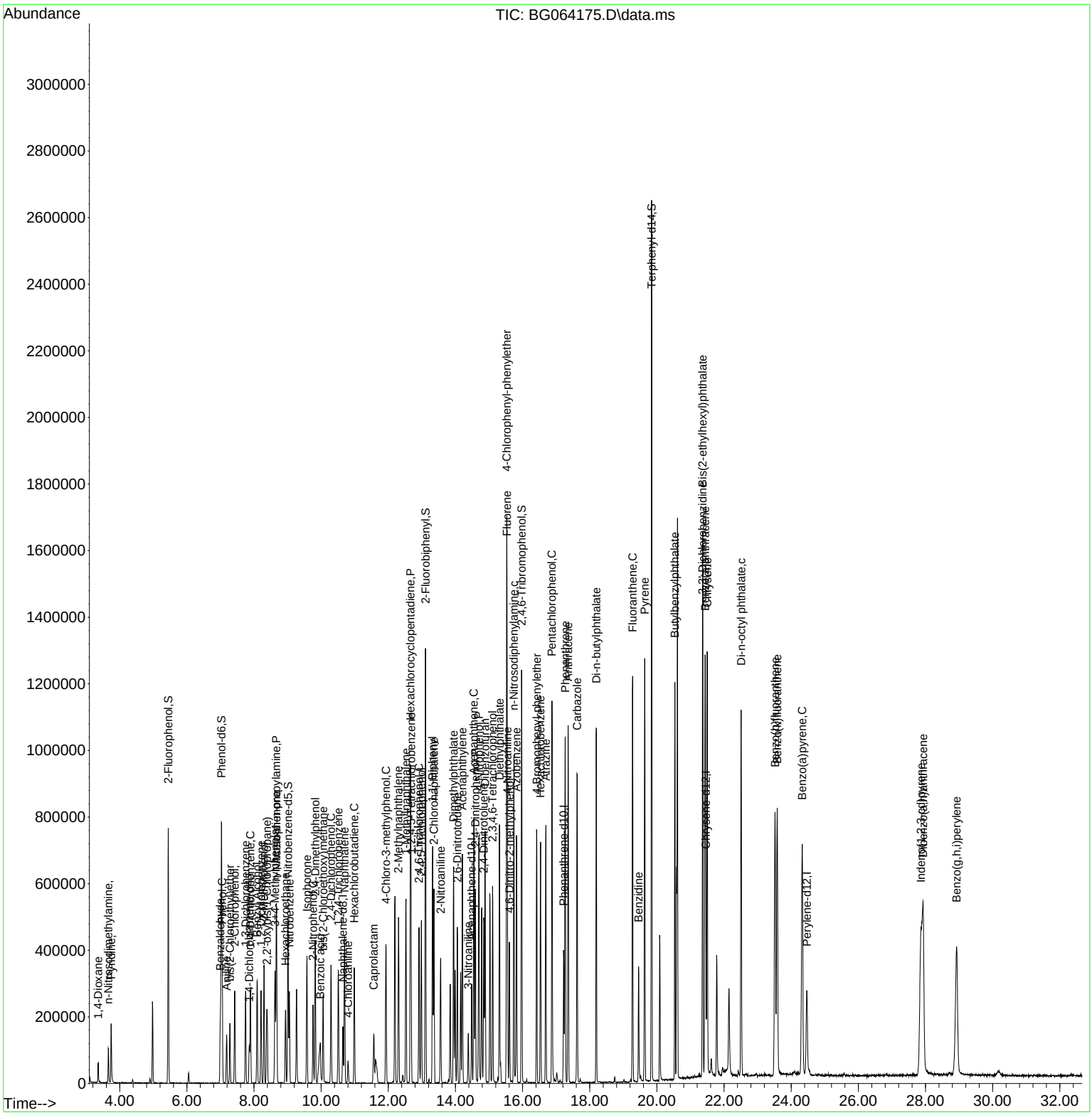
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040325\
Data File : BG064175.D
Acq On : 3 Apr 2025 20:38
Operator : RC/JU
Sample : PB167451BS
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 04 01:46:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
PB167451BS

Manual Integrations APPROVED

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040325\
Data File : BG064176.D
Acq On : 3 Apr 2025 21:19
Operator : RC/JU
Sample : PB167451BSD
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 04 01:47:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
PB167451BSD

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.861	152	28303	20.000	ng		0.00
21) Naphthalene-d8	10.646	136	133092	20.000	ng		-0.01
39) Acenaphthene-d10	14.483	164	102019	20.000	ng		0.00
64) Phenanthrene-d10	17.226	188	241112	20.000	ng		0.00
76) Chrysene-d12	21.457	240	247153	20.000	ng		0.00
86) Perylene-d12	24.465	264	262161	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.446	112	273335	150.796	ng		0.00
7) Phenol-d6	7.032	99	363878	147.566	ng		0.00
23) Nitrobenzene-d5	9.012	82	254551	105.694	ng		0.00
42) 2,4,6-Tribromophenol	15.975	330	210729	185.826	ng		0.00
45) 2-Fluorobiphenyl	13.108	172	622132	92.563	ng		0.00
79) Terphenyl-d14	19.847	244	1226464	100.339	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.360	88	24747	30.125	ng	#	90
3) Pyridine	3.742	79	72843	36.461	ng		94
4) n-Nitrosodimethylamine	3.660	42	61533	43.108	ng		93
6) Aniline	7.185	93	84711	35.010	ng		99
8) 2-Chlorophenol	7.426	128	106030	54.465	ng		97
9) Benzaldehyde	6.997	77	57799	40.303	ng		93
10) Phenol	7.056	94	133538	52.894	ng		93
11) bis(2-Chloroethyl)ether	7.279	93	88654	44.791	ng		96
12) 1,3-Dichlorobenzene	7.749	146	102295	47.850	ng		96
13) 1,4-Dichlorobenzene	7.896	146	106184	48.458	ng		96
14) 1,2-Dichlorobenzene	8.213	146	103492	48.980	ng		97
15) Benzyl Alcohol	8.096	79	108365	56.870	ng		90
16) 2,2'-oxybis(1-Chloropr...	8.390	45	212871	47.830	ng		98
17) 2-Methylphenol	8.296	107	95267	56.856	ng		97
18) Hexachloroethane	8.936	117	41193	53.731	ng		95
19) n-Nitroso-di-n-propyla...	8.660	70	86738	50.122	ng		97
20) 3+4-Methylphenols	8.625	107	130993	56.786	ng		93
22) Acetophenone	8.678	105	167191	45.817	ng	#	98
24) Nitrobenzene	9.054	77	130832	52.565	ng		98
25) Isophorone	9.576	82	238760	49.530	ng	#	95
26) 2-Nitrophenol	9.765	139	56784	61.899	ng		96
27) 2,4-Dimethylphenol	9.823	122	110657	76.574	ng		97
28) bis(2-Chloroethoxy)met...	10.058	93	139396	47.697	ng		98
29) 2,4-Dichlorophenol	10.293	162	106169	58.183	ng		100
30) 1,2,4-Trichlorobenzene	10.511	180	106216	48.218	ng		99
31) Naphthalene	10.699	128	337756	47.063	ng		99
32) Benzoic acid	9.976	122	78160m	56.926	ng		
33) 4-Chloroaniline	10.804	127	29950	11.418	ng		98
34) Hexachlorobutadiene	10.987	225	72881	50.477	ng		96
35) Caprolactam	11.574	113	40627m	58.099	ng		
36) 4-Chloro-3-methylphenol	11.933	107	138667	57.973	ng		98
37) 2-Methylnaphthalene	12.309	142	231571	45.707	ng		99
38) 1-Methylnaphthalene	12.526	142	250615	50.490	ng		100
40) 1,2,4,5-Tetrachloroben...	12.679	216	132937	45.643	ng	#	95
41) Hexachlorocyclopentadiene	12.661	237	207064	252.595	ng		97
43) 2,4,6-Trichlorophenol	12.914	196	97758	56.949	ng		95

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040325\
Data File : BG064176.D
Acq On : 3 Apr 2025 21:19
Operator : RC/JU
Sample : PB167451BSD
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 04 01:47:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
PB167451BSD

Manual Integrations APPROVED

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

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44)	2,4,5-Trichlorophenol	12.984	196	109209	57.257	ng		97
46)	1,1'-Biphenyl	13.319	154	366417	47.540	ng		98
47)	2-Chloronaphthalene	13.360	162	275172	48.951	ng		98
48)	2-Nitroaniline	13.560	65	108592	56.226	ng		97
49)	Acenaphthylene	14.206	152	477520	53.705	ng		99
50)	Dimethylphthalate	13.942	163	381580	50.669	ng		99
51)	2,6-Dinitrotoluene	14.059	165	82465	53.558	ng		96
52)	Acenaphthene	14.547	154	282136	47.281	ng		99
53)	3-Nitroaniline	14.383	138	31715	21.790	ng		96
54)	2,4-Dinitrophenol	14.594	184	105922	157.784	ng	#	70
55)	Dibenzofuran	14.882	168	463105	47.907	ng		96
56)	4-Nitrophenol	14.700	139	153028	125.363	ng		90
57)	2,4-Dinitrotoluene	14.847	165	131963	61.490	ng	#	98
58)	Fluorene	15.534	166	382424	50.793	ng		98
59)	2,3,4,6-Tetrachlorophenol	15.111	232	111984	60.224	ng	#	94
60)	Diethylphthalate	15.311	149	419250	51.282	ng		99
61)	4-Chlorophenyl-phenyle...	15.528	204	191460	51.173	ng		91
62)	4-Nitroaniline	15.552	138	86814	55.246	ng		92
63)	Azobenzene	15.822	77	414254	47.485	ng		97
65)	4,6-Dinitro-2-methylph...	15.611	198	78477	70.683	ng		94
66)	n-Nitrosodiphenylamine	15.740	169	350536	51.361	ng		98
67)	4-Bromophenyl-phenylether	16.421	248	130700	52.927	ng		94
68)	Hexachlorobenzene	16.533	284	144837	52.389	ng		98
69)	Atrazine	16.692	200	143980	71.699	ng		93
70)	Pentachlorophenol	16.880	266	194044	113.044	ng		98
71)	Phenanthrene	17.267	178	654476	50.891	ng		99
72)	Anthracene	17.356	178	682335	53.358	ng		98
73)	Carbazole	17.626	167	618082	51.768	ng		99
74)	Di-n-butylphthalate	18.196	149	743858	52.928	ng		99
75)	Fluoranthene	19.277	202	768518	49.569	ng		97
77)	Benzidine	19.459	184	209165	61.117	ng		99
78)	Pyrene	19.635	202	793876	49.829	ng		100
80)	Butylbenzylphthalate	20.534	149	342298	56.555	ng		98
81)	Benzo(a)anthracene	21.439	228	811117	51.233	ng		99
82)	3,3'-Dichlorobenzidine	21.357	252	130164	25.404	ng	#	97
83)	Chrysene	21.498	228	763254	48.337	ng		99
84)	Bis(2-ethylhexyl)phtha...	21.369	149	494996	57.812	ng		98
85)	Di-n-octyl phthalate	22.508	149	861580	58.339	ng		98
87)	Indeno(1,2,3-cd)pyrene	27.873	276	948603	54.080	ng	#	96
88)	Benzo(b)fluoranthene	23.519	252	804926	50.789	ng		99
89)	Benzo(k)fluoranthene	23.584	252	780833	49.111	ng		99
90)	Benzo(a)pyrene	24.330	252	761854	53.976	ng		96
91)	Dibenzo(a,h)anthracene	27.926	278	786562	54.090	ng		97
92)	Benzo(g,h,i)perylene	28.924	276	743203	49.778	ng		96

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

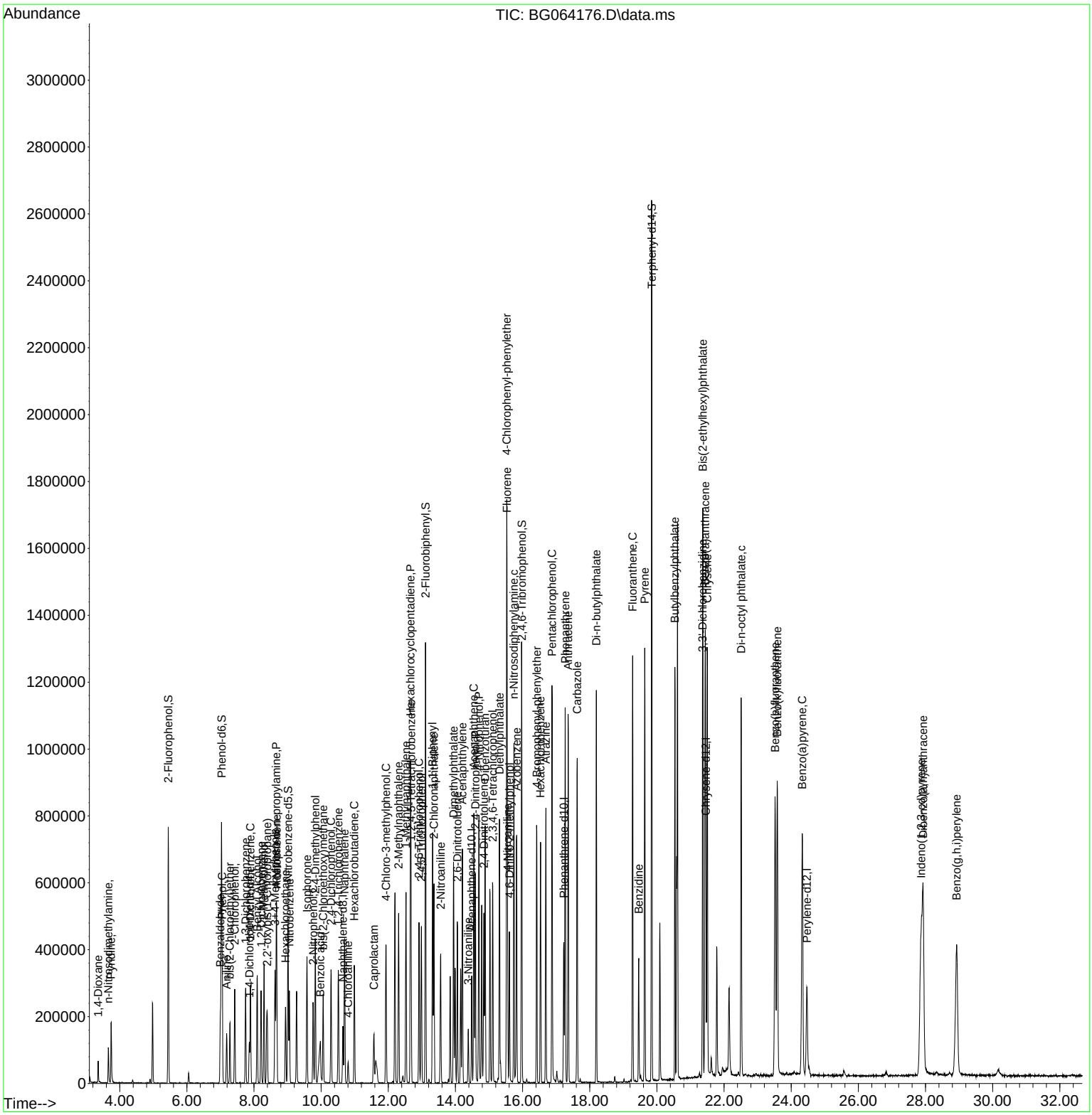
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040325\
Data File : BG064176.D
Acq On : 3 Apr 2025 21:19
Operator : RC/JU
Sample : PB167451BSD
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 04 01:47:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
PB167451BSD

Manual Integrations APPROVED

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



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

Manual Integration Report

Sequence:	bg030525	Instrument	BNA_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BG064046.D	1,2-Dichlorobenzene	Jagrut	3/6/2025 5:46:12 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC005	BG064046.D	1,4-Dichlorobenzene	Jagrut	3/6/2025 5:46:12 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC005	BG064046.D	2,4,6-Trichlorophenol	Jagrut	3/6/2025 5:46:12 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC005	BG064046.D	Acenaphthene	Jagrut	3/6/2025 5:46:12 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC005	BG064046.D	Benzidine	Jagrut	3/6/2025 5:46:12 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC010	BG064047.D	Acenaphthene	Jagrut	3/6/2025 5:46:22 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC010	BG064047.D	Benzaldehyde	Jagrut	3/6/2025 5:46:22 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC010	BG064047.D	Benzidine	Jagrut	3/6/2025 5:46:22 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC010	BG064047.D	Benzoic acid	Jagrut	3/6/2025 5:46:22 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC020	BG064048.D	Acenaphthene	Jagrut	3/6/2025 5:46:24 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC020	BG064048.D	Benzaldehyde	Jagrut	3/6/2025 5:46:24 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC020	BG064048.D	Benzoic acid	Jagrut	3/6/2025 5:46:24 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICCC040	BG064049.D	Acenaphthene	Jagrut	3/6/2025 5:46:27 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	bg030525	Instrument	BNA_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICCC040	BG064049.D	Benzoic acid	Jagrut	3/6/2025 5:46:27 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC050	BG064050.D	Acenaphthene	Jagrut	3/6/2025 5:46:30 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC050	BG064050.D	Benzoic acid	Jagrut	3/6/2025 5:46:30 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC060	BG064051.D	Benzoic acid	Jagrut	3/6/2025 5:46:32 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC080	BG064052.D	Benzoic acid	Jagrut	3/6/2025 5:46:36 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICV040	BG064053.D	Acenaphthene	Jagrut	3/6/2025 5:46:42 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICV040	BG064053.D	Benzaldehyde	Jagrut	3/6/2025 5:46:42 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICV040	BG064053.D	Benzoic acid	Jagrut	3/6/2025 5:46:42 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	BG040325	Instrument	BNA_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BG064164.D	Benzoic acid	anahy	4/4/2025 10:53:43 AM	Jagrut	4/4/2025 11:51:59 AM	Peak Integrated by Software
PB167451BS	BG064175.D	Caprolactam	Rahul	4/4/2025 11:47:18 AM	Jagrut	4/4/2025 11:52:15 AM	Peak Integrated by Software
PB167451BSD	BG064176.D	Benzoic acid	Rahul	4/4/2025 11:47:21 AM	Jagrut	4/4/2025 11:52:17 AM	Peak Integrated by Software
PB167451BSD	BG064176.D	Caprolactam	Rahul	4/4/2025 11:47:21 AM	Jagrut	4/4/2025 11:52:17 AM	Peak Integrated by Software
SSTDCCC040	BG064180.D	2,3,4,6-Tetrachlorophenol	Rahul	4/4/2025 11:47:25 AM	Jagrut	4/4/2025 11:52:22 AM	Peak Integrated by Software
SSTDCCC040	BG064180.D	Benzoic acid	Rahul	4/4/2025 11:47:25 AM	Jagrut	4/4/2025 11:52:22 AM	Peak Integrated by Software

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

Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG030525

Review By	Jagrut	Review On	3/6/2025 5:46:57 PM		
Supervise By	mohammad	Supervise On	3/7/2025 6:01:50 AM		
SubDirectory	BG030525	HP Acquire Method	BNA_G	HP Processing Method	bg030525

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12653,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BG064044.D	5 Mar 2025 8:15	RC/JU	Ok
2	SSTDICC2.5	BG064045.D	5 Mar 2025 9:02	RC/JU	Ok
3	SSTDICC005	BG064046.D	5 Mar 2025 9:42	RC/JU	Ok,M
4	SSTDICC010	BG064047.D	5 Mar 2025 10:22	RC/JU	Ok,M
5	SSTDICC020	BG064048.D	5 Mar 2025 11:03	RC/JU	Ok,M
6	SSTDICCC040	BG064049.D	5 Mar 2025 11:43	RC/JU	Ok,M
7	SSTDICC050	BG064050.D	5 Mar 2025 12:23	RC/JU	Ok,M
8	SSTDICC060	BG064051.D	5 Mar 2025 13:04	RC/JU	Ok,M
9	SSTDICC080	BG064052.D	5 Mar 2025 13:44	RC/JU	Ok,M
10	SSTDICV040	BG064053.D	5 Mar 2025 15:10	RC/JU	Ok,M
11	PB166970BL	BG064054.D	5 Mar 2025 15:50	RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG040325

Review By	Rahul	Review On	4/4/2025 11:48:21 AM		
Supervise By	Jagrut	Supervise On	4/4/2025 11:52:54 AM		
SubDirectory	BG040325	HP Acquire Method	BNA_G	HP Processing Method	bg030525

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12657,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BG064163.D	3 Apr 2025 12:24	RC/JU	Ok
2	SSTDCCC040	BG064164.D	3 Apr 2025 13:04	RC/JU	Ok,M
3	PB167380BL	BG064165.D	3 Apr 2025 13:45	RC/JU	Ok
4	PB167380BS	BG064166.D	3 Apr 2025 14:25	RC/JU	Ok,M
5	PB167376BL	BG064167.D	3 Apr 2025 15:13	RC/JU	Ok
6	PB167417BS	BG064168.D	3 Apr 2025 15:54	RC/JU	Ok,M
7	PB167393TB	BG064169.D	3 Apr 2025 16:34	RC/JU	Ok
8	PB167376BS	BG064170.D	3 Apr 2025 17:15	RC/JU	Ok,M
9	PB167393BL	BG064171.D	3 Apr 2025 17:56	RC/JU	Ok
10	PB167376BSD	BG064172.D	3 Apr 2025 18:36	RC/JU	Ok,M
11	PB167393BS	BG064173.D	3 Apr 2025 19:17	RC/JU	Ok,M
12	PB167451BL	BG064174.D	3 Apr 2025 19:58	RC/JU	Ok
13	PB167451BS	BG064175.D	3 Apr 2025 20:38	RC/JU	Ok,M
14	PB167451BSD	BG064176.D	3 Apr 2025 21:19	RC/JU	Ok,M
15	PB167445BS	BG064177.D	3 Apr 2025 22:00	RC/JU	Ok,M
16	Q1690-01	BG064178.D	3 Apr 2025 22:40	RC/JU	Ok
17	DFTPP	BG064179.D	3 Apr 2025 23:21	RC/JU	Ok
18	SSTDCCC040	BG064180.D	4 Apr 2025 00:02	RC/JU	Ok,M
19	PB167445BL	BG064181.D	4 Apr 2025 00:42	RC/JU	Ok
20	PB167408TB	BG064182.D	4 Apr 2025 1:23	RC/JU	Ok
21	Q1680-04	BG064183.D	4 Apr 2025 2:04	RC/JU	Ok

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Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG040325

Review By	Rahul	Review On	4/4/2025 11:48:21 AM		
Supervise By	Jagrut	Supervise On	4/4/2025 11:52:54 AM		
SubDirectory	BG040325	HP Acquire Method	BNA_G	HP Processing Method	bg030525

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12657,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1680-04MS	BG064184.D	4 Apr 2025 2:44	RC/JU	Ok,M
23	Q1680-04MSD	BG064185.D	4 Apr 2025 3:25	RC/JU	Ok,M
24	Q1681-04	BG064186.D	4 Apr 2025 4:05	RC/JU	Ok
25	Q1693-04	BG064187.D	4 Apr 2025 4:46	RC/JU	Ok
26	Q1693-08	BG064188.D	4 Apr 2025 5:26	RC/JU	Ok
27	Q1693-12	BG064189.D	4 Apr 2025 6:07	RC/JU	Ok
28	Q1694-04	BG064190.D	4 Apr 2025 6:47	RC/JU	Ok
29	Q1695-04	BG064191.D	4 Apr 2025 7:27	RC/JU	Ok
30	Q1695-08	BG064192.D	4 Apr 2025 8:08	RC/JU	Ok
31	Q1705-02	BG064193.D	4 Apr 2025 8:48	RC/JU	Ok
32	Q1705-01	BG064194.D	4 Apr 2025 9:28	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG030525

Review By	Jagrut	Review On	3/6/2025 5:46:57 PM		
Supervise By	mohammad	Supervise On	3/7/2025 6:01:50 AM		
SubDirectory	BG030525	HP Acquire Method	BNA_G	HP Processing Method	bg030525

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12653,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BG064044.D	5 Mar 2025 8:15		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BG064045.D	5 Mar 2025 9:02		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BG064046.D	5 Mar 2025 9:42	Compound#32,54,56,65,70,85 removed from 5 ppm	RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BG064047.D	5 Mar 2025 10:22		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BG064048.D	5 Mar 2025 11:03	Compound#32,51,54,57,65,80 Kept on LR & Compound#26,48 Kept on QR	RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BG064049.D	5 Mar 2025 11:43	Calibration is good for 8270 E and 8270 DOD. Benzidine failed in the Calibration.	RC/JU	Ok,M
7	SSTDICC050	SSTDICC050	BG064050.D	5 Mar 2025 12:23		RC/JU	Ok,M
8	SSTDICC060	SSTDICC060	BG064051.D	5 Mar 2025 13:04	Compound#69 removed from 60 ppm	RC/JU	Ok,M
9	SSTDICC080	SSTDICC080	BG064052.D	5 Mar 2025 13:44	Compound#9,69 removed from 80 ppm	RC/JU	Ok,M
10	SSTDICV040	ICVBG030525	BG064053.D	5 Mar 2025 15:10		RC/JU	Ok,M
11	PB166970BL	PB166970BL	BG064054.D	5 Mar 2025 15:50		RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG040325

Review By	Rahul	Review On	4/4/2025 11:48:21 AM		
Supervise By	Jagrut	Supervise On	4/4/2025 11:52:54 AM		
SubDirectory	BG040325	HP Acquire Method	BNA_G	HP Processing Method	bg030525

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12657,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BG064163.D	3 Apr 2025 12:24		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BG064164.D	3 Apr 2025 13:04		RC/JU	Ok,M
3	PB167380BL	PB167380BL	BG064165.D	3 Apr 2025 13:45		RC/JU	Ok
4	PB167380BS	PB167380BS	BG064166.D	3 Apr 2025 14:25		RC/JU	Ok,M
5	PB167376BL	PB167376BL	BG064167.D	3 Apr 2025 15:13		RC/JU	Ok
6	PB167417BS	PB167417BS	BG064168.D	3 Apr 2025 15:54		RC/JU	Ok,M
7	PB167393TB	PB167393TB	BG064169.D	3 Apr 2025 16:34		RC/JU	Ok
8	PB167376BS	PB167376BS	BG064170.D	3 Apr 2025 17:15		RC/JU	Ok,M
9	PB167393BL	PB167393BL	BG064171.D	3 Apr 2025 17:56		RC/JU	Ok
10	PB167376BSD	PB167376BSD	BG064172.D	3 Apr 2025 18:36		RC/JU	Ok,M
11	PB167393BS	PB167393BS	BG064173.D	3 Apr 2025 19:17		RC/JU	Ok,M
12	PB167451BL	PB167451BL	BG064174.D	3 Apr 2025 19:58		RC/JU	Ok
13	PB167451BS	PB167451BS	BG064175.D	3 Apr 2025 20:38		RC/JU	Ok,M
14	PB167451BSD	PB167451BSD	BG064176.D	3 Apr 2025 21:19		RC/JU	Ok,M
15	PB167445BS	PB167445BS	BG064177.D	3 Apr 2025 22:00		RC/JU	Ok,M
16	Q1690-01	MW112010	BG064178.D	3 Apr 2025 22:40	Surrogate Fail	RC/JU	Ok
17	DFTPP	DFTPP	BG064179.D	3 Apr 2025 23:21		RC/JU	Ok
18	SSTDCCC040	SSTDCCC040	BG064180.D	4 Apr 2025 00:02		RC/JU	Ok,M

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Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG040325

Review By	Rahul	Review On	4/4/2025 11:48:21 AM		
Supervise By	Jagrut	Supervise On	4/4/2025 11:52:54 AM		
SubDirectory	BG040325	HP Acquire Method	BNA_G	HP Processing Method	bg030525

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12657,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	PB167445BL	PB167445BL	BG064181.D	4 Apr 2025 00:42		RC/JU	Ok
20	PB167408TB	PB167408TB	BG064182.D	4 Apr 2025 1:23		RC/JU	Ok
21	Q1680-04	TP-4	BG064183.D	4 Apr 2025 2:04		RC/JU	Ok
22	Q1680-04MS	TP-4MS	BG064184.D	4 Apr 2025 2:44		RC/JU	Ok,M
23	Q1680-04MSD	TP-4MSD	BG064185.D	4 Apr 2025 3:25		RC/JU	Ok,M
24	Q1681-04	TP-12	BG064186.D	4 Apr 2025 4:05		RC/JU	Ok
25	Q1693-04	WCS-TP-3	BG064187.D	4 Apr 2025 4:46		RC/JU	Ok
26	Q1693-08	WCS-TP-2	BG064188.D	4 Apr 2025 5:26		RC/JU	Ok
27	Q1693-12	WCS-TP-1	BG064189.D	4 Apr 2025 6:07		RC/JU	Ok
28	Q1694-04	TP-18	BG064190.D	4 Apr 2025 6:47		RC/JU	Ok
29	Q1695-04	TT-2	BG064191.D	4 Apr 2025 7:27		RC/JU	Ok
30	Q1695-08	TT-3	BG064192.D	4 Apr 2025 8:08		RC/JU	Ok
31	Q1705-02	ETGI-275	BG064193.D	4 Apr 2025 8:48		RC/JU	Ok
32	Q1705-01	ETGI-327	BG064194.D	4 Apr 2025 9:28		RC/JU	Ok

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB167451

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 : 04/03/2025

Extraction Start Time : 10:10

Extraction End Date : 04/03/2025

Extraction End Time : 15:05

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	SP6720
Surrogate	1.0ML	100/150 PPM	SP6638
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	E3904
Baked Na2SO4	N/A	EP2595
10N NaoH	N/A	EP2559
H2SO4 1:1	N/A	EP2565
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

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

KD Bath ID: WATER BATH-1,2

KD Bath Temperature: 60 °C

Envap ID: NEVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
04/03/25	RP (EA-Lab)	RC/SVOC
15:10	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB167451

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

Concentration Date: 04/03/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167451BL	SBLK451	SVOC-TCL BNA -20	1000	6	ritesh	rajesh	1			SEP-13
PB167451BS	SLCS451	SVOC-TCL BNA -20	1000	6	ritesh	rajesh	1			14
PB167451BSD	SLCSD451	SVOC-TCL BNA -20	1000	6	ritesh	rajesh	1			15
Q1690-01	MW112010	SVOC-TCL BNA -20	1000	6	ritesh	rajesh	1	D		16

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

4/3/25

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1690 **WorkList ID :** 188716 **Department :** Extraction **Date :** 04-03-2025 10:09:17

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1690-01	MW112010	Water	SVOC-TCL BNA -20	Cool 4 deg C	GENV01	I31	03/31/2025	8270E

Date/Time 04/03/25 10:09

Raw Sample Received by: RJ (Ext Lab)

Raw Sample Relinquished by: RC (Sun)

Date/Time 04/03/25 10:20

Raw Sample Received by: RC (Sun)

Raw Sample Relinquished by: RJ (Ext Lab)

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LAB CHRONICLE

OrderID:	Q1690	**OrderDate:**	4/1/2025 12:32:10 PM
Client:	G Environmental	**Project:**	TGP
Contact:	Gary Landis	**Location:**	I31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1690-01	**MW112010**	**Water**			**03/31/25**			**04/01/25**
			SVOC-SIMGroup1	8270-Modified		04/02/25	04/03/25	
			SVOC-TCL BNA -20	8270E		04/03/25	04/03/25	