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

Hit Summary Sheet
SW-846

SDG No.: Q2073

Client: G Environmental

Sample ID	Client ID		Parameter		Concentration	C	MDL	RDL	Units
Client ID : GDW1									
Q2073-01	GDW1	WATER	2-Pentanone, 4-hydroxy-4-methyl	*	3.600	AB	0	0	ug/L
Q2073-01	GDW1	WATER	Benzophenone	*	3.000	J	0	0	ug/L
			Total Tics :				**6.60**		
			Total Concentration:				**6.60**		
Client ID : GDW2									
Q2073-02	GDW2	WATER	Caprolactam		5.800	J	1.2	10.3	ug/L
			Total Svoc :				**5.80**		
Q2073-02	GDW2	WATER	2-Pentanone, 4-hydroxy-4-methyl	*	3.100	AB	0	0	ug/L
Q2073-02	GDW2	WATER	Benzophenone	*	3.700	J	0	0	ug/L
			Total Tics :				**6.80**		
			Total Concentration:				**12.60**		

SAMPLE DATA

Raw Data: **BP024800.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:	05/16/25
Project:	Nelson	Date Received:	05/16/25
Client Sample ID:	GDW1	SDG No.:	Q2073
Lab Sample ID:	Q2073-01	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group2
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
BP024800.D	1	05/21/25 08:40	05/23/25 19:51	PB168098

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	4.00	U	4.00	10.2	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.83	U	0.83	5.10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.30	U	1.30	5.10	ug/L
98-86-2	Acetophenone	0.76	U	0.76	5.10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.40	U	1.40	2.60	ug/L
67-72-1	Hexachloroethane	0.66	U	0.66	5.10	ug/L
98-95-3	Nitrobenzene	0.78	U	0.78	5.10	ug/L
78-59-1	Isophorone	0.77	U	0.77	5.10	ug/L
111-91-1	bis(2-Chloroethoxy)methane	0.69	U	0.69	5.10	ug/L
91-20-3	Naphthalene	0.51	U	0.51	5.10	ug/L
106-47-8	4-Chloroaniline	0.86	UQ	0.86	5.10	ug/L
87-68-3	Hexachlorobutadiene	0.55	U	0.55	5.10	ug/L
105-60-2	Caprolactam	1.20	U	1.20	10.2	ug/L
91-57-6	2-Methylnaphthalene	0.57	U	0.57	5.10	ug/L
77-47-4	Hexachlorocyclopentadiene	3.70	U	3.70	10.2	ug/L
92-52-4	1,1-Biphenyl	0.54	U	0.54	5.10	ug/L
91-58-7	2-Chloronaphthalene	0.62	U	0.62	5.10	ug/L
88-74-4	2-Nitroaniline	1.30	U	1.30	5.10	ug/L
131-11-3	Dimethylphthalate	0.62	U	0.62	5.10	ug/L
208-96-8	Acenaphthylene	0.77	U	0.77	5.10	ug/L
606-20-2	2,6-Dinitrotoluene	0.94	U	0.94	5.10	ug/L
99-09-2	3-Nitroaniline	1.10	UQ	1.10	5.10	ug/L
83-32-9	Acenaphthene	0.56	U	0.56	5.10	ug/L
132-64-9	Dibenzofuran	0.62	U	0.62	5.10	ug/L
121-14-2	2,4-Dinitrotoluene	1.20	U	1.20	5.10	ug/L
84-66-2	Diethylphthalate	0.70	U	0.70	5.10	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.69	U	0.69	5.10	ug/L
86-73-7	Fluorene	0.64	U	0.64	5.10	ug/L
100-01-6	4-Nitroaniline	1.50	U	1.50	5.10	ug/L

Raw Data: **BP024800.D**

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Report of Analysis

Client:	G Environmental			Date Collected:	05/16/25
Project:	Nelson			Date Received:	05/16/25
Client Sample ID:	GDW1			SDG No.:	Q2073
Lab Sample ID:	Q2073-01			Matrix:	Water
Analytical Method:	8270E			% Solid:	0
Sample Wt/Vol:	980	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group2
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
BP024800.D	1	05/21/25 08:40	05/23/25 19:51	PB168098

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
86-30-6	n-Nitrosodiphenylamine	0.59	U	0.59	5.10	ug/L
101-55-3	4-Bromophenyl-phenylether	0.41	U	0.41	5.10	ug/L
118-74-1	Hexachlorobenzene	0.53	U	0.53	5.10	ug/L
1912-24-9	Atrazine	1.00	U	1.00	5.10	ug/L
85-01-8	Phenanthrene	0.51	U	0.51	5.10	ug/L
120-12-7	Anthracene	0.62	U	0.62	5.10	ug/L
86-74-8	Carbazole	0.73	U	0.73	5.10	ug/L
84-74-2	Di-n-butylphthalate	1.20	U	1.20	5.10	ug/L
206-44-0	Fluoranthene	0.84	U	0.84	5.10	ug/L
129-00-0	Pyrene	0.51	U	0.51	5.10	ug/L
85-68-7	Butylbenzylphthalate	2.00	U	2.00	5.10	ug/L
91-94-1	3,3-Dichlorobenzidine	0.95	UQ	0.95	10.2	ug/L
56-55-3	Benzo(a)anthracene	0.46	U	0.46	5.10	ug/L
218-01-9	Chrysene	0.45	U	0.45	5.10	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.60	U	1.60	5.10	ug/L
117-84-0	Di-n-octyl phthalate	2.40	U	2.40	10.2	ug/L
205-99-2	Benzo(b)fluoranthene	0.50	U	0.50	5.10	ug/L
207-08-9	Benzo(k)fluoranthene	0.49	U	0.49	5.10	ug/L
50-32-8	Benzo(a)pyrene	0.56	U	0.56	5.10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.60	U	0.60	5.10	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.68	U	0.68	5.10	ug/L
191-24-2	Benzo(g,h,i)perylene	0.70	U	0.70	5.10	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	0.53	U	0.53	5.10	ug/L
123-91-1	1,4-Dioxane	1.00	U	1.00	5.10	ug/L
SURROGATES						
4165-60-0	Nitrobenzene-d5	63.3		30 (49) - 130 (133)	63%	SPK: 100
321-60-8	2-Fluorobiphenyl	63.7		30 (52) - 130 (132)	64%	SPK: 100
1718-51-0	Terphenyl-d14	84.3		30 (48) - 130 (125)	84%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	101000	7.652			

Raw Data: **BP024800.D**

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

Client:	G Environmental			Date Collected:	05/16/25
Project:	Nelson			Date Received:	05/16/25
Client Sample ID:	GDW1			SDG No.:	Q2073
Lab Sample ID:	Q2073-01			Matrix:	Water
Analytical Method:	8270E			% Solid:	0
Sample Wt/Vol:	980	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group2
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
BP024800.D	1	05/21/25 08:40	05/23/25 19:51	PB168098

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1146-65-2	Naphthalene-d8	399000	10.416			
15067-26-2	Acenaphthene-d10	288000	14.281			
1517-22-2	Phenanthrene-d10	617000	17.081			
1719-03-5	Chrysene-d12	728000	21.504			
1520-96-3	Perylene-d12	817000	24.798			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.60	AB		4.82	ug/L
000119-61-9	Benzophenone	3.00	J		15.7	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

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

Client:	G Environmental	Date Collected:	05/16/25
Project:	Nelson	Date Received:	05/16/25
Client Sample ID:	GDW2	SDG No.:	Q2073
Lab Sample ID:	Q2073-02	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	970 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group2
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
BP024801.D	1	05/21/25 08:40	05/23/25 20:32	PB168098

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	4.00	U	4.00	10.3	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.84	U	0.84	5.20	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.30	U	1.30	5.20	ug/L
98-86-2	Acetophenone	0.76	U	0.76	5.20	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.50	U	1.50	2.60	ug/L
67-72-1	Hexachloroethane	0.67	U	0.67	5.20	ug/L
98-95-3	Nitrobenzene	0.78	U	0.78	5.20	ug/L
78-59-1	Isophorone	0.77	U	0.77	5.20	ug/L
111-91-1	bis(2-Chloroethoxy)methane	0.70	U	0.70	5.20	ug/L
91-20-3	Naphthalene	0.52	U	0.52	5.20	ug/L
106-47-8	4-Chloroaniline	0.87	UQ	0.87	5.20	ug/L
87-68-3	Hexachlorobutadiene	0.56	U	0.56	5.20	ug/L
105-60-2	Caprolactam	5.80	J	1.20	10.3	ug/L
91-57-6	2-Methylnaphthalene	0.58	U	0.58	5.20	ug/L
77-47-4	Hexachlorocyclopentadiene	3.70	U	3.70	10.3	ug/L
92-52-4	1,1-Biphenyl	0.55	U	0.55	5.20	ug/L
91-58-7	2-Chloronaphthalene	0.63	U	0.63	5.20	ug/L
88-74-4	2-Nitroaniline	1.30	U	1.30	5.20	ug/L
131-11-3	Dimethylphthalate	0.63	U	0.63	5.20	ug/L
208-96-8	Acenaphthylene	0.77	U	0.77	5.20	ug/L
606-20-2	2,6-Dinitrotoluene	0.95	U	0.95	5.20	ug/L
99-09-2	3-Nitroaniline	1.10	UQ	1.10	5.20	ug/L
83-32-9	Acenaphthene	0.57	U	0.57	5.20	ug/L
132-64-9	Dibenzofuran	0.63	U	0.63	5.20	ug/L
121-14-2	2,4-Dinitrotoluene	1.30	U	1.30	5.20	ug/L
84-66-2	Diethylphthalate	0.71	U	0.71	5.20	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.70	U	0.70	5.20	ug/L
86-73-7	Fluorene	0.65	U	0.65	5.20	ug/L
100-01-6	4-Nitroaniline	1.50	U	1.50	5.20	ug/L

Raw Data: **BP024801.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:	05/16/25
Project:	Nelson			Date Received:	05/16/25
Client Sample ID:	GDW2			SDG No.:	Q2073
Lab Sample ID:	Q2073-02			Matrix:	Water
Analytical Method:	8270E			% Solid:	0
Sample Wt/Vol:	970	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group2
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
BP024801.D	1	05/21/25 08:40	05/23/25 20:32	PB168098

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
86-30-6	n-Nitrosodiphenylamine	0.60	U	0.60	5.20	ug/L
101-55-3	4-Bromophenyl-phenylether	0.41	U	0.41	5.20	ug/L
118-74-1	Hexachlorobenzene	0.54	U	0.54	5.20	ug/L
1912-24-9	Atrazine	1.00	U	1.00	5.20	ug/L
85-01-8	Phenanthrene	0.52	U	0.52	5.20	ug/L
120-12-7	Anthracene	0.63	U	0.63	5.20	ug/L
86-74-8	Carbazole	0.74	U	0.74	5.20	ug/L
84-74-2	Di-n-butylphthalate	1.30	U	1.30	5.20	ug/L
206-44-0	Fluoranthene	0.85	U	0.85	5.20	ug/L
129-00-0	Pyrene	0.52	U	0.52	5.20	ug/L
85-68-7	Butylbenzylphthalate	2.00	U	2.00	5.20	ug/L
91-94-1	3,3-Dichlorobenzidine	0.96	UQ	0.96	10.3	ug/L
56-55-3	Benzo(a)anthracene	0.46	U	0.46	5.20	ug/L
218-01-9	Chrysene	0.45	U	0.45	5.20	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.60	U	1.60	5.20	ug/L
117-84-0	Di-n-octyl phthalate	2.40	U	2.40	10.3	ug/L
205-99-2	Benzo(b)fluoranthene	0.51	U	0.51	5.20	ug/L
207-08-9	Benzo(k)fluoranthene	0.49	U	0.49	5.20	ug/L
50-32-8	Benzo(a)pyrene	0.57	U	0.57	5.20	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.61	U	0.61	5.20	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.69	U	0.69	5.20	ug/L
191-24-2	Benzo(g,h,i)perylene	0.71	U	0.71	5.20	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	0.54	U	0.54	5.20	ug/L
123-91-1	1,4-Dioxane	1.00	U	1.00	5.20	ug/L
SURROGATES						
4165-60-0	Nitrobenzene-d5	68.2		30 (49) - 130 (133)	68%	SPK: 100
321-60-8	2-Fluorobiphenyl	67.7		30 (52) - 130 (132)	68%	SPK: 100
1718-51-0	Terphenyl-d14	78.0		30 (48) - 130 (125)	78%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	87300	7.652			

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	G Environmental			Date Collected:	05/16/25
Project:	Nelson			Date Received:	05/16/25
Client Sample ID:	GDW2			SDG No.:	Q2073
Lab Sample ID:	Q2073-02			Matrix:	Water
Analytical Method:	8270E			% Solid:	0
Sample Wt/Vol:	970	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group2
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
BP024801.D	1	05/21/25 08:40	05/23/25 20:32	PB168098

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1146-65-2	Naphthalene-d8	334000	10.416			
15067-26-2	Acenaphthene-d10	218000	14.287			
1517-22-2	Phenanthrene-d10	467000	17.092			
1719-03-5	Chrysene-d12	546000	21.522			
1520-96-3	Perylene-d12	657000	24.81			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.10	AB		4.82	ug/L
000119-61-9	Benzophenone	3.70	J		15.7	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.: Q2073

Client: G Environmental

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB168098BL	PB168098BL	Nitrobenzene-d5	100	75.0	75		30 (49)	130 (133)
		2-Fluorobiphenyl	100	77.3	77		30 (52)	130 (132)
		Terphenyl-d14	100	83.0	83		30 (48)	130 (125)
PB168098BS	PB168098BS	Nitrobenzene-d5	100	72.8	73		30 (49)	130 (133)
		2-Fluorobiphenyl	100	76.3	76		30 (52)	130 (132)
		Terphenyl-d14	100	77.9	78		30 (48)	130 (125)
PB168098BSD	PB168098BSD	Nitrobenzene-d5	100	73.9	74		30 (49)	130 (133)
		2-Fluorobiphenyl	100	76.8	77		30 (52)	130 (132)
		Terphenyl-d14	100	81.5	81		30 (48)	130 (125)
Q2073-01	GDW1	Nitrobenzene-d5	100	63.3	63		30 (49)	130 (133)
		2-Fluorobiphenyl	100	63.7	64		30 (52)	130 (132)
		Terphenyl-d14	100	84.3	84		30 (48)	130 (125)
Q2073-02	GDW2	Nitrobenzene-d5	100	68.2	68		30 (49)	130 (133)
		2-Fluorobiphenyl	100	67.7	68		30 (52)	130 (132)
		Terphenyl-d14	100	78.0	78		30 (48)	130 (125)

( ) = LABORATORY INHOUSE LIMIT

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2073

Client: G Environmental

Analytical Method: 8270E **DataFile:** BP024755.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB168098BS	Benzaldehyde	50	34.3	ug/L	69				20 (10)	160 (162)	
	Phenol	50	42.7	ug/L	85				20 (66)	160 (118)	
	bis(2-Chloroethyl)ether	50	37.4	ug/L	75				70 (62)	130 (103)	
	2-Chlorophenol	50	44.8	ug/L	90				70 (70)	130 (117)	
	2-Methylphenol	50	42.4	ug/L	85				70 (69)	130 (109)	
	2,2-oxybis(1-Chloropropane)	50	37.1	ug/L	74				70 (65)	130 (100)	
	Acetophenone	50	41.6	ug/L	83				70 (60)	130 (104)	
	3+4-Methylphenols	50	41.5	ug/L	83				20 (67)	160 (106)	
	N-Nitroso-di-n-propylamine	50	36.0	ug/L	72				70 (57)	130 (107)	
	Hexachloroethane	50	40.0	ug/L	80				20 (76)	160 (118)	
	Nitrobenzene	50	41.3	ug/L	83				70 (58)	130 (106)	
	Isophorone	50	38.8	ug/L	78				70 (61)	130 (102)	
	2-Nitrophenol	50	47.2	ug/L	94				70 (70)	130 (115)	
	2,4-Dimethylphenol	50	45.2	ug/L	90				70 (42)	130 (142)	
	bis(2-Chloroethoxy)methane	50	39.5	ug/L	79				70 (58)	130 (109)	
	2,4-Dichlorophenol	50	46.8	ug/L	94				70 (66)	130 (115)	
	Naphthalene	50	43.0	ug/L	86				70 (64)	130 (107)	
	4-Chloroaniline	50	17.3	ug/L	35		*		70 (10)	130 (85)	
	Hexachlorobutadiene	50	44.1	ug/L	88				70 (69)	130 (101)	
	Caprolactam	50	42.6	ug/L	85				20 (58)	160 (128)	
	4-Chloro-3-methylphenol	50	44.4	ug/L	89				70 (65)	130 (114)	
	2-Methylnaphthalene	50	41.6	ug/L	83				70 (64)	130 (107)	
	Hexachlorocyclopentadiene	100	80.6	ug/L	81				20 (36)	160 (160)	
	2,4,6-Trichlorophenol	50	47.8	ug/L	96				70 (61)	130 (110)	
	2,4,5-Trichlorophenol	50	46.5	ug/L	93				70 (70)	130 (106)	
	1,1-Biphenyl	50	42.9	ug/L	86				70 (72)	130 (98)	
	2-Chloronaphthalene	50	43.4	ug/L	87				70 (59)	130 (106)	
	2-Nitroaniline	50	43.0	ug/L	86				70 (73)	130 (114)	
	Dimethylphthalate	50	42.1	ug/L	84				70 (64)	130 (103)	
	Acenaphthylene	50	42.4	ug/L	85				70 (79)	130 (103)	
	2,6-Dinitrotoluene	50	43.8	ug/L	88				70 (64)	130 (110)	
	3-Nitroaniline	50	20.5	ug/L	41		*		70 (28)	130 (100)	
	Acenaphthene	50	42.1	ug/L	84				70 (59)	130 (113)	
	2,4-Dinitrophenol	100	90.4	ug/L	90				20 (36)	160 (166)	
	4-Nitrophenol	100	77.9	ug/L	78				20 (45)	160 (147)	
	Dibenzofuran	50	43.3	ug/L	87				70 (65)	130 (106)	
	2,4-Dinitrotoluene	50	46.5	ug/L	93				70 (60)	130 (115)	
	Diethylphthalate	50	43.5	ug/L	87				70 (63)	130 (105)	
	4-Chlorophenyl-phenylether	50	43.9	ug/L	88				70 (61)	130 (104)	
	Fluorene	50	44.1	ug/L	88				70 (64)	130 (107)	
	4-Nitroaniline	50	46.3	ug/L	93				70 (55)	130 (125)	
	4,6-Dinitro-2-methylphenol	50	47.0	ug/L	94				70 (62)	130 (132)	
	N-Nitrosodiphenylamine	50	43.9	ug/L	88				70 (61)	130 (109)	
	4-Bromophenyl-phenylether	50	45.8	ug/L	92				70 (73)	130 (103)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2073

Client: G Environmental

Analytical Method: 8270E **DataFile:** BP024755.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB168098BS	Hexachlorobenzene	50	45.5	ug/L	91				70 (73)	130 (106)	
	Atrazine	50	46.4	ug/L	93				70 (76)	130 (120)	
	Pentachlorophenol	100	110	ug/L	110				20 (47)	160 (114)	
	Phenanthrene	50	43.2	ug/L	86				70 (62)	130 (109)	
	Anthracene	50	44.5	ug/L	89				70 (65)	130 (110)	
	Carbazole	50	45.5	ug/L	91				70 (62)	130 (106)	
	Di-n-butylphthalate	50	44.8	ug/L	90				70 (64)	130 (106)	
	Fluoranthene	50	46.0	ug/L	92				70 (64)	130 (110)	
	Pyrene	50	44.5	ug/L	89				70 (71)	130 (103)	
	Butylbenzylphthalate	50	46.1	ug/L	92				70 (61)	130 (105)	
	3,3-Dichlorobenzidine	50	31.3	ug/L	63		*		70 (43)	130 (108)	
	Benzo(a)anthracene	50	43.9	ug/L	88				70 (62)	130 (107)	
	Chrysene	50	44.1	ug/L	88				70 (61)	130 (108)	
	bis(2-Ethylhexyl)phthalate	50	44.2	ug/L	88				70 (59)	130 (110)	
	Di-n-octyl phthalate	50	46.3	ug/L	93				70 (52)	130 (139)	
	Benzo(b)fluoranthene	50	44.2	ug/L	88				70 (77)	130 (113)	
	Benzo(k)fluoranthene	50	44.0	ug/L	88				70 (77)	130 (105)	
	Benzo(a)pyrene	50	44.8	ug/L	90				70 (72)	130 (131)	
	Indeno(1,2,3-cd)pyrene	50	45.7	ug/L	91				70 (72)	130 (105)	
	Dibenz(a,h)anthracene	50	46.0	ug/L	92				70 (78)	130 (115)	
	Benzo(g,h,i)perylene	50	44.9	ug/L	90				70 (75)	130 (118)	
	1,2,4,5-Tetrachlorobenzene	50	44.9	ug/L	90				70 (72)	130 (101)	
	1,4-Dioxane	50	31.3	ug/L	63				20 (38)	160 (125)	
	2,3,4,6-Tetrachlorophenol	50	45.7	ug/L	91				70 (63)	130 (116)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2073

Client: G Environmental

Analytical Method: 8270E **DataFile:** BP024756.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB168098BSD	Benzaldehyde	50	36.2	ug/L	72	5			20 (10)	160 (162)	20 (20)
	Phenol	50	46.0	ug/L	92	7			20 (66)	160 (118)	20 (20)
	bis(2-Chloroethyl)ether	50	40.2	ug/L	80	7			70 (62)	130 (103)	20 (20)
	2-Chlorophenol	50	47.7	ug/L	95	6			70 (70)	130 (117)	20 (20)
	2-Methylphenol	50	46.4	ug/L	93	9			70 (69)	130 (109)	20 (20)
	2,2-oxybis(1-Chloropropane)	50	39.6	ug/L	79	7			70 (65)	130 (100)	20 (20)
	Acetophenone	50	42.3	ug/L	85	2			70 (60)	130 (104)	20 (20)
	3+4-Methylphenols	50	45.5	ug/L	91	9			20 (67)	160 (106)	20 (20)
	N-Nitroso-di-n-propylamine	50	39.1	ug/L	78	8			70 (57)	130 (107)	20 (20)
	Hexachloroethane	50	41.6	ug/L	83	4			20 (76)	160 (118)	20 (20)
	Nitrobenzene	50	42.0	ug/L	84	2			70 (58)	130 (106)	20 (20)
	Isophorone	50	40.8	ug/L	82	5			70 (61)	130 (102)	20 (20)
	2-Nitrophenol	50	48.8	ug/L	98	3			70 (70)	130 (115)	20 (20)
	2,4-Dimethylphenol	50	46.9	ug/L	94	4			70 (42)	130 (142)	20 (20)
	bis(2-Chloroethoxy)methane	50	41.2	ug/L	82	4			70 (58)	130 (109)	20 (20)
	2,4-Dichlorophenol	50	49.2	ug/L	98	5			70 (66)	130 (115)	20 (20)
	Naphthalene	50	43.4	ug/L	87	1			70 (64)	130 (107)	20 (20)
	4-Chloroaniline	50	15.2	ug/L	30	13	*		70 (10)	130 (85)	20 (20)
	Hexachlorobutadiene	50	45.0	ug/L	90	2			70 (69)	130 (101)	20 (20)
	Caprolactam	50	45.8	ug/L	92	7			20 (58)	160 (128)	20 (20)
	4-Chloro-3-methylphenol	50	47.0	ug/L	94	6			70 (65)	130 (114)	20 (20)
	2-Methylnaphthalene	50	43.0	ug/L	86	3			70 (64)	130 (107)	20 (20)
	Hexachlorocyclopentadiene	100	85.2	ug/L	85	6			20 (36)	160 (160)	20 (20)
	2,4,6-Trichlorophenol	50	49.4	ug/L	99	3			70 (61)	130 (110)	20 (20)
	2,4,5-Trichlorophenol	50	49.2	ug/L	98	6			70 (70)	130 (106)	20 (20)
	1,1-Biphenyl	50	43.6	ug/L	87	2			70 (72)	130 (98)	20 (20)
	2-Chloronaphthalene	50	43.7	ug/L	87	1			70 (59)	130 (106)	20 (20)
	2-Nitroaniline	50	44.1	ug/L	88	3			70 (73)	130 (114)	20 (20)
	Dimethylphthalate	50	44.3	ug/L	89	5			70 (64)	130 (103)	20 (20)
	Acenaphthylene	50	43.6	ug/L	87	3			70 (79)	130 (103)	20 (20)
	2,6-Dinitrotoluene	50	45.5	ug/L	91	4			70 (64)	130 (110)	20 (20)
	3-Nitroaniline	50	21.1	ug/L	42	3	*		70 (28)	130 (100)	20 (20)
	Acenaphthene	50	43.5	ug/L	87	3			70 (59)	130 (113)	20 (20)
	2,4-Dinitrophenol	100	92.6	ug/L	93	2			20 (36)	160 (166)	20 (20)
	4-Nitrophenol	100	83.4	ug/L	83	7			20 (45)	160 (147)	20 (20)
	Dibenzofuran	50	44.0	ug/L	88	2			70 (65)	130 (106)	20 (20)
	2,4-Dinitrotoluene	50	47.5	ug/L	95	2			70 (60)	130 (115)	20 (20)
	Diethylphthalate	50	45.4	ug/L	91	4			70 (63)	130 (105)	20 (20)
	4-Chlorophenyl-phenylether	50	45.9	ug/L	92	4			70 (61)	130 (104)	20 (20)
	Fluorene	50	44.9	ug/L	90	2			70 (64)	130 (107)	20 (20)
	4-Nitroaniline	50	47.3	ug/L	95	2			70 (55)	130 (125)	20 (20)
	4,6-Dinitro-2-methylphenol	50	49.3	ug/L	99	5			70 (62)	130 (132)	20 (20)
	N-Nitrosodiphenylamine	50	45.6	ug/L	91	4			70 (61)	130 (109)	20 (20)
	4-Bromophenyl-phenylether	50	46.8	ug/L	94	2			70 (73)	130 (103)	20 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2073

Client: G Environmental

Analytical Method: 8270E **DataFile:** BP024756.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB168098BSD	Hexachlorobenzene	50	46.7	ug/L	93	3			70 (73)	130 (106)	20 (20)
	Atrazine	50	48.4	ug/L	97	4			70 (76)	130 (120)	20 (20)
	Pentachlorophenol	100	110	ug/L	110	0			20 (47)	160 (114)	20 (20)
	Phenanthrene	50	44.0	ug/L	88	2			70 (62)	130 (109)	20 (20)
	Anthracene	50	45.1	ug/L	90	1			70 (65)	130 (110)	20 (20)
	Carbazole	50	46.6	ug/L	93	2			70 (62)	130 (106)	20 (20)
	Di-n-butylphthalate	50	47.2	ug/L	94	5			70 (64)	130 (106)	20 (20)
	Fluoranthene	50	45.8	ug/L	92	0			70 (64)	130 (110)	20 (20)
	Pyrene	50	45.6	ug/L	91	2			70 (71)	130 (103)	20 (20)
	Butylbenzylphthalate	50	48.5	ug/L	97	5			70 (61)	130 (105)	20 (20)
	3,3-Dichlorobenzidine	50	30.4	ug/L	61	3	*		70 (43)	130 (108)	20 (20)
	Benzo(a)anthracene	50	45.5	ug/L	91	4			70 (62)	130 (107)	20 (20)
	Chrysene	50	44.4	ug/L	89	1			70 (61)	130 (108)	20 (20)
	bis(2-Ethylhexyl)phthalate	50	49.1	ug/L	98	11			70 (59)	130 (110)	20 (20)
	Di-n-octyl phthalate	50	49.6	ug/L	99	7			70 (52)	130 (139)	20 (20)
	Benzo(b)fluoranthene	50	46.7	ug/L	93	6			70 (77)	130 (113)	20 (20)
	Benzo(k)fluoranthene	50	45.6	ug/L	91	4			70 (77)	130 (105)	20 (20)
	Benzo(a)pyrene	50	46.1	ug/L	92	3			70 (72)	130 (131)	20 (20)
	Indeno(1,2,3-cd)pyrene	50	44.8	ug/L	90	2			70 (72)	130 (105)	20 (20)
	Dibenz(a,h)anthracene	50	45.2	ug/L	90	2			70 (78)	130 (115)	20 (20)
	Benzo(g,h,i)perylene	50	43.9	ug/L	88	2			70 (75)	130 (118)	20 (20)
	1,2,4,5-Tetrachlorobenzene	50	45.3	ug/L	91	1			70 (72)	130 (101)	20 (20)
	1,4-Dioxane	50	30.9	ug/L	62	1			20 (38)	160 (125)	20 (20)
	2,3,4,6-Tetrachlorophenol	50	48.3	ug/L	97	6			70 (63)	130 (116)	20 (20)

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168098BL

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2073 SAS No.: Q2073 SDG NO.: Q2073

Lab File ID: BP024754.D Lab Sample ID: PB168098BL

Instrument ID: BNA_P Date Extracted: 05/21/2025

Matrix: (soil/water) Water Date Analyzed: 05/22/2025

Level: (low/med) LOW Time Analyzed: 11:37

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB168098BS	PB168098BS	BP024755.D	05/22/2025
PB168098BSD	PB168098BSD	BP024756.D	05/22/2025
GDW1	Q2073-01	BP024800.D	05/23/2025
GDW2	Q2073-02	BP024801.D	05/23/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM SAS No.: Q2073 SDG NO.: Q2073

Lab File ID: BP024613.D DFTPP Injection Date: 05/13/2025

Instrument ID: BNA_P DFTPP Injection Time: 10:00

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	33.5
68	Less than 2.0% of mass 69	0.2 (0.6) 1
69	Mass 69 relative abundance	36.2
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	49.3
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	33.1
365	Greater than 1% of mass 198	5.4
441	Present, but less than mass 443	19.4
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.4 (19.4) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BP024614.D	05/13/2025	10:41
SSTDICC005	SSTDICC005	BP024615.D	05/13/2025	11:22
SSTDICC010	SSTDICC010	BP024616.D	05/13/2025	12:03
SSTDICC020	SSTDICC020	BP024617.D	05/13/2025	12:43
SSTDICCC040	SSTDICCC040	BP024618.D	05/13/2025	13:24
SSTDICC050	SSTDICC050	BP024619.D	05/13/2025	14:05
SSTDICC060	SSTDICC060	BP024620.D	05/13/2025	14:45
SSTDICC080	SSTDICC080	BP024621.D	05/13/2025	15:26

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM SAS No.: Q2073 SDG NO.: Q2073

Lab File ID: BP024752.D DFTPP Injection Date: 05/22/2025

Instrument ID: BNA_P DFTPP Injection Time: 09:35

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	30.1
68	Less than 2.0% of mass 69	0.3 (1.3) 1
69	Mass 69 relative abundance	32.0
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	46.0
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7.0
275	10.0 - 60.0% of mass 198	33.7
365	Greater than 1% of mass 198	5.4
441	Present, but less than mass 443	22.4
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.6 (19.6) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BP024753.D	05/22/2025	10:56
PB168098BL	PB168098BL	BP024754.D	05/22/2025	11:37
PB168098BS	PB168098BS	BP024755.D	05/22/2025	12:18
PB168098BSD	PB168098BSD	BP024756.D	05/22/2025	12:58

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM SAS No.: Q2073 SDG NO.: Q2073

Lab File ID: BP024787.D DFTPP Injection Date: 05/23/2025

Instrument ID: BNA_P DFTPP Injection Time: 10:59

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	29.8
68	Less than 2.0% of mass 69	0.1 (0.7) 1
69	Mass 69 relative abundance	30.6
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	45.2
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 60.0% of mass 198	33.8
365	Greater than 1% of mass 198	5.6
441	Present, but less than mass 443	23.2
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.8 (19.8) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BP024788.D	05/23/2025	11:40
GDW1	Q2073-01	BP024800.D	05/23/2025	19:51
GDW2	Q2073-02	BP024801.D	05/23/2025	20:32

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2073 SAS No.: Q2073 SDG NO.: Q2073

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/22/2025

Lab File ID: BP024753.D Time Analyzed: 10:56

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	103714	7.652	424752	10.42	258861	14.28
	UPPER LIMIT	207428	8.152	849504	10.922	517722	14.781
	LOWER LIMIT	51857	7.152	212376	9.922	129431	13.781
	EPA SAMPLE NO.						
01	PB168098BL	115351	7.65	453620	10.42	285428	14.29
02	PB168098BS	114889	7.65	451979	10.42	283120	14.29
03	PB168098BSD	126327	7.65	523024	10.42	338733	14.29

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.: Q2073 SAS No.: Q2073 SDG NO.: Q2073

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/22/2025

Lab File ID: BP024753.D Time Analyzed: 10:56

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	515151	17.075	613668	21.516	759397	24.792
	UPPER LIMIT	1030300	17.575	1227340	22.016	1518790	25.292
	LOWER LIMIT	257576	16.575	306834	21.016	379699	24.292
	EPA SAMPLE NO.						
01	PB168098BL	613349	17.09	715536	21.52	855120	24.82
02	PB168098BS	568580	17.09	655197	21.52	754804	24.82
03	PB168098BSD	686645	17.09	768545	21.51	835982	24.79

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

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

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

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2073 SAS No.: Q2073 SDG NO.: Q2073

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/23/2025

Lab File ID: BP024788.D Time Analyzed: 11:40

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	85825	7.646	348651	10.42	223501	14.28
	UPPER LIMIT	171650	8.146	697302	10.916	447002	14.781
	LOWER LIMIT	42912.5	7.146	174326	9.916	111751	13.781
	EPA SAMPLE NO.						
01	GDW1	100868	7.65	399490	10.42	287857	14.28
02	GDW2	87294	7.65	334159	10.42	218481	14.29

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.: Q2073 SAS No.: Q2073 SDG NO.: Q2073

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/23/2025

Lab File ID: BP024788.D Time Analyzed: 11:40

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	457187	17.086	596427	21.51	763679	24.786
	UPPER LIMIT	914374	17.586	1192850	22.01	1527360	25.286
	LOWER LIMIT	228594	16.586	298214	21.01	381840	24.286
	EPA SAMPLE NO.						
01	GDW1	617303	17.08	728488	21.50	816767	24.80
02	GDW2	466964	17.09	546335	21.52	656670	24.81

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

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

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

QC SAMPLE DATA

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Nelson	Date Received:	
Client Sample ID:	PB168098BL	SDG No.:	Q2073
Lab Sample ID:	PB168098BL	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group2
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
BP024754.D	1	05/21/25 08:40	05/22/25 11:37	PB168098

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	3.90	U	3.90	10.0	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.81	U	0.81	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
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
111-91-1	bis(2-Chloroethoxy)methane	0.68	U	0.68	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
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
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
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
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

Raw Data: **BP024754.D**

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Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	Nelson			Date Received:	
Client Sample ID:	PB168098BL			SDG No.:	Q2073
Lab Sample ID:	PB168098BL			Matrix:	Water
Analytical Method:	8270E			% Solid:	0
Sample Wt/Vol:	1000	Units: mL		Final Vol:	1000 uL
Soil Aliquot Vol:		uL		Test:	SVOCMS Group2
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
BP024754.D	1	05/21/25 08:40	05/22/25 11:37	PB168098

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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
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
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
SURROGATES						
4165-60-0	Nitrobenzene-d5	75.0		30 (49) - 130 (133)	75%	SPK: 100
321-60-8	2-Fluorobiphenyl	77.3		30 (52) - 130 (132)	77%	SPK: 100
1718-51-0	Terphenyl-d14	83.0		30 (48) - 130 (125)	83%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	115000	7.652			

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Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	Nelson			Date Received:	
Client Sample ID:	PB168098BL			SDG No.:	Q2073
Lab Sample ID:	PB168098BL			Matrix:	Water
Analytical Method:	8270E			% Solid:	0
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group2
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
BP024754.D	1	05/21/25 08:40	05/22/25 11:37	PB168098

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1146-65-2	Naphthalene-d8	454000	10.422			
15067-26-2	Acenaphthene-d10	285000	14.287			
1517-22-2	Phenanthrene-d10	613000	17.092			
1719-03-5	Chrysene-d12	716000	21.522			
1520-96-3	Perylene-d12	855000	24.821			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	7.30	A		4.82	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

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Nelson	Date Received:	
Client Sample ID:	PB168098BS	SDG No.:	Q2073
Lab Sample ID:	PB168098BS	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group2
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
BP024755.D	1	05/21/25 08:40	05/22/25 12:18	PB168098

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	34.3		3.90	10.0	ug/L
111-44-4	bis(2-Chloroethyl)ether	37.4		0.81	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	37.1		1.30	5.00	ug/L
98-86-2	Acetophenone	41.6		0.74	5.00	ug/L
621-64-7	n-Nitroso-di-n-propylamine	36.0		1.40	2.50	ug/L
67-72-1	Hexachloroethane	40.0		0.65	5.00	ug/L
98-95-3	Nitrobenzene	41.3		0.76	5.00	ug/L
78-59-1	Isophorone	38.8		0.75	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	39.5		0.68	5.00	ug/L
91-20-3	Naphthalene	43.0		0.50	5.00	ug/L
106-47-8	4-Chloroaniline	17.3		0.84	5.00	ug/L
87-68-3	Hexachlorobutadiene	44.1		0.54	5.00	ug/L
105-60-2	Caprolactam	42.6		1.10	10.0	ug/L
91-57-6	2-Methylnaphthalene	41.6		0.56	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	80.6	E	3.60	10.0	ug/L
92-52-4	1,1-Biphenyl	42.9		0.53	5.00	ug/L
91-58-7	2-Chloronaphthalene	43.4		0.61	5.00	ug/L
88-74-4	2-Nitroaniline	43.0		1.30	5.00	ug/L
131-11-3	Dimethylphthalate	42.1		0.61	5.00	ug/L
208-96-8	Acenaphthylene	42.4		0.75	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	43.8		0.92	5.00	ug/L
99-09-2	3-Nitroaniline	20.5		1.10	5.00	ug/L
83-32-9	Acenaphthene	42.1		0.55	5.00	ug/L
132-64-9	Dibenzofuran	43.3		0.61	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	46.5		1.20	5.00	ug/L
84-66-2	Diethylphthalate	43.5		0.69	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	43.9		0.68	5.00	ug/L
86-73-7	Fluorene	44.1		0.63	5.00	ug/L
100-01-6	4-Nitroaniline	46.3		1.50	5.00	ug/L

Raw Data: **BP024755.D**

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Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	Nelson			Date Received:	
Client Sample ID:	PB168098BS			SDG No.:	Q2073
Lab Sample ID:	PB168098BS			Matrix:	Water
Analytical Method:	8270E			% Solid:	0
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group2
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
BP024755.D	1	05/21/25 08:40	05/22/25 12:18	PB168098

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
86-30-6	n-Nitrosodiphenylamine	43.9		0.58	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	45.8		0.40	5.00	ug/L
118-74-1	Hexachlorobenzene	45.5		0.52	5.00	ug/L
1912-24-9	Atrazine	46.4		1.00	5.00	ug/L
85-01-8	Phenanthrene	43.2		0.50	5.00	ug/L
120-12-7	Anthracene	44.5		0.61	5.00	ug/L
86-74-8	Carbazole	45.5		0.72	5.00	ug/L
84-74-2	Di-n-butylphthalate	44.8		1.20	5.00	ug/L
206-44-0	Fluoranthene	46.0		0.82	5.00	ug/L
129-00-0	Pyrene	44.5		0.50	5.00	ug/L
85-68-7	Butylbenzylphthalate	46.1		1.90	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	31.3		0.93	10.0	ug/L
56-55-3	Benzo(a)anthracene	43.9		0.45	5.00	ug/L
218-01-9	Chrysene	44.1		0.44	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	44.2		1.60	5.00	ug/L
117-84-0	Di-n-octyl phthalate	46.3		2.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	44.2		0.49	5.00	ug/L
207-08-9	Benzo(k)fluoranthene	44.0		0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	44.8		0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	45.7		0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	46.0		0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	44.9		0.69	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	44.9		0.52	5.00	ug/L
123-91-1	1,4-Dioxane	31.3		1.00	5.00	ug/L
SURROGATES						
4165-60-0	Nitrobenzene-d5	72.8		30 (49) - 130 (133)	73%	SPK: 100
321-60-8	2-Fluorobiphenyl	76.3		30 (52) - 130 (132)	76%	SPK: 100
1718-51-0	Terphenyl-d14	77.9		30 (48) - 130 (125)	78%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	115000	7.652			

Raw Data: **BP024755.D**

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Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	Nelson			Date Received:	
Client Sample ID:	PB168098BS			SDG No.:	Q2073
Lab Sample ID:	PB168098BS			Matrix:	Water
Analytical Method:	8270E			% Solid:	0
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group2
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
BP024755.D	1	05/21/25 08:40	05/22/25 12:18	PB168098

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1146-65-2	Naphthalene-d8	452000	10.422			
15067-26-2	Acenaphthene-d10	283000	14.287			
1517-22-2	Phenanthrene-d10	569000	17.087			
1719-03-5	Chrysene-d12	655000	21.522			
1520-96-3	Perylene-d12	755000	24.821			

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:	Nelson	Date Received:	
Client Sample ID:	PB168098BSD	SDG No.:	Q2073
Lab Sample ID:	PB168098BSD	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group2
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
BP024756.D	1	05/21/25 08:40	05/22/25 12:58	PB168098

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	36.2		3.90	10.0	ug/L
111-44-4	bis(2-Chloroethyl)ether	40.2		0.81	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	39.6		1.30	5.00	ug/L
98-86-2	Acetophenone	42.3		0.74	5.00	ug/L
621-64-7	n-Nitroso-di-n-propylamine	39.1		1.40	2.50	ug/L
67-72-1	Hexachloroethane	41.6		0.65	5.00	ug/L
98-95-3	Nitrobenzene	42.0		0.76	5.00	ug/L
78-59-1	Isophorone	40.8		0.75	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	41.2		0.68	5.00	ug/L
91-20-3	Naphthalene	43.4		0.50	5.00	ug/L
106-47-8	4-Chloroaniline	15.2		0.84	5.00	ug/L
87-68-3	Hexachlorobutadiene	45.0		0.54	5.00	ug/L
105-60-2	Caprolactam	45.8		1.10	10.0	ug/L
91-57-6	2-Methylnaphthalene	43.0		0.56	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	85.2	E	3.60	10.0	ug/L
92-52-4	1,1-Biphenyl	43.6		0.53	5.00	ug/L
91-58-7	2-Chloronaphthalene	43.7		0.61	5.00	ug/L
88-74-4	2-Nitroaniline	44.1		1.30	5.00	ug/L
131-11-3	Dimethylphthalate	44.3		0.61	5.00	ug/L
208-96-8	Acenaphthylene	43.6		0.75	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	45.5		0.92	5.00	ug/L
99-09-2	3-Nitroaniline	21.1		1.10	5.00	ug/L
83-32-9	Acenaphthene	43.5		0.55	5.00	ug/L
132-64-9	Dibenzofuran	44.0		0.61	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	47.5		1.20	5.00	ug/L
84-66-2	Diethylphthalate	45.4		0.69	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	45.9		0.68	5.00	ug/L
86-73-7	Fluorene	44.9		0.63	5.00	ug/L
100-01-6	4-Nitroaniline	47.3		1.50	5.00	ug/L

Raw Data: **BP024756.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:	Nelson			Date Received:	
Client Sample ID:	PB168098BSD			SDG No.:	Q2073
Lab Sample ID:	PB168098BSD			Matrix:	Water
Analytical Method:	8270E			% Solid:	0
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group2
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
BP024756.D	1	05/21/25 08:40	05/22/25 12:58	PB168098

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
86-30-6	n-Nitrosodiphenylamine	45.6		0.58	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	46.8		0.40	5.00	ug/L
118-74-1	Hexachlorobenzene	46.7		0.52	5.00	ug/L
1912-24-9	Atrazine	48.4		1.00	5.00	ug/L
85-01-8	Phenanthrene	44.0		0.50	5.00	ug/L
120-12-7	Anthracene	45.1		0.61	5.00	ug/L
86-74-8	Carbazole	46.6		0.72	5.00	ug/L
84-74-2	Di-n-butylphthalate	47.2		1.20	5.00	ug/L
206-44-0	Fluoranthene	45.8		0.82	5.00	ug/L
129-00-0	Pyrene	45.6		0.50	5.00	ug/L
85-68-7	Butylbenzylphthalate	48.5		1.90	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	30.4		0.93	10.0	ug/L
56-55-3	Benzo(a)anthracene	45.5		0.45	5.00	ug/L
218-01-9	Chrysene	44.4		0.44	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	49.1		1.60	5.00	ug/L
117-84-0	Di-n-octyl phthalate	49.6		2.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	46.7		0.49	5.00	ug/L
207-08-9	Benzo(k)fluoranthene	45.6		0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	46.1		0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	44.8		0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	45.2		0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	43.9		0.69	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	45.3		0.52	5.00	ug/L
123-91-1	1,4-Dioxane	30.9		1.00	5.00	ug/L
SURROGATES						
4165-60-0	Nitrobenzene-d5	73.9		30 (49) - 130 (133)	74%	SPK: 100
321-60-8	2-Fluorobiphenyl	76.8		30 (52) - 130 (132)	77%	SPK: 100
1718-51-0	Terphenyl-d14	81.5		30 (48) - 130 (125)	81%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	126000	7.652			

Raw Data: **BP024756.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:	Nelson			Date Received:	
Client Sample ID:	PB168098BSD			SDG No.:	Q2073
Lab Sample ID:	PB168098BSD			Matrix:	Water
Analytical Method:	8270E			% Solid:	0
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group2
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
BP024756.D	1	05/21/25 08:40	05/22/25 12:58	PB168098

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1146-65-2	Naphthalene-d8	523000	10.416			
15067-26-2	Acenaphthene-d10	339000	14.287			
1517-22-2	Phenanthrene-d10	687000	17.092			
1719-03-5	Chrysene-d12	769000	21.51			
1520-96-3	Perylene-d12	836000	24.786			

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

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

CALIBRATION SUMMARY

Response Factor Report MSBNA_P

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP051325.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue May 13 16:21:39 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BP024614.D 5 =BP024615.D 10 =BP024616.D 20 =BP024617.D 40 =BP024618.D 50 =BP024619.D 60 =BP024620.D 80 =BP0246
21.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.641	0.557	0.535	0.505	0.562	0.530	0.513	0.549	8.31
3)		Pyridine		1.054	1.135	1.202	1.198	1.363	1.307	1.263	1.218	8.57
4)		n-Nitrosodimet...		0.536	0.507	0.527	0.517	0.580	0.557	0.537	0.538	4.61
5)	S	2-Fluorophenol		1.134	1.096	1.162	1.105	1.272	1.223	1.193	1.169	5.50
6)		Aniline		1.717	1.703	1.932	1.917	2.130	2.091	1.999	1.927	8.67
7)	S	Phenol-d6		1.301	1.344	1.486	1.472	1.671	1.620	1.552	1.492	9.09
8)		2-Chlorophenol		1.200	1.204	1.311	1.303	1.465	1.433	1.376	1.327	7.83
9)		Benzaldehyde		0.991	1.008	1.046	0.955	1.043	0.954	0.766	0.966	9.91
10)	C	Phenol		1.373	1.401	1.526	1.509	1.707	1.670	1.597	1.540	8.24
11)		bis(2-Chloroet...		1.317	1.170	1.257	1.213	1.357	1.299	1.247	1.266	5.04
12)		1,3-Dichlorobe...		1.596	1.487	1.520	1.440	1.622	1.546	1.480	1.527	4.29
13)	C	1,4-Dichlorobe...		1.558	1.505	1.525	1.470	1.637	1.567	1.491	1.536	3.67
14)		1,2-Dichlorobe...		1.530	1.467	1.498	1.426	1.579	1.529	1.449	1.497	3.56
15)		Benzyl Alcohol		0.883	0.950	1.128	1.149	1.306	1.288	1.236	1.134	14.43
16)		2,2'-oxybis(1-...		1.543	1.445	1.520	1.467	1.617	1.564	1.454	1.516	4.22
17)		2-Methylphenol		0.966	0.949	1.105	1.099	1.246	1.213	1.154	1.105	10.30
18)		Hexachloroethane		0.606	0.591	0.582	0.551	0.623	0.597	0.570	0.589	4.04
19)	P	n-Nitroso-di-n...	0.880	0.977	0.967	1.086	1.048	1.142	1.132	1.026	1.032	8.63
20)		3+4-Methylphenols		1.221	1.302	1.503	1.515	1.702	1.692	1.584	1.503	12.21
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.486	0.481	0.511	0.483	0.534	0.512	0.491	0.500	3.97
23)	S	Nitrobenzene-d5		0.381	0.376	0.401	0.382	0.429	0.408	0.394	0.396	4.67
24)		Nitrobenzene		0.333	0.340	0.355	0.337	0.373	0.356	0.344	0.348	4.03
25)		Isophorone		0.644	0.640	0.695	0.673	0.753	0.721	0.682	0.687	5.91
26)	C	2-Nitrophenol		0.135	0.143	0.168	0.172	0.196	0.192	0.189	0.171	14.05
27)		2,4-Dimethylph...		0.273	0.279	0.300	0.298	0.329	0.318	0.309	0.301	6.60
28)		bis(2-Chloroet...		0.403	0.391	0.411	0.399	0.443	0.419	0.405	0.410	4.15
29)	C	2,4-Dichloroph...		0.250	0.258	0.290	0.291	0.327	0.316	0.309	0.292	9.96
30)		1,2,4-Trichlor...		0.346	0.322	0.327	0.306	0.347	0.329	0.323	0.329	4.33
31)		Naphthalene		1.064	1.026	1.049	0.980	1.091	1.037	1.007	1.036	3.54
32)		Benzoic acid			0.089	0.146	0.191	0.215	0.220	0.225	0.181	29.55
33)		4-Chloroaniline		0.348	0.371	0.420	0.418	0.465	0.462	0.442	0.418	10.62
34)	C	Hexachlorobuta...		0.231	0.214	0.211	0.198	0.222	0.209	0.206	0.213	5.08
35)		Caprolactam		0.082	0.092	0.104	0.109	0.121	0.121	0.110	0.106	13.80
36)	C	4-Chloro-3-met...		0.316	0.325	0.358	0.356	0.391	0.384	0.359	0.356	7.78
37)		2-Methylnaphth...		0.673	0.654	0.670	0.640	0.713	0.693	0.654	0.671	3.73
38)		1-Methylnaphth...		0.741	0.700	0.720	0.690	0.751	0.733	0.690	0.718	3.47

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP051325.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.593	0.558	0.574	0.549	0.625	0.580	0.586	0.581	4.26
41)	P	Hexachlorocycl...	0.250	0.276	0.350	0.356	0.420	0.391	0.421	0.352	19.02
42)	S	2,4,6-Tribromo...	0.324	0.321	0.335	0.323	0.369	0.357	0.346	0.339	5.49
43)	C	2,4,6-Trichlor...	0.305	0.341	0.375	0.371	0.428	0.410	0.402	0.376	11.29
44)		2,4,5-Trichlor...	0.376	0.375	0.418	0.404	0.471	0.447	0.440	0.419	8.68
45)	S	2-Fluorobiphenyl	1.601	1.498	1.553	1.432	1.602	1.515	1.485	1.527	4.10
46)		1,1'-Biphenyl	1.524	1.434	1.492	1.383	1.586	1.473	1.456	1.478	4.40
47)		2-Chloronaphth...	1.147	1.106	1.131	1.065	1.196	1.132	1.113	1.127	3.56
48)		2-Nitroaniline	0.279	0.304	0.331	0.335	0.381	0.364	0.343	0.334	10.28
49)		Acenaphthylene	1.845	1.818	1.920	1.804	2.029	1.930	1.856	1.886	4.19
50)		Dimethylphthalate	1.570	1.527	1.518	1.450	1.611	1.535	1.460	1.524	3.73
51)		2,6-Dinitrotol...	0.299	0.308	0.326	0.312	0.354	0.337	0.319	0.322	5.75
52)	C	Acenaphthene	1.105	1.054	1.094	1.028	1.159	1.099	1.052	1.084	4.02
53)		3-Nitroaniline	0.258	0.275	0.329	0.340	0.379	0.370	0.350	0.329	14.04
54)	P	2,4-Dinitrophenol		0.098	0.143	0.172	0.201	0.201	0.201	0.169	24.79
55)		Dibenzofuran	1.810	1.716	1.740	1.633	1.816	1.733	1.658	1.730	4.00
56)	P	4-Nitrophenol		0.159	0.222	0.257	0.299	0.288	0.274	0.250	20.82
57)		2,4-Dinitrotol...	0.400	0.422	0.456	0.454	0.508	0.483	0.454	0.454	7.87
58)		Fluorene	1.466	1.415	1.410	1.336	1.494	1.410	1.341	1.410	4.14
59)		2,3,4,6-Tetrac...	0.367	0.364	0.381	0.379	0.428	0.406	0.394	0.388	5.89
60)		Diethylphthalate	1.593	1.542	1.537	1.444	1.639	1.563	1.468	1.541	4.40
61)		4-Chlorophenyl...	0.752	0.697	0.700	0.656	0.741	0.709	0.668	0.703	5.01
62)		4-Nitroaniline	0.228	0.259	0.326	0.330	0.375	0.363	0.341	0.317	17.06
63)		Azobenzene	1.327	1.299	1.356	1.250	1.407	1.343	1.243	1.318	4.45
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.094	0.120	0.129	0.149	0.143	0.141	0.129	15.64
66)	c	n-Nitrosodiphe...	0.603	0.589	0.627	0.593	0.667	0.621	0.600	0.614	4.41
67)		4-Bromophenyl-...	0.231	0.223	0.237	0.226	0.252	0.242	0.240	0.236	4.31
68)		Hexachlorobenzene	0.303	0.288	0.298	0.282	0.321	0.304	0.300	0.299	4.25
69)		Atrazine	0.210	0.209	0.227	0.218	0.248	0.237	0.226	0.225	6.32
70)	C	Pentachlorophenol	0.124	0.137	0.163	0.172	0.198	0.191	0.192	0.168	17.12
71)		Phenanthrene	1.144	1.085	1.125	1.051	1.170	1.125	1.083	1.112	3.68
72)		Anthracene	1.097	1.064	1.142	1.075	1.205	1.139	1.108	1.119	4.31
73)		Carbazole	0.923	0.944	1.039	1.001	1.114	1.053	1.013	1.012	6.43
74)		Di-n-butylphth...	1.182	1.218	1.332	1.260	1.447	1.363	1.313	1.302	6.97
75)	C	Fluoranthene	1.271	1.254	1.314	1.250	1.399	1.337	1.272	1.300	4.18
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.362	0.543	0.560	0.657	0.599	0.548	0.545	18.22
78)		Pyrene	1.184	1.137	1.197	1.153	1.273	1.222	1.223	1.198	3.85
79)	S	Terphenyl-d14	1.192	1.113	1.165	1.125	1.226	1.175	1.167	1.166	3.30
80)		Butylbenzylpht...	0.458	0.465	0.537	0.527	0.604	0.571	0.569	0.533	10.28
81)		Benzo(a)anthra...	1.251	1.218	1.253	1.208	1.336	1.275	1.250	1.256	3.36
82)		3,3'-Dichlorob...	0.357	0.392	0.474	0.477	0.539	0.511	0.514	0.466	14.45
83)		Chrysene	1.214	1.180	1.185	1.131	1.255	1.188	1.180	1.190	3.16
84)		Bis(2-ethylhex...	0.673	0.683	0.801	0.766	0.884	0.836	0.841	0.783	10.32
85)	c	Di-n-octyl pht...	1.048	1.116	1.272	1.280	1.458	1.376	1.417	1.281	11.95

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP051325.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.341	1.357	1.447	1.424	1.608	1.549	1.494	1.460	6.70
88)		Benzo(b)fluora...	1.028	1.070	1.152	1.103	1.288	1.184	1.189	1.145	7.58
89)		Benzo(k)fluora...	1.147	1.106	1.182	1.140	1.258	1.238	1.185	1.180	4.59
90)	C	Benzo(a)pyrene	0.995	1.001	1.112	1.064	1.221	1.167	1.136	1.099	7.68
91)		Dibenzo(a,h)an...	1.068	1.066	1.186	1.167	1.321	1.271	1.236	1.188	8.18
92)		Benzo(g,h,i)pe...	1.101	1.106	1.167	1.147	1.294	1.242	1.212	1.181	6.07

(#) = 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.: Q2073 SAS No.: Q2073 SDG No.: Q2073

Instrument ID: BNA_P Calibration Date/Time: 05/22/2025 10:56

Lab File ID: BP024753.D Init. Calib. Date(s): 05/13/2025 05/13/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:41 15:26

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.169	1.135		-2.9	
Benzaldehyde	0.966	0.866		-10.4	
Phenol-d6	1.492	1.407		-5.7	
Phenol	1.540	1.471		-4.5	20.0
bis(2-Chloroethyl)ether	1.266	1.107		-12.6	
2-Chlorophenol	1.327	1.323		-0.3	
2-Methylphenol	1.105	1.036		-6.2	
2,2-oxybis(1-Chloropropane)	1.516	1.312		-13.5	
Acetophenone	0.500	0.469		-6.2	
3+4-Methylphenols	1.503	1.398		-7.0	
n-Nitroso-di-n-propylamine	1.032	0.896	0.050	-13.2	
Nitrobenzene-d5	0.396	0.368		-7.1	
Hexachloroethane	0.589	0.540		-8.3	
Nitrobenzene	0.348	0.318		-8.6	
Isophorone	0.687	0.607		-11.6	
2-Nitrophenol	0.171	0.178		4.1	20.0
2,4-Dimethylphenol	0.301	0.290		-3.7	
bis(2-Chloroethoxy)methane	0.410	0.359		-12.4	
2,4-Dichlorophenol	0.292	0.288		-1.4	20.0
Naphthalene	1.036	0.988		-4.6	
4-Chloroaniline	0.418	0.411		-1.7	
Hexachlorobutadiene	0.213	0.212		-0.5	20.0
Caprolactam	0.106	0.100		-5.7	
4-Chloro-3-methylphenol	0.356	0.336		-5.6	20.0
2-Methylnaphthalene	0.671	0.616		-8.2	
Hexachlorocyclopentadiene	0.352	0.359	0.050	2.0	
2,4,6-Trichlorophenol	0.376	0.385		2.4	20.0
2-Fluorobiphenyl	1.527	1.502		-1.6	
2,4,5-Trichlorophenol	0.419	0.412		-1.7	
1,1-Biphenyl	1.478	1.437		-2.8	
2-Chloronaphthalene	1.127	1.094		-2.9	
2-Nitroaniline	0.334	0.312		-6.6	
Dimethylphthalate	1.524	1.422		-6.7	
Acenaphthylene	1.886	1.818		-3.6	
2,6-Dinitrotoluene	0.322	0.308		-4.3	
3-Nitroaniline	0.329	0.327		-0.6	
Acenaphthene	1.084	1.055		-2.7	20.0
2,4-Dinitrophenol	0.169	0.178	0.050	5.3	
4-Nitrophenol	0.250	0.298	0.050	19.2	

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Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2073 SAS No.: Q2073 SDG No.: Q2073

Instrument ID: BNA_P Calibration Date/Time: 05/22/2025 10:56

Lab File ID: BP024753.D Init. Calib. Date(s): 05/13/2025 05/13/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:41 15:26

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.730	1.664		-3.8	
2,4-Dinitrotoluene	0.454	0.458		0.9	
Diethylphthalate	1.541	1.446		-6.2	
4-Chlorophenyl-phenylether	0.703	0.681		-3.1	
Fluorene	1.410	1.365		-3.2	
4-Nitroaniline	0.317	0.336		6.0	
4,6-Dinitro-2-methylphenol	0.129	0.131		1.5	
n-Nitrosodiphenylamine	0.614	0.595		-3.1	20.0
2,4,6-Tribromophenol	0.339	0.364		7.4	
4-Bromophenyl-phenylether	0.236	0.237		0.4	
Hexachlorobenzene	0.299	0.301		0.7	
Atrazine	0.225	0.226		0.4	
Pentachlorophenol	0.168	0.183		8.9	20.0
Phenanthrene	1.112	1.056		-5.0	
Anthracene	1.119	1.093		-2.3	
Carbazole	1.012	1.003		-0.9	
Di-n-butylphthalate	1.302	1.275		-2.1	
Fluoranthene	1.300	1.270		-2.3	20.0
Pyrene	1.198	1.114		-7.0	
Terphenyl-d14	1.166	1.110		-4.8	
Butylbenzylphthalate	0.533	0.521		-2.3	
3,3-Dichlorobenzidine	0.466	0.502		7.7	
Benzo(a)anthracene	1.256	1.196		-4.8	
Chrysene	1.190	1.132		-4.9	
Bis(2-ethylhexyl)phthalate	0.783	0.768		-1.9	
Di-n-octyl phthalate	1.281	1.324		3.4	20.0
Benzo(b)fluoranthene	1.145	1.090		-4.8	
Benzo(k)fluoranthene	1.180	1.078		-8.6	
Benzo(a)pyrene	1.099	1.059		-3.6	20.0
Indeno(1,2,3-cd)pyrene	1.460	1.467		0.5	
Dibenzo(a,h)anthracene	1.188	1.197		0.8	
Benzo(g,h,i)perylene	1.181	1.175		-0.5	
1,2,4,5-Tetrachlorobenzene	0.581	0.581		0.0	
1,4-Dioxane	0.549	0.459		-16.4	20.0
2,3,4,6-Tetrachlorophenol	0.388	0.382		-1.5	

All other compounds must meet a minimum RRF of 0.010.

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2073 SAS No.: Q2073 SDG No.: Q2073

Instrument ID: BNA_P Calibration Date/Time: 05/23/2025 11:40

Lab File ID: BP024788.D Init. Calib. Date(s): 05/13/2025 05/13/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:41 15:26

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.169	1.153		-1.4	
Benzaldehyde	0.966	0.824		-14.7	
Phenol-d6	1.492	1.391		-6.8	
Phenol	1.540	1.406		-8.7	20.0
bis(2-Chloroethyl)ether	1.266	1.041		-17.8	
2-Chlorophenol	1.327	1.285		-3.2	
2-Methylphenol	1.105	1.020		-7.7	
2,2-oxybis(1-Chloropropane)	1.516	1.205		-20.5	
Acetophenone	0.500	0.471		-5.8	
3+4-Methylphenols	1.503	1.386		-7.8	
n-Nitroso-di-n-propylamine	1.032	0.869	0.050	-15.8	
Nitrobenzene-d5	0.396	0.363		-8.3	
Hexachloroethane	0.589	0.524		-11.0	
Nitrobenzene	0.348	0.310		-10.9	
Isophorone	0.687	0.597		-13.1	
2-Nitrophenol	0.171	0.181		5.8	20.0
2,4-Dimethylphenol	0.301	0.294		-2.3	
bis(2-Chloroethoxy)methane	0.410	0.346		-15.6	
2,4-Dichlorophenol	0.292	0.295		1.0	20.0
Naphthalene	1.036	1.000		-3.5	
4-Chloroaniline	0.418	0.412		-1.4	
Hexachlorobutadiene	0.213	0.212		-0.5	20.0
Caprolactam	0.106	0.104		-1.9	
4-Chloro-3-methylphenol	0.356	0.335		-5.9	20.0
2-Methylnaphthalene	0.671	0.635		-5.4	
Hexachlorocyclopentadiene	0.352	0.461	0.050	31.0	
2,4,6-Trichlorophenol	0.376	0.389		3.5	20.0
2-Fluorobiphenyl	1.527	1.497		-2.0	
2,4,5-Trichlorophenol	0.419	0.410		-2.1	
1,1-Biphenyl	1.478	1.419		-4.0	
2-Chloronaphthalene	1.127	1.115		-1.1	
2-Nitroaniline	0.334	0.309		-7.5	
Dimethylphthalate	1.524	1.471		-3.5	
Acenaphthylene	1.886	1.849		-2.0	
2,6-Dinitrotoluene	0.322	0.319		-0.9	
3-Nitroaniline	0.329	0.324		-1.5	
Acenaphthene	1.084	1.026		-5.4	20.0
2,4-Dinitrophenol	0.169	0.167	0.050	-1.2	
4-Nitrophenol	0.250	0.319	0.050	27.6	

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2073 SAS No.: Q2073 SDG No.: Q2073

Instrument ID: BNA_P Calibration Date/Time: 05/23/2025 11:40

Lab File ID: BP024788.D Init. Calib. Date(s): 05/13/2025 05/13/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:41 15:26

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.730	1.667		-3.6	
2,4-Dinitrotoluene	0.454	0.463		2.0	
Diethylphthalate	1.541	1.463		-5.1	
4-Chlorophenyl-phenylether	0.703	0.684		-2.7	
Fluorene	1.410	1.371		-2.8	
4-Nitroaniline	0.317	0.348		9.8	
4,6-Dinitro-2-methylphenol	0.129	0.130		0.8	
n-Nitrosodiphenylamine	0.614	0.580		-5.5	20.0
2,4,6-Tribromophenol	0.339	0.384		13.3	
4-Bromophenyl-phenylether	0.236	0.232		-1.7	
Hexachlorobenzene	0.299	0.309		3.3	
Atrazine	0.225	0.229		1.8	
Pentachlorophenol	0.168	0.188		11.9	20.0
Phenanthrene	1.112	1.068		-4.0	
Anthracene	1.119	1.082		-3.3	
Carbazole	1.012	1.026		1.4	
Di-n-butylphthalate	1.302	1.292		-0.8	
Fluoranthene	1.300	1.314		1.1	20.0
Pyrene	1.198	1.053		-12.1	
Terphenyl-d14	1.166	1.077		-7.6	
Butylbenzylphthalate	0.533	0.498		-6.6	
3,3-Dichlorobenzidine	0.466	0.498		6.9	
Benzo(a)anthracene	1.256	1.206		-4.0	
Chrysene	1.190	1.135		-4.6	
Bis(2-ethylhexyl)phthalate	0.783	0.773		-1.3	
Di-n-octyl phthalate	1.281	1.352		5.5	20.0
Benzo(b)fluoranthene	1.145	1.078		-5.9	
Benzo(k)fluoranthene	1.180	1.106		-6.3	
Benzo(a)pyrene	1.099	1.062		-3.4	20.0
Indeno(1,2,3-cd)pyrene	1.460	1.481		1.4	
Dibenzo(a,h)anthracene	1.188	1.213		2.1	
Benzo(g,h,i)perylene	1.181	1.186		0.4	
1,2,4,5-Tetrachlorobenzene	0.581	0.582		0.2	
1,4-Dioxane	0.549	0.475		-13.5	20.0
2,3,4,6-Tetrachlorophenol	0.388	0.396		2.1	

All other compounds must meet a minimum RRF of 0.010.

SAMPLE RAW DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052325\
Data File : BP024800.D
Acq On : 23 May 2025 19:51
Operator : RC/JU
Sample : Q2073-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
GDW1

Quant Time: May 24 00:04:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

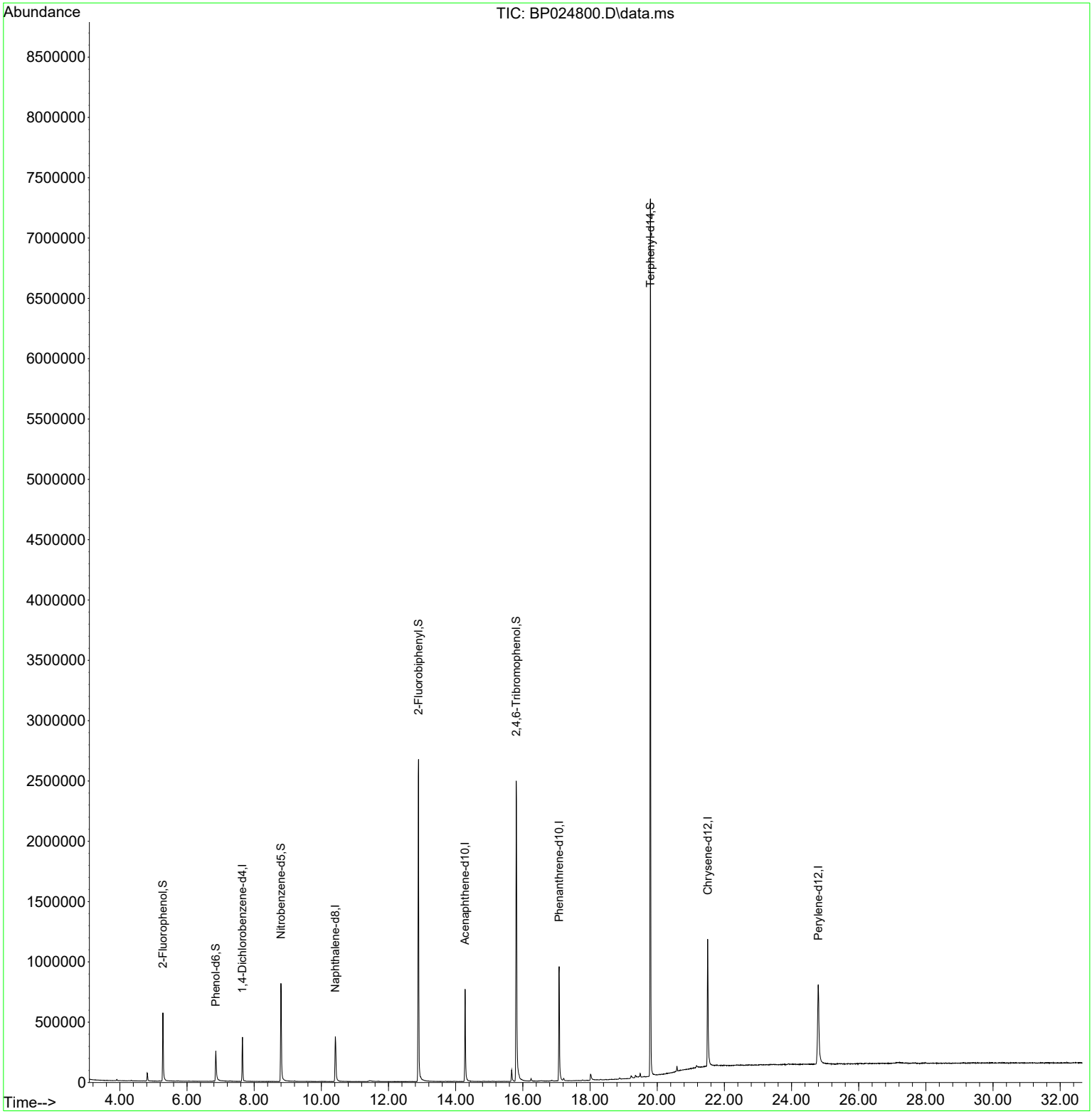
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.652	152	100868	20.000	ng	-0.01
21) Naphthalene-d8	10.416	136	399490	20.000	ng	-0.02
39) Acenaphthene-d10	14.281	164	287857	20.000	ng	-0.02
64) Phenanthrene-d10	17.081	188	617303	20.000	ng	-0.02
76) Chrysene-d12	21.504	240	728488	20.000	ng	-0.02
86) Perylene-d12	24.798	264	816767	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.281	112	280732	47.602	ng	0.00
7) Phenol-d6	6.858	99	193590	25.720	ng	0.00
23) Nitrobenzene-d5	8.799	82	500593	63.314	ng	-0.01
42) 2,4,6-Tribromophenol	15.804	330	731756	149.950	ng	0.00
45) 2-Fluorobiphenyl	12.893	172	1399903	63.714	ng	-0.01
79) Terphenyl-d14	19.798	244	3582745	84.330	ng	-0.01
Target Compounds						Qvalue

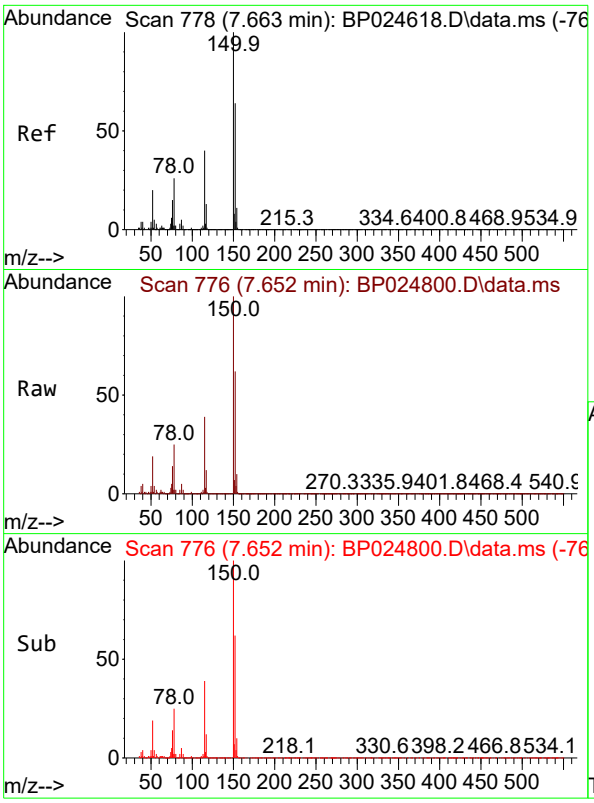
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052325\
Data File : BP024800.D
Acq On : 23 May 2025 19:51
Operator : RC/JU
Sample : Q2073-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
GDW1

Quant Time: May 24 00:04:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration



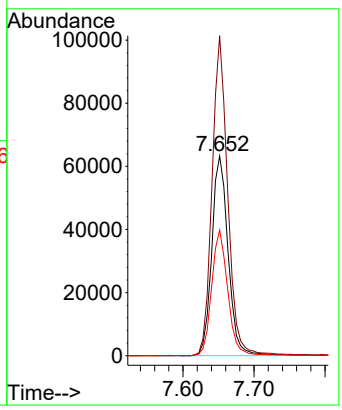


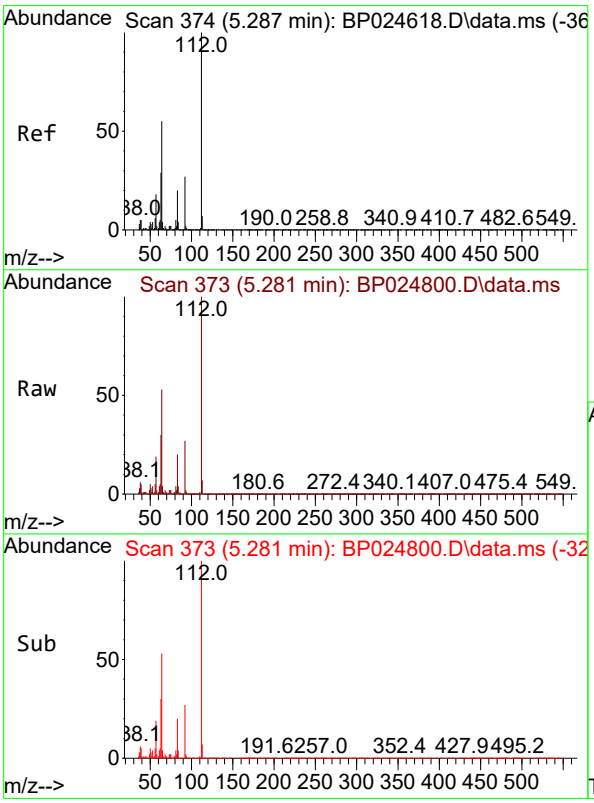
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.652 min Scan# 7
Delta R.T. -0.011 min
Lab File: BP024800.D
Acq: 23 May 2025 19:51

Instrument :
BNA_P
ClientSampleId :
GDW1

Tgt Ion:152 Resp: 100868

Ion	Ratio	Lower	Upper
152	100		
150	160.2	125.9	188.9
115	62.9	50.1	75.1

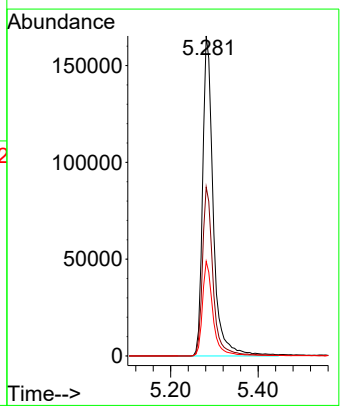


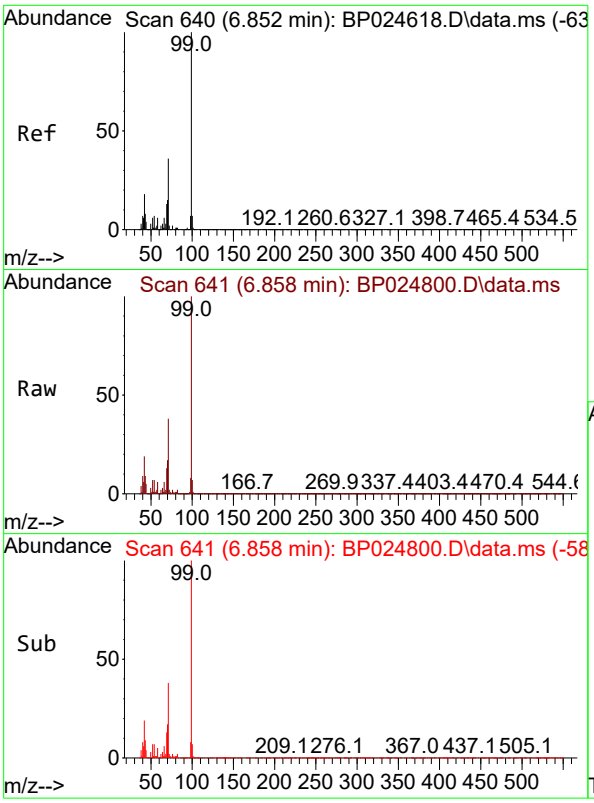


#5
2-Fluorophenol
Concen: 47.602 ng
RT: 5.281 min Scan# 373
Delta R.T. -0.006 min
Lab File: BP024800.D
Acq: 23 May 2025 19:51

Tgt Ion:112 Resp: 280732

Ion	Ratio	Lower	Upper
112	100		
64	52.8	44.1	66.1
63	29.5	23.5	35.3



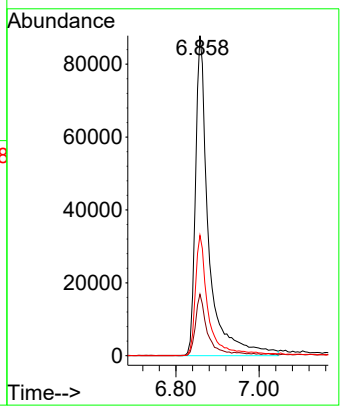


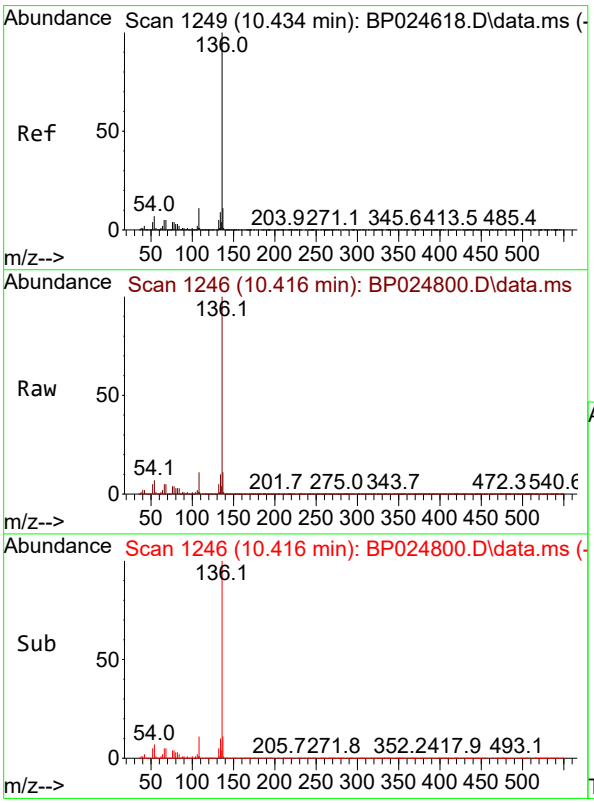
#7
Phenol-d6
Concen: 25.720 ng
RT: 6.858 min Scan# 64
Delta R.T. 0.006 min
Lab File: BP024800.D
Acq: 23 May 2025 19:51

Instrument :
BNA_P
ClientSampleId :
GDW1

Tgt Ion: 99 Resp: 193590

Ion	Ratio	Lower	Upper
99	100		
42	19.2	14.4	21.6
71	37.6	29.2	43.8

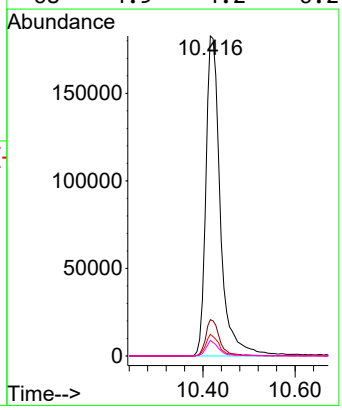


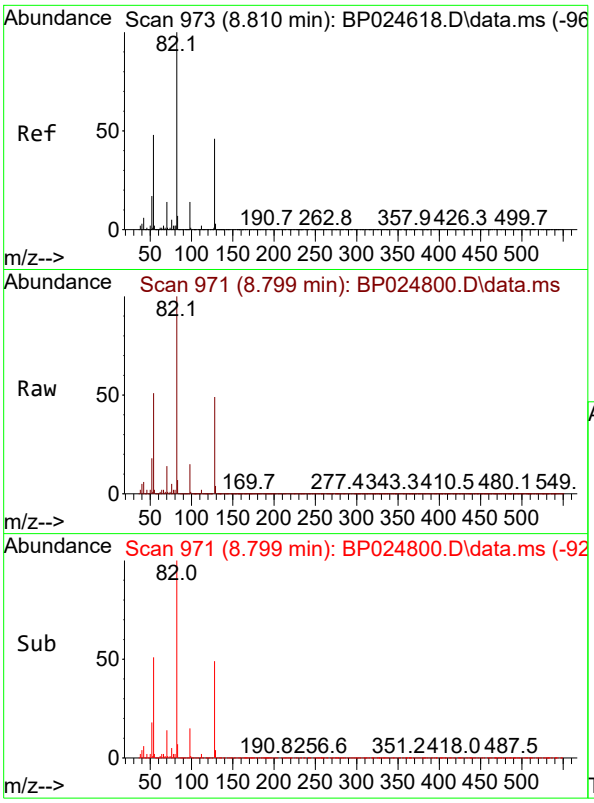


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.416 min Scan# 1246
Delta R.T. -0.018 min
Lab File: BP024800.D
Acq: 23 May 2025 19:51

Tgt Ion:136 Resp: 399490

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.8	13.2
54	6.8	5.5	8.3
68	4.9	4.2	6.2



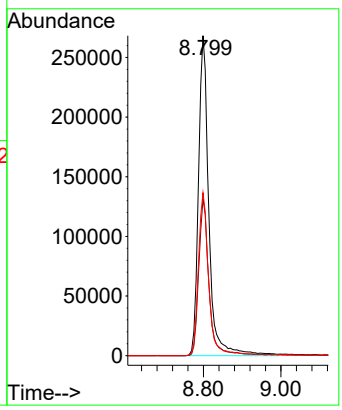


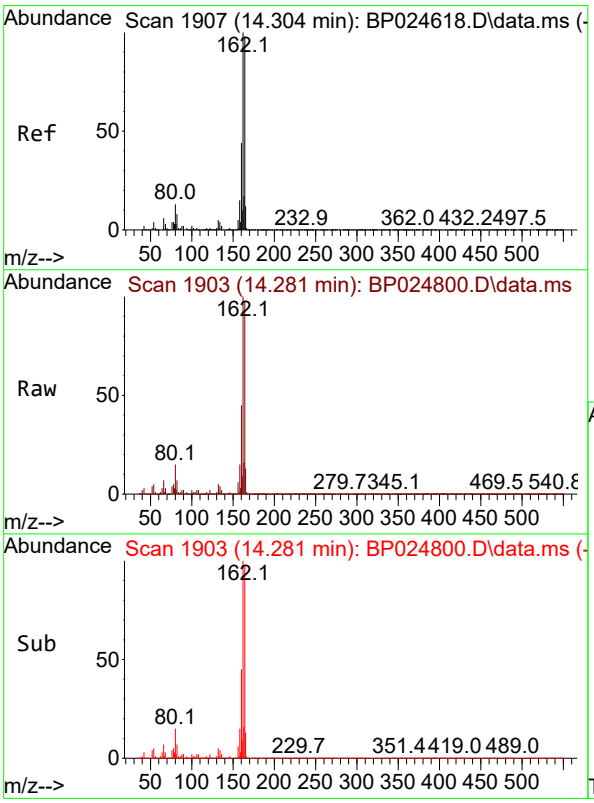
#23
Nitrobenzene-d5
Concen: 63.314 ng
RT: 8.799 min Scan# 9
Delta R.T. -0.012 min
Lab File: BP024800.D
Acq: 23 May 2025 19:51

Instrument :
BNA_P
ClientSampleId :
GDW1

Tgt Ion: 82 Resp: 500593

Ion	Ratio	Lower	Upper
82	100		
128	49.1	37.0	55.4
54	51.0	38.7	58.1

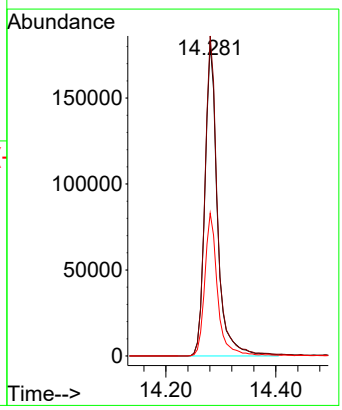


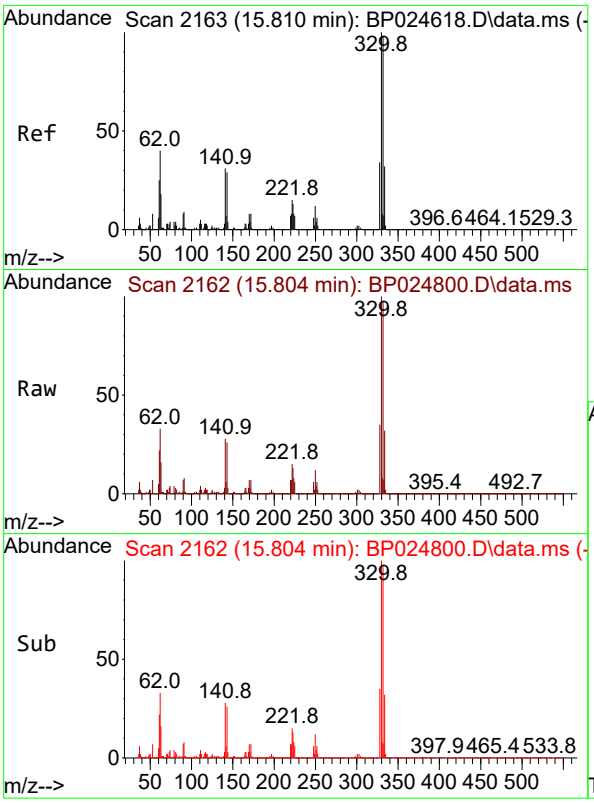


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.281 min Scan# 1903
Delta R.T. -0.024 min
Lab File: BP024800.D
Acq: 23 May 2025 19:51

Tgt Ion:164 Resp: 287857

Ion	Ratio	Lower	Upper
164	100		
162	102.5	81.8	122.6
160	45.7	36.3	54.5



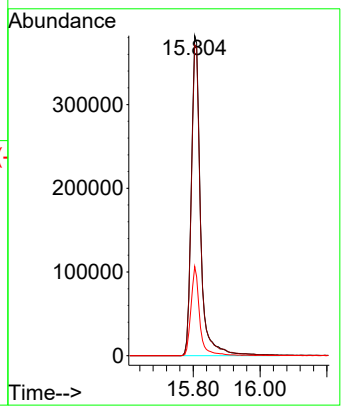


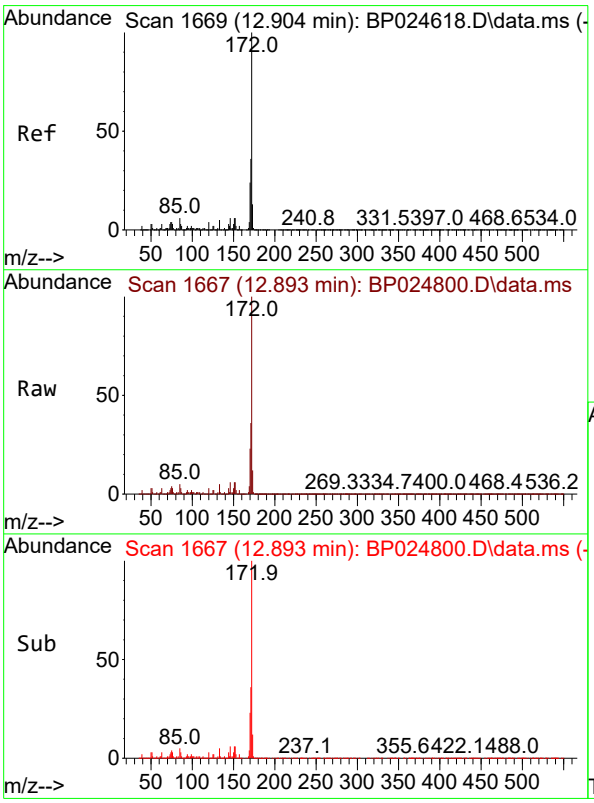
#42
2,4,6-Tribromophenol
Concen: 149.950 ng
RT: 15.804 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024800.D
Acq: 23 May 2025 19:51

Instrument :
BNA_P
ClientSampleId :
GDW1

Tgt Ion:330 Resp: 731756

Ion	Ratio	Lower	Upper
330	100		
332	97.3	78.2	117.4
141	26.3	24.3	36.5

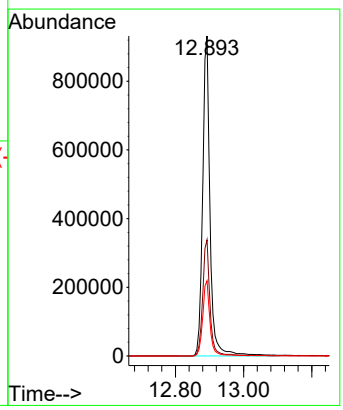


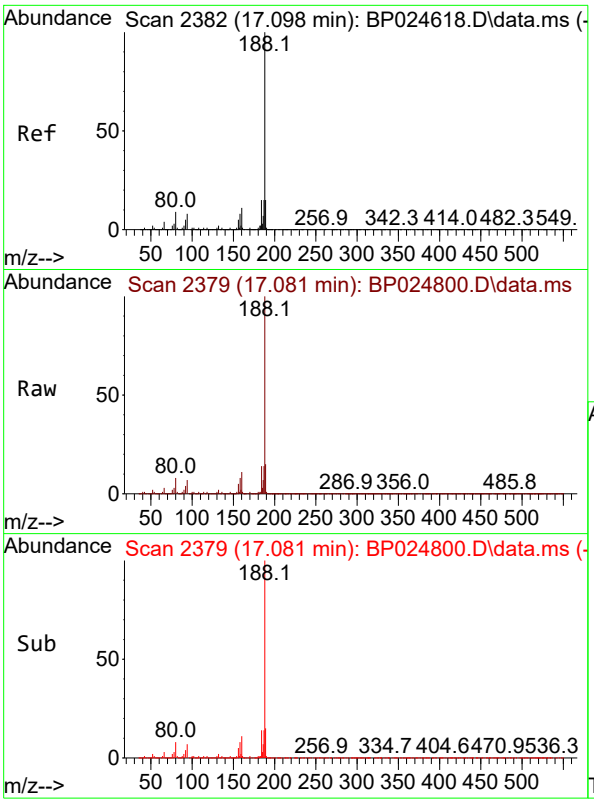


#45
2-Fluorobiphenyl
Concen: 63.714 ng
RT: 12.893 min Scan# 1667
Delta R.T. -0.012 min
Lab File: BP024800.D
Acq: 23 May 2025 19:51

Tgt Ion:172 Resp: 1399903

Ion	Ratio	Lower	Upper
172	100		
171	36.3	28.8	43.2
170	23.5	18.8	28.2



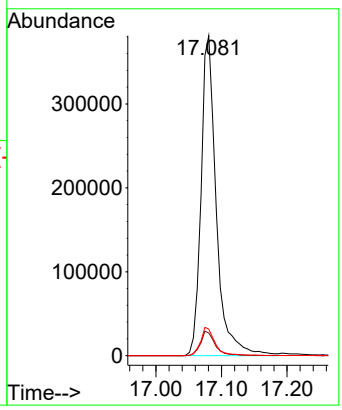


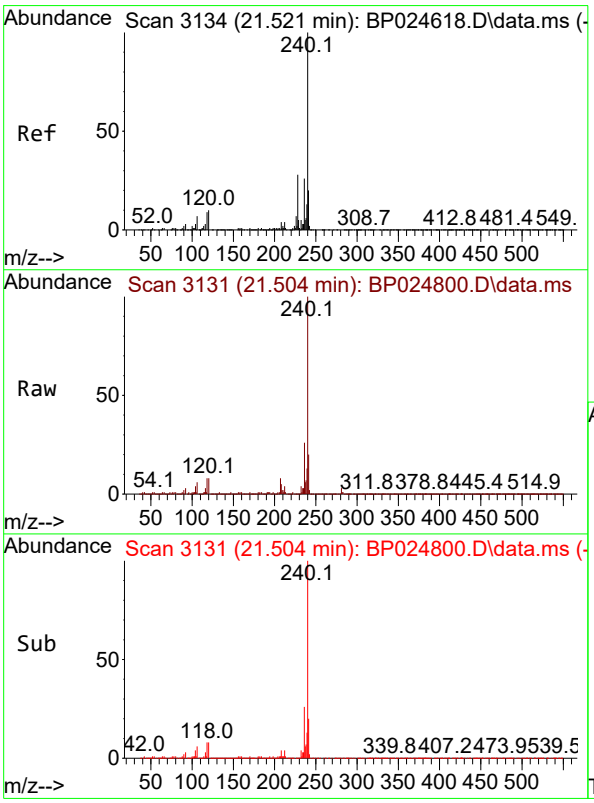
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.081 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024800.D
Acq: 23 May 2025 19:51

Instrument :
BNA_P
ClientSampleId :
GDW1

Tgt Ion:188 Resp: 617303

Ion	Ratio	Lower	Upper
188	100		
94	7.1	6.5	9.7
80	8.3	7.3	10.9

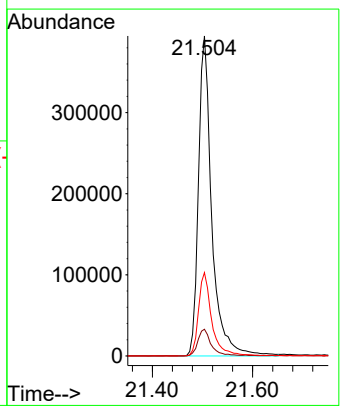


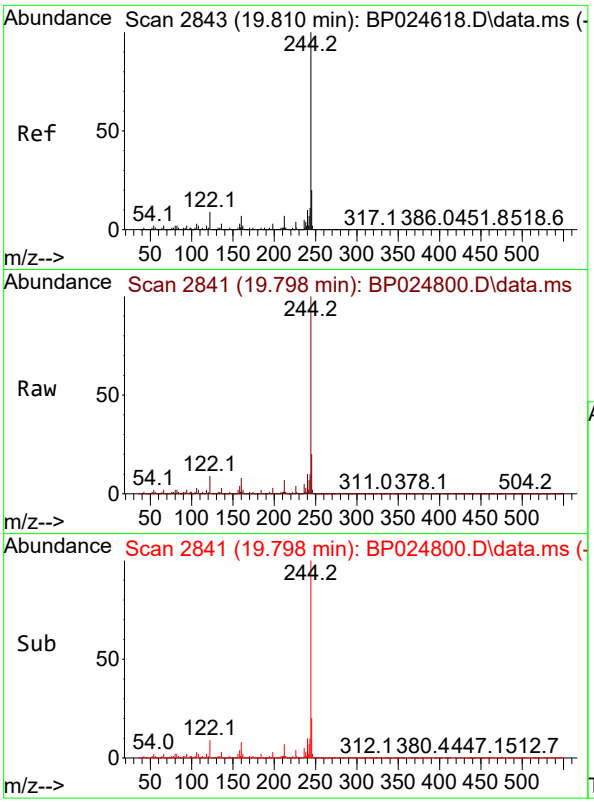


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.504 min Scan# 3131
Delta R.T. -0.018 min
Lab File: BP024800.D
Acq: 23 May 2025 19:51

Tgt Ion:240 Resp: 728488

Ion	Ratio	Lower	Upper
240	100		
120	8.4	7.8	11.6
236	26.0	20.6	31.0



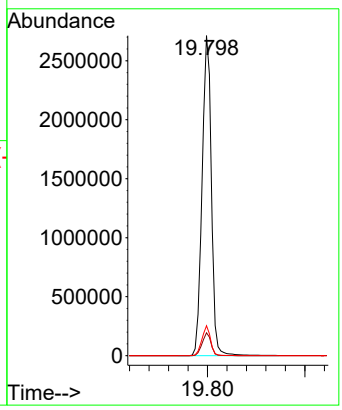


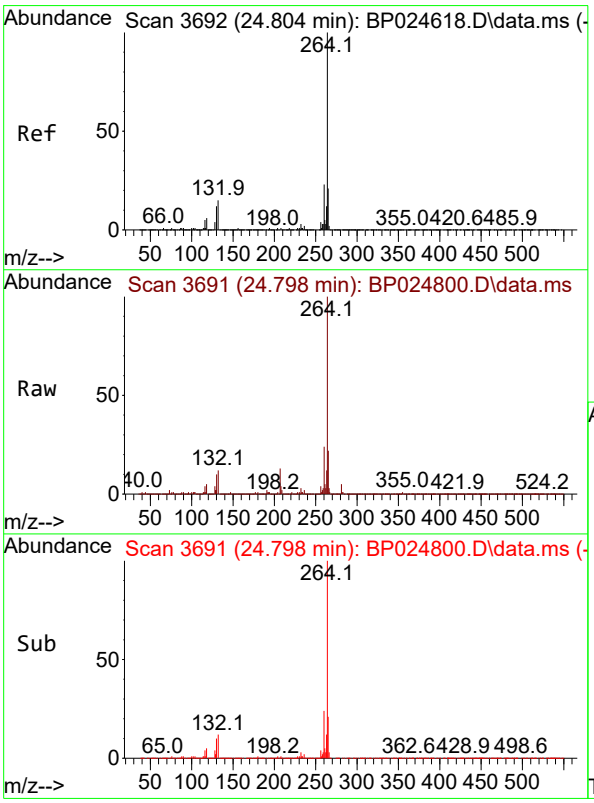
#79
Terphenyl-d14
Concen: 84.330 ng
RT: 19.798 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024800.D
Acq: 23 May 2025 19:51

Instrument :
BNA_P
ClientSampleId :
GDW1

Tgt Ion:244 Resp: 3582745

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.5	8.3
122	9.4	7.4	11.0

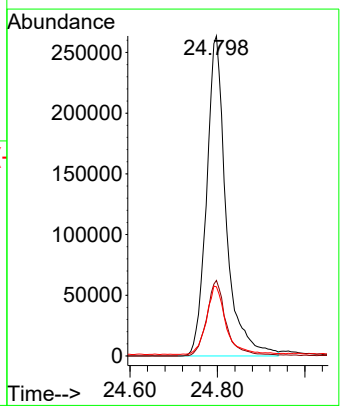




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.798 min Scan# 3691
Delta R.T. -0.006 min
Lab File: BP024800.D
Acq: 23 May 2025 19:51

Tgt Ion:264 Resp: 816767

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.7	28.1
265	21.6	17.0	25.6



Sample Results: **BP024800.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052325\
Data File : BP024800.D
Acq On : 23 May 2025 19:51
Operator : RC/JU
Sample : Q2073-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
GDW1

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP024800.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.816	288	294	303	rBV	66235	103091	1.09%	0.349%
2	5.281	367	373	398	rBV	566093	955910	10.10%	3.232%
3	6.858	634	641	657	rBV	251459	525729	5.55%	1.777%
4	7.652	768	776	786	rBV	366882	576746	6.09%	1.950%
5	8.799	963	971	996	rBV	812881	1521256	16.07%	5.143%
6	10.416	1239	1246	1267	rBV	372162	802538	8.48%	2.713%
7	12.893	1659	1667	1688	rBV	2670329	4026529	42.53%	13.613%
8	14.281	1896	1903	1917	rBV	765372	1217830	12.86%	4.117%
9	15.669	2133	2139	2153	rBV	95683	176516	1.86%	0.597%
10	15.804	2153	2162	2187	rBV	2489939	4641763	49.03%	15.692%
11	17.081	2372	2379	2396	rBV	947811	1548818	16.36%	5.236%
12	18.016	2534	2538	2549	rBV3	50553	126247	1.33%	0.427%
13	19.798	2835	2841	2854	rBV	7273808	9468044	100.00%	32.009%
14	21.504	3125	3131	3144	rBV	1052322	1917597	20.25%	6.483%
15	24.798	3681	3691	3715	rVB	651214	1970973	20.82%	6.663%

Sum of corrected areas: 29579587

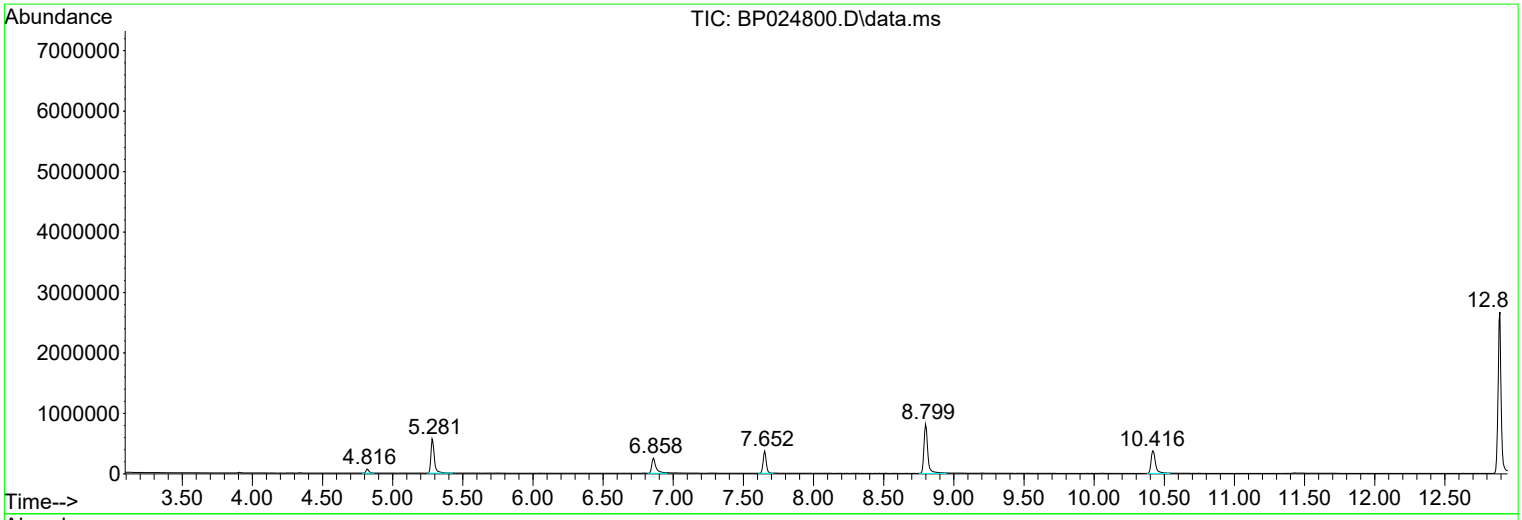
Sample Results: **BP024800.D**

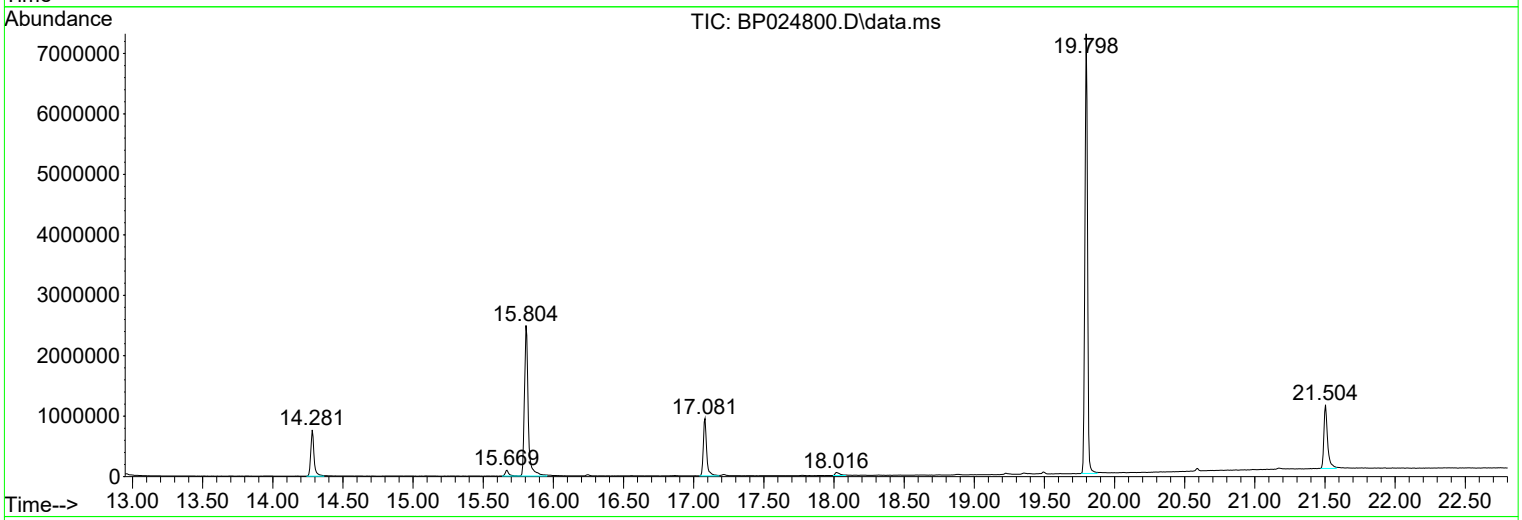
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052325\
Data File : BP024800.D
Acq On : 23 May 2025 19:51
Operator : RC/JU
Sample : Q2073-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

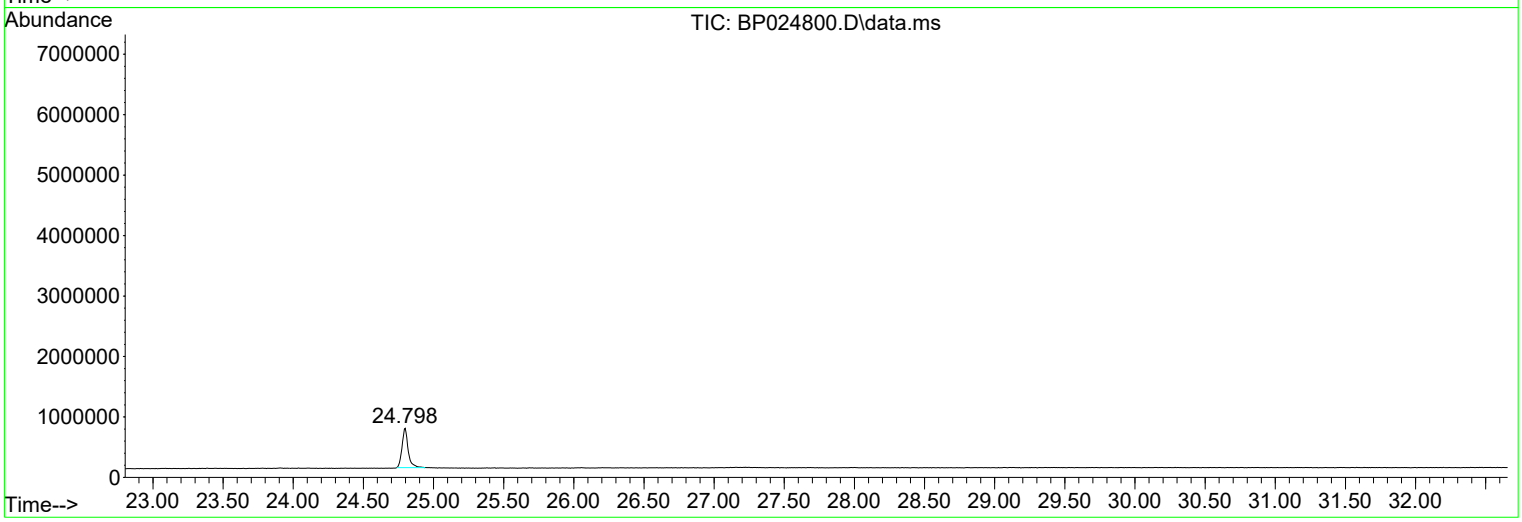
Instrument :
BNA_P
ClientSampleId :
GDW1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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







Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052325\
Data File : BP024800.D
Acq On : 23 May 2025 19:51
Operator : RC/JU
Sample : Q2073-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
GDW1

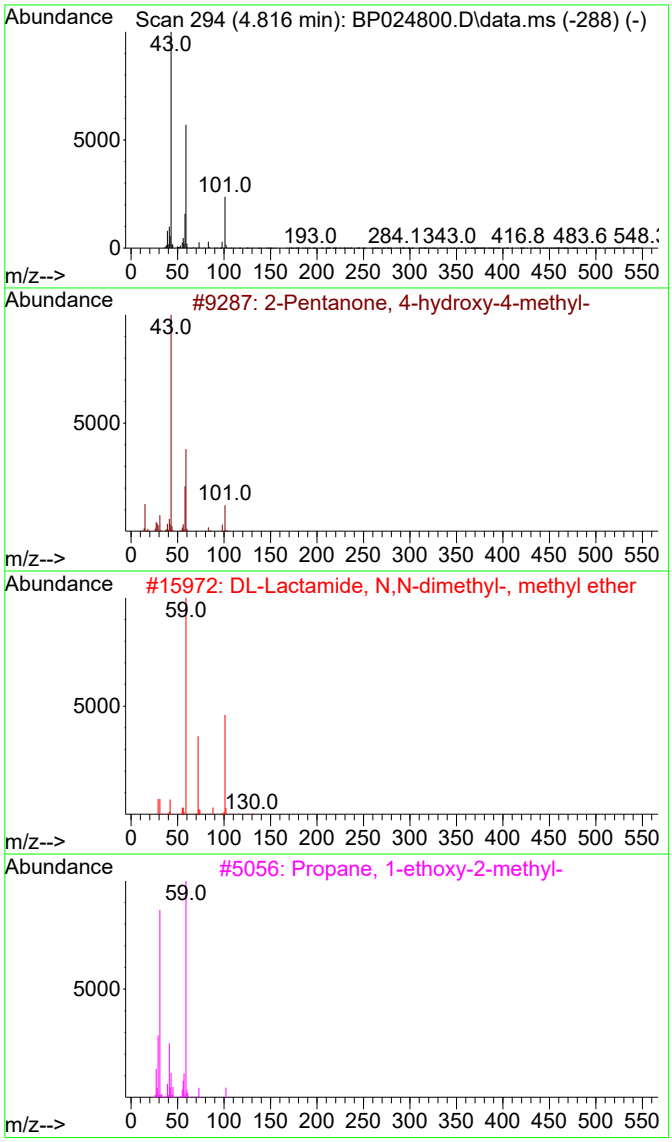
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

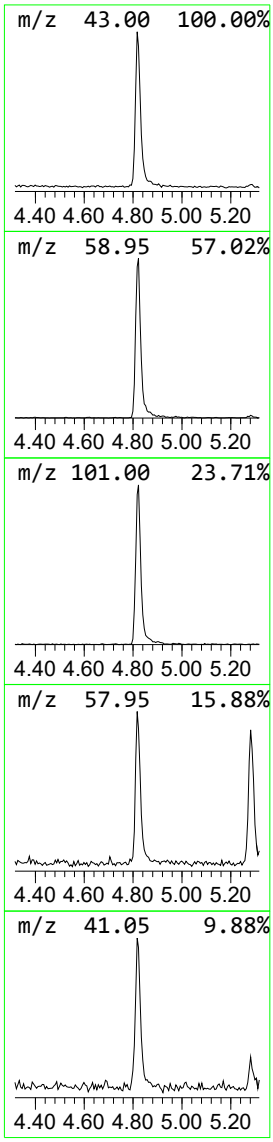
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.816	3.57 ng	103091	1,4-Dichlorobenzene-d4	7.652

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2	DL-Lactamide, N,N-dimethyl-, met...	131	C6H13NO2	1000452-57-0	33
3	Propane, 1-ethoxy-2-methyl-	102	C6H14O	000627-02-1	32
4	Tetraglyme	222	C10H22O5	000143-24-8	25
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052325\
Data File : BP024800.D
Acq On : 23 May 2025 19:51
Operator : RC/JU
Sample : Q2073-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
GDW1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

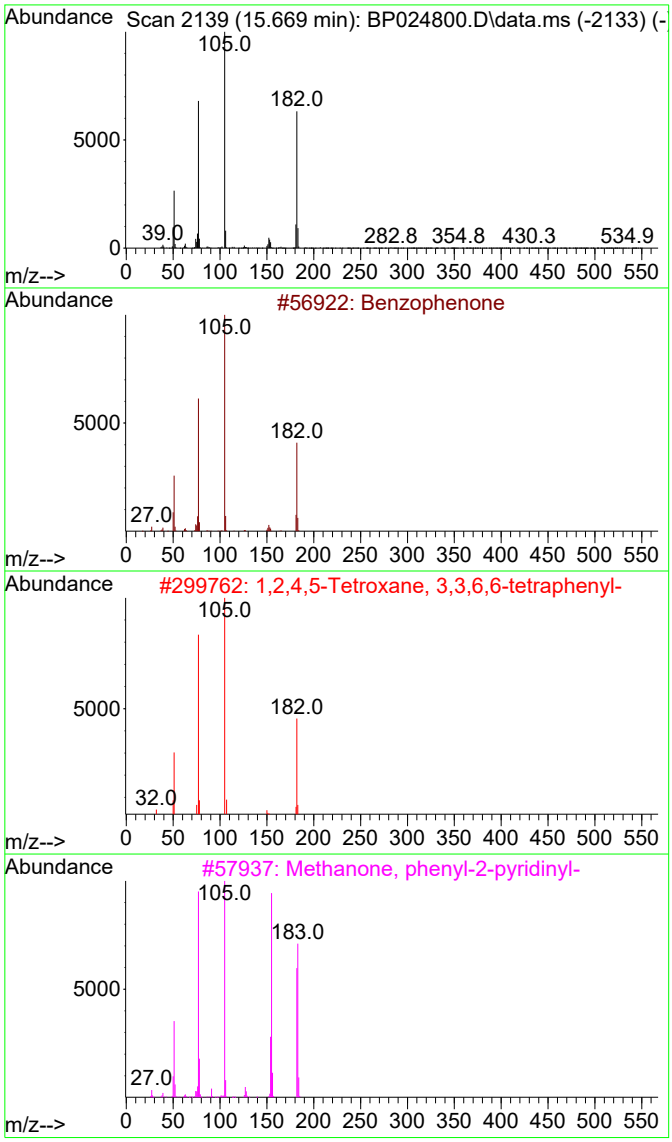
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

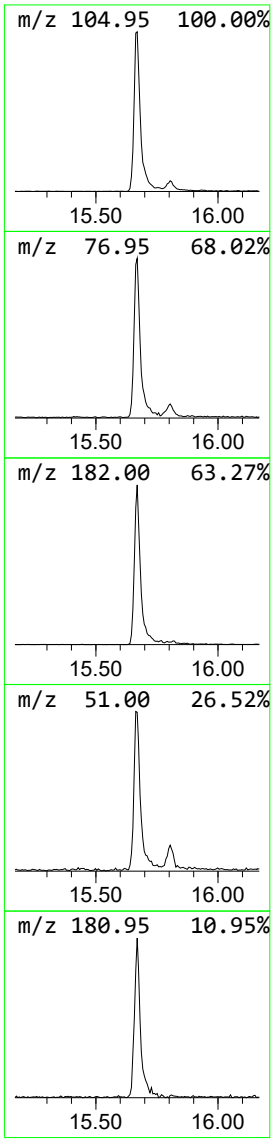
****

Peak Number 2 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.669	2.90 ng	176516	Acenaphthene-d10	14.281

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	1,2,4,5-Tetroxane, 3,3,6,6-tetra...	396	C26H20O4	016204-36-7	64
3	Methanone, phenyl-2-pyridinyl-	183	C12H9NO	000091-02-1	50
4	Isovanillic acid, O-methoxycarbo...	226	C10H10O6	1000487-72-5	43
5	Azobenzene	182	C12H10N2	000103-33-3	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052325\
Data File : BP024800.D
Acq On : 23 May 2025 19:51
Operator : RC/JU
Sample : Q2073-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
GDW1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.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-...	4.816	3.6	ng	103091	1	7.652	576746	20.0
Benzophenone	15.669	2.9	ng	176516	3	14.281	1217830	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052325\
Data File : BP024801.D
Acq On : 23 May 2025 20:32
Operator : RC/JU
Sample : Q2073-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 24 00:04:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
GDW2

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/27/2025
Supervised By :Jagrut Upadhyay 05/27/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.652	152	87294	20.000	ng	-0.01
21) Naphthalene-d8	10.416	136	334159	20.000	ng	-0.02
39) Acenaphthene-d10	14.287	164	218481	20.000	ng	-0.02
64) Phenanthrene-d10	17.092	188	466964	20.000	ng	0.00
76) Chrysene-d12	21.522	240	546335	20.000	ng	0.00
86) Perylene-d12	24.810	264	656670	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.287	112	264667	51.857	ng	0.00
7) Phenol-d6	6.864	99	176066	27.029	ng	0.01
23) Nitrobenzene-d5	8.799	82	451240	68.230	ng	-0.01
42) 2,4,6-Tribromophenol	15.804	330	524322	141.560	ng	0.00
45) 2-Fluorobiphenyl	12.887	172	1129754	67.746	ng	-0.02
79) Terphenyl-d14	19.816	244	2486402	78.037	ng	0.00
Target Compounds						Qvalue
35) Caprolactam	11.410	113	9982m	5.662	ng	

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

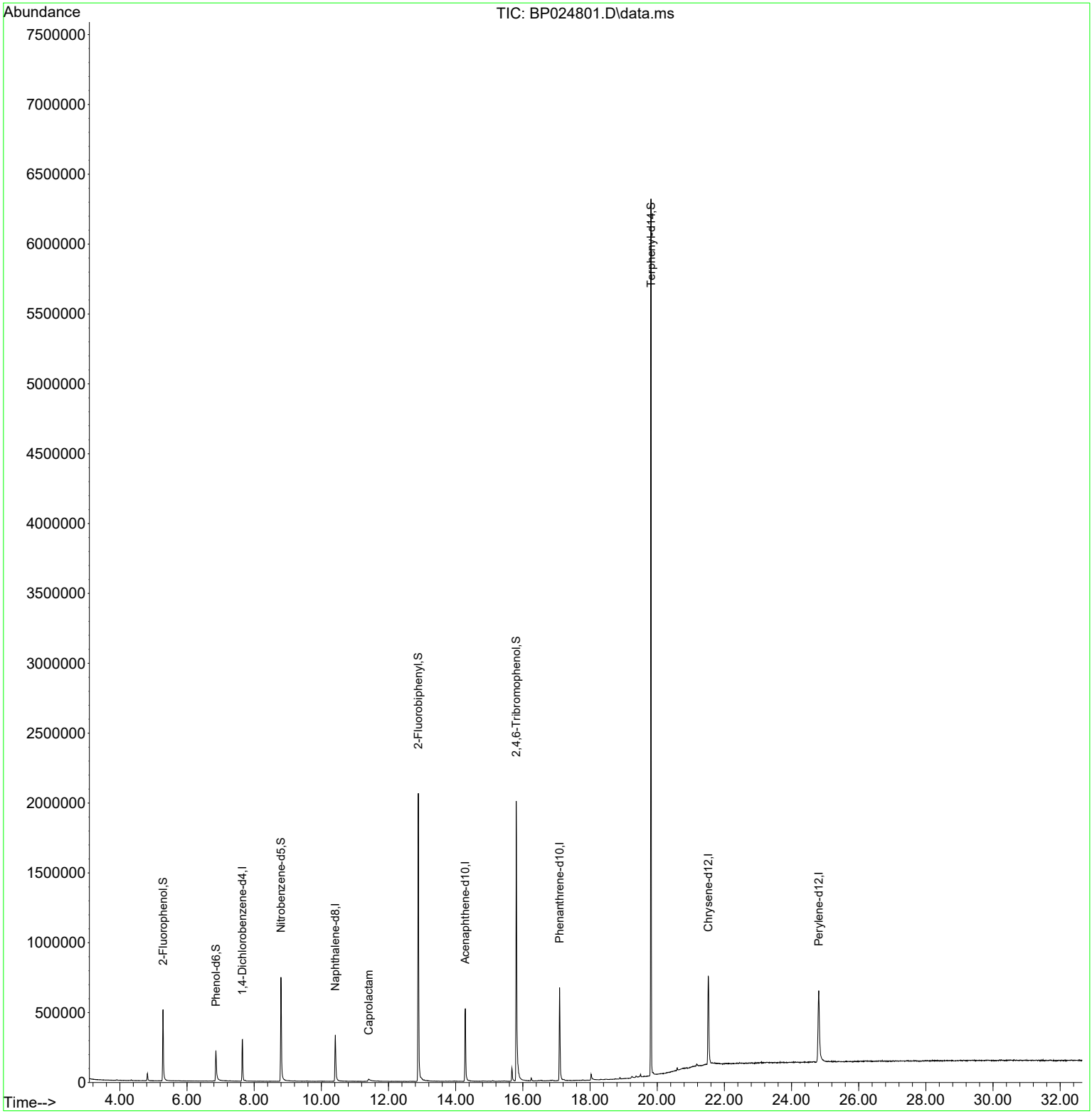
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052325\
Data File : BP024801.D
Acq On : 23 May 2025 20:32
Operator : RC/JU
Sample : Q2073-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

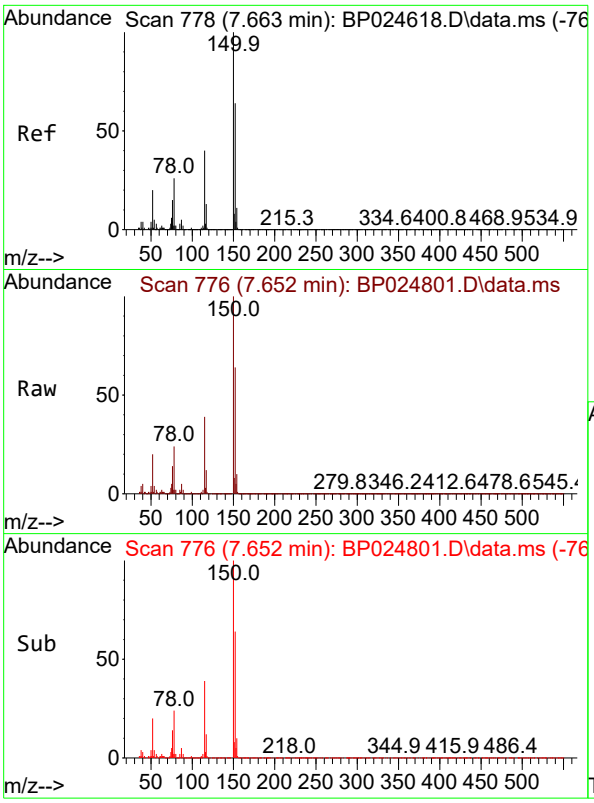
Quant Time: May 24 00:04:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
GDW2

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/27/2025
Supervised By :Jagrut Upadhyay 05/27/2025

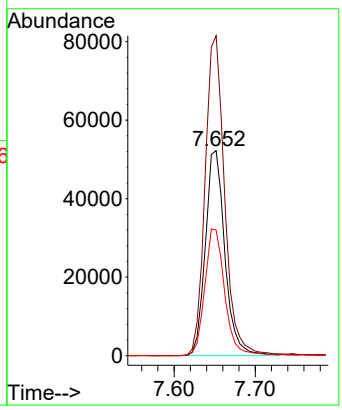




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.652 min Scan# 7
Delta R.T. -0.011 min
Lab File: BP024801.D
Acq: 23 May 2025 20:32

Tgt Ion:152 Resp: 8729

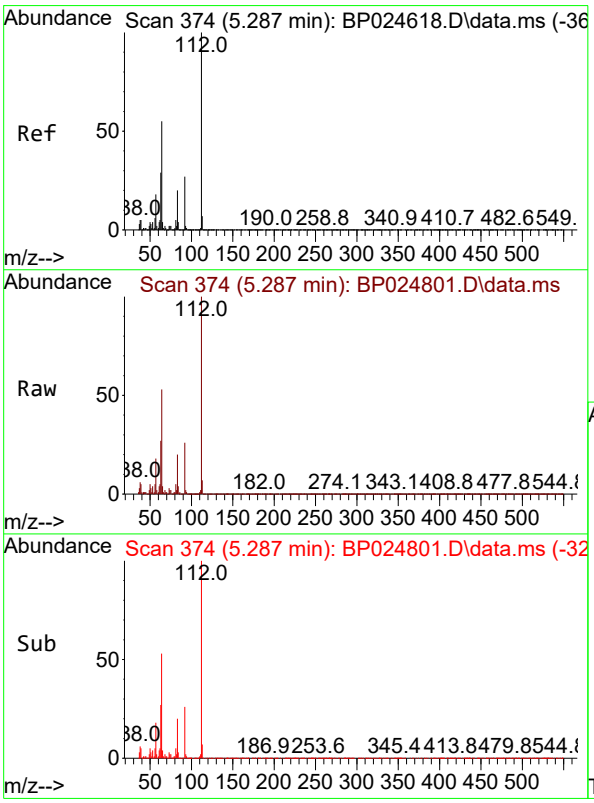
Ion	Ratio	Lower	Upper
152	100		
150	156.0	125.9	188.9
115	61.2	50.1	75.1



Instrument :
BNA_P
ClientSampleId :
GDW2

Manual Integrations APPROVED

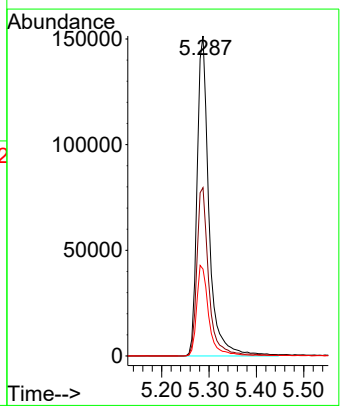
Reviewed By :Rahul Chavli 05/27/2025
Supervised By :Jagrut Upadhyay 05/27/2025

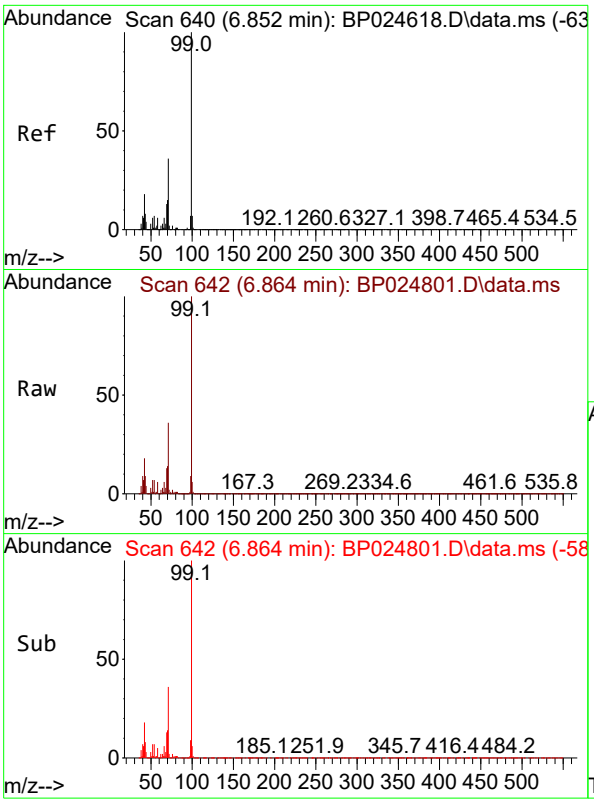


#5
2-Fluorophenol
Concen: 51.857 ng
RT: 5.287 min Scan# 374
Delta R.T. 0.000 min
Lab File: BP024801.D
Acq: 23 May 2025 20:32

Tgt Ion:112 Resp: 264667

Ion	Ratio	Lower	Upper
112	100		
64	52.6	44.1	66.1
63	27.2	23.5	35.3

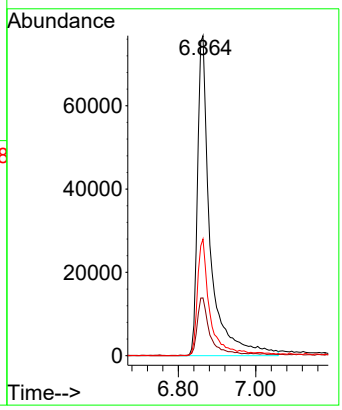




#7
Phenol-d6
Concen: 27.029 ng
RT: 6.864 min Scan# 64
Delta R.T. 0.012 min
Lab File: BP024801.D
Acq: 23 May 2025 20:32

Tgt Ion: 99 Resp: 17606

Ion	Ratio	Lower	Upper
99	100		
42	18.1	14.4	21.6
71	36.4	29.2	43.8



Instrument :
BNA_P
ClientSampleId :
GDW2

Manual Integrations
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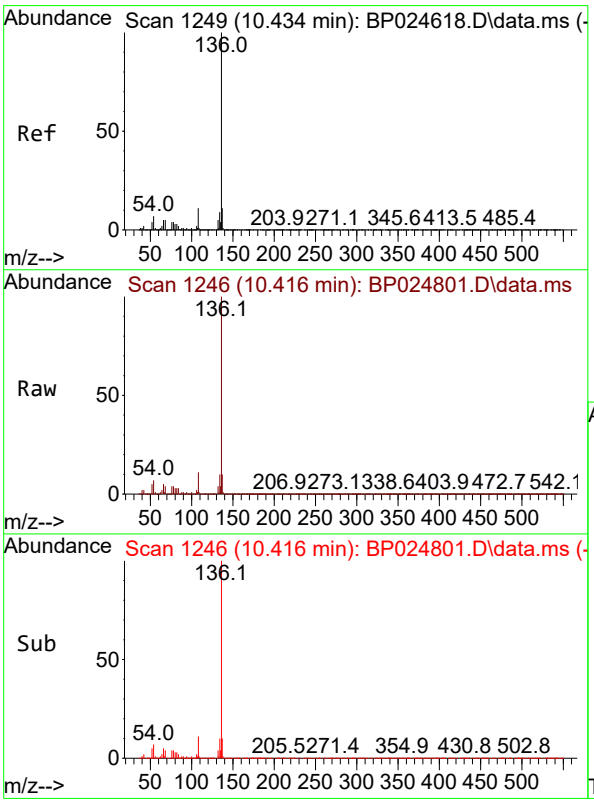
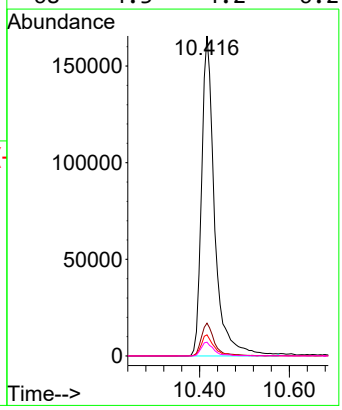
Reviewed By :Rahul Chavli 05/27/2025
Supervised By :Jagrut Upadhyay 05/27/2025

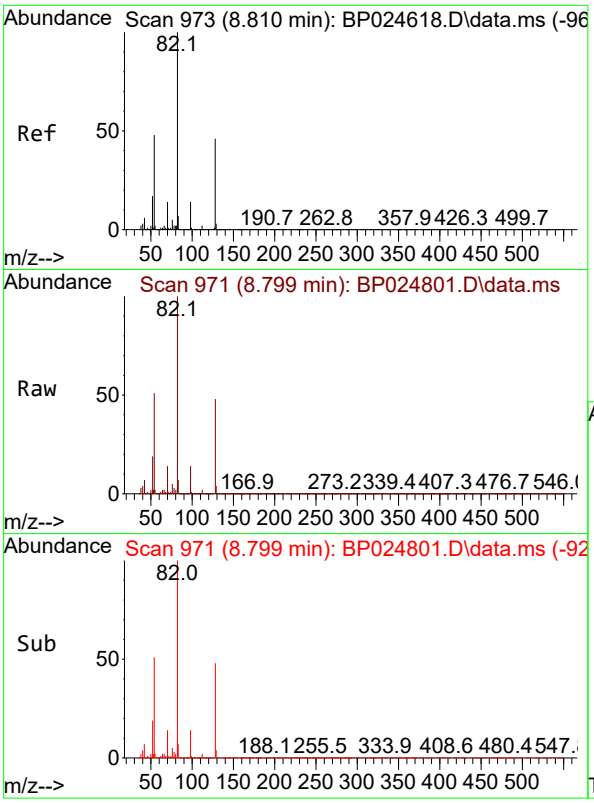


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.416 min Scan# 1246
Delta R.T. -0.018 min
Lab File: BP024801.D
Acq: 23 May 2025 20:32

Tgt Ion:136 Resp: 334159

Ion	Ratio	Lower	Upper
136	100		
137	10.2	8.8	13.2
54	6.6	5.5	8.3
68	4.3	4.2	6.2





#23
Nitrobenzene-d5
Concen: 68.230 ng
RT: 8.799 min Scan# 9
Delta R.T. -0.012 min
Lab File: BP024801.D
Acq: 23 May 2025 20:32

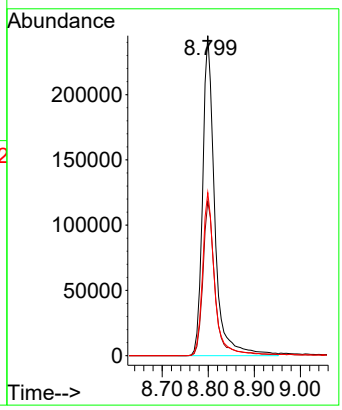
Tgt Ion: 82 Resp: 45124

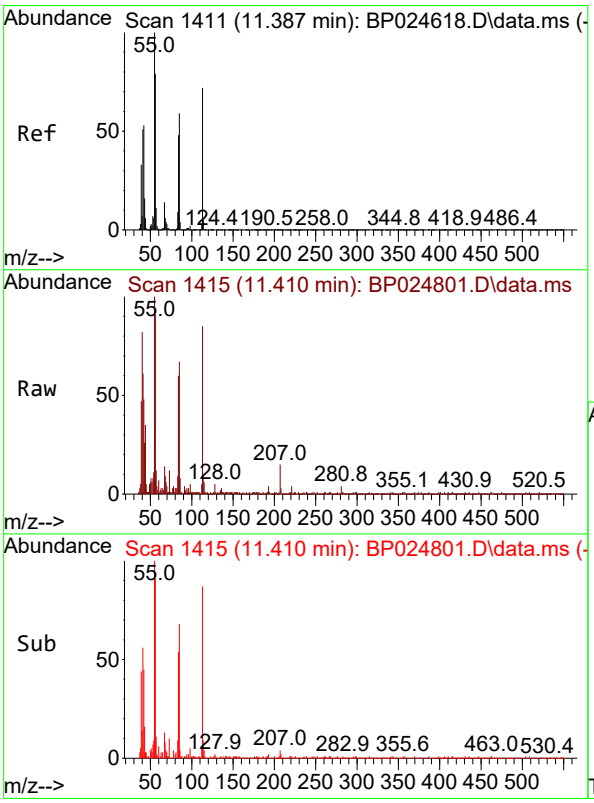
Ion	Ratio	Lower	Upper
82	100		
128	48.2	37.0	55.4
54	51.0	38.7	58.1

Instrument :
BNA_P
ClientSampleId :
GDW2

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 05/27/2025
Supervised By :Jagrut Upadhyay 05/27/2025

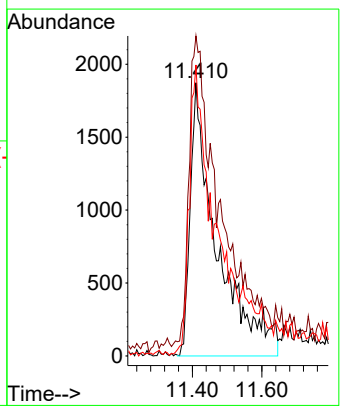


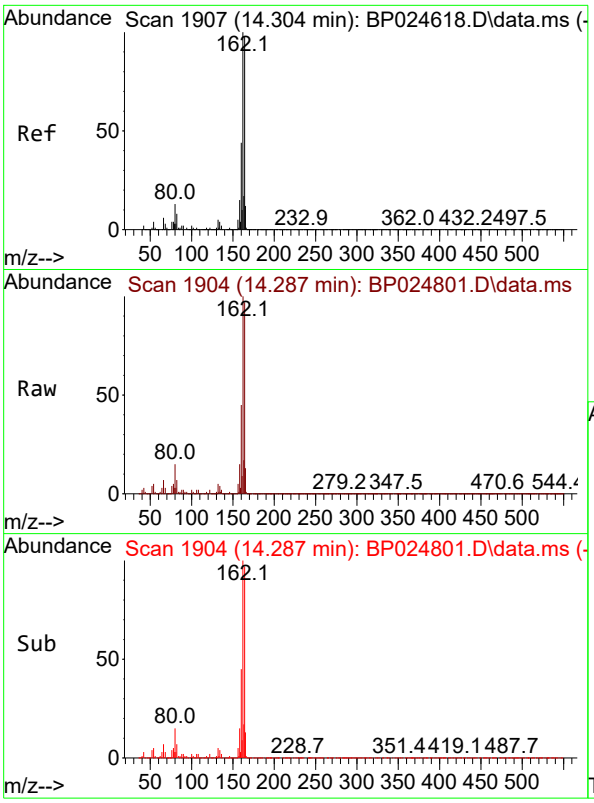


#35
Caprolactam
Concen: 5.662 ng m
RT: 11.410 min Scan# 1415
Delta R.T. 0.024 min
Lab File: BP024801.D
Acq: 23 May 2025 20:32

Tgt Ion:113 Resp: 9982

Ion	Ratio	Lower	Upper
113	100		
55	117.1	119.0	159.0#
56	106.5	90.3	130.3

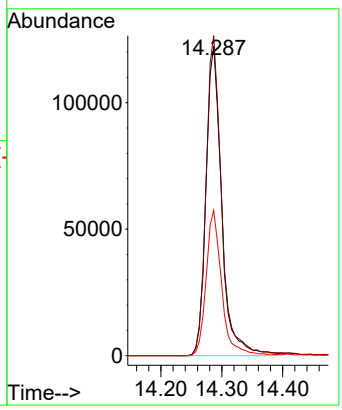




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.287 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024801.D
Acq: 23 May 2025 20:32

Tgt Ion:164 Resp: 21848

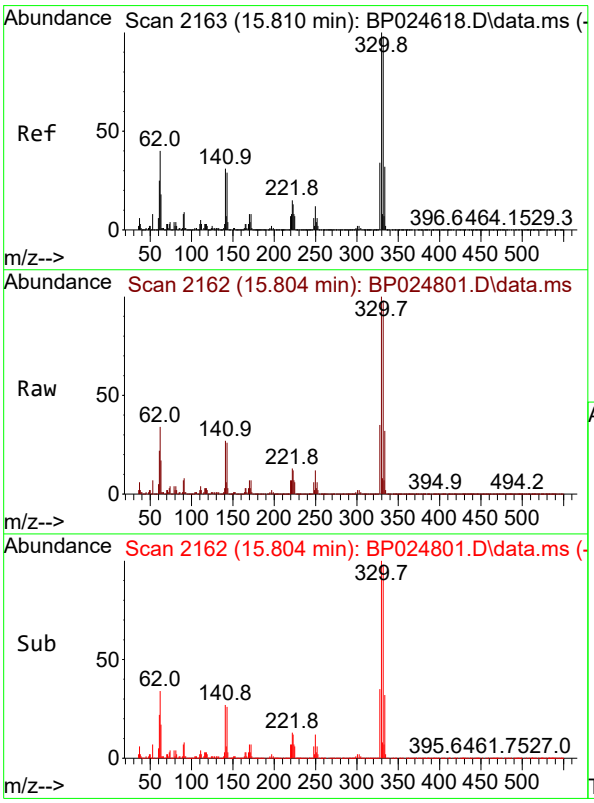
Ion	Ratio	Lower	Upper
164	100		
162	103.3	81.8	122.6
160	46.9	36.3	54.5



Instrument :
BNA_P
ClientSampleId :
GDW2

Manual Integrations APPROVED

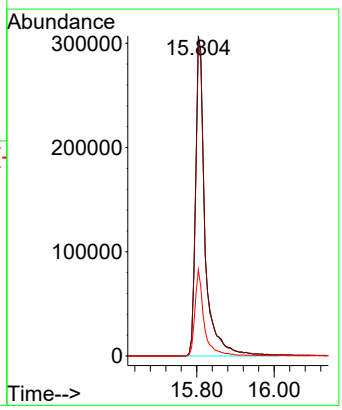
Reviewed By :Rahul Chavli 05/27/2025
Supervised By :Jagrut Upadhyay 05/27/2025

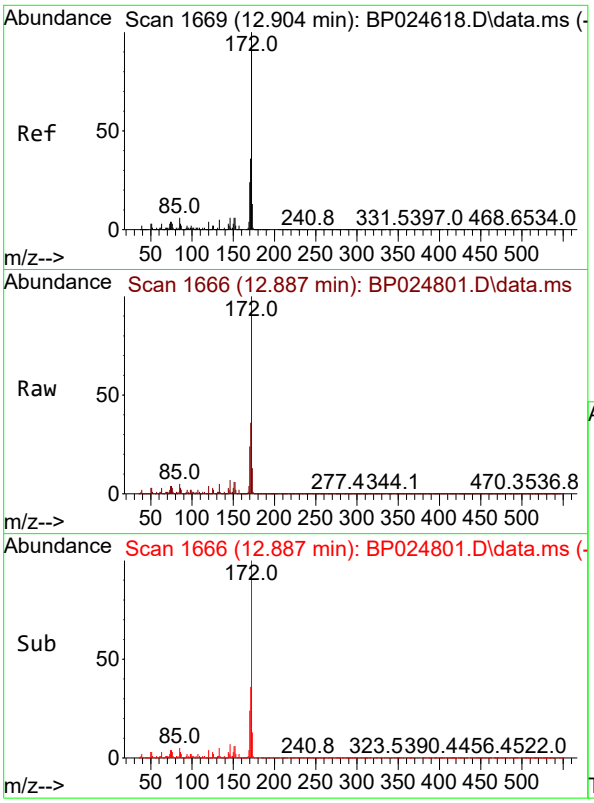


#42
2,4,6-Tribromophenol
Concen: 141.560 ng
RT: 15.804 min Scan# 2162
Delta R.T. -0.006 min
Lab File: BP024801.D
Acq: 23 May 2025 20:32

Tgt Ion:330 Resp: 524322

Ion	Ratio	Lower	Upper
330	100		
332	97.8	78.2	117.4
141	26.1	24.3	36.5

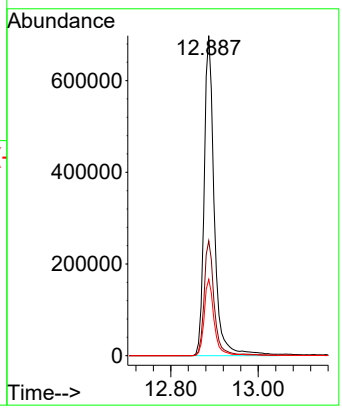




#45
2-Fluorobiphenyl
Concen: 67.746 ng
RT: 12.887 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024801.D
Acq: 23 May 2025 20:32

Tgt Ion:172 Resp: 112975

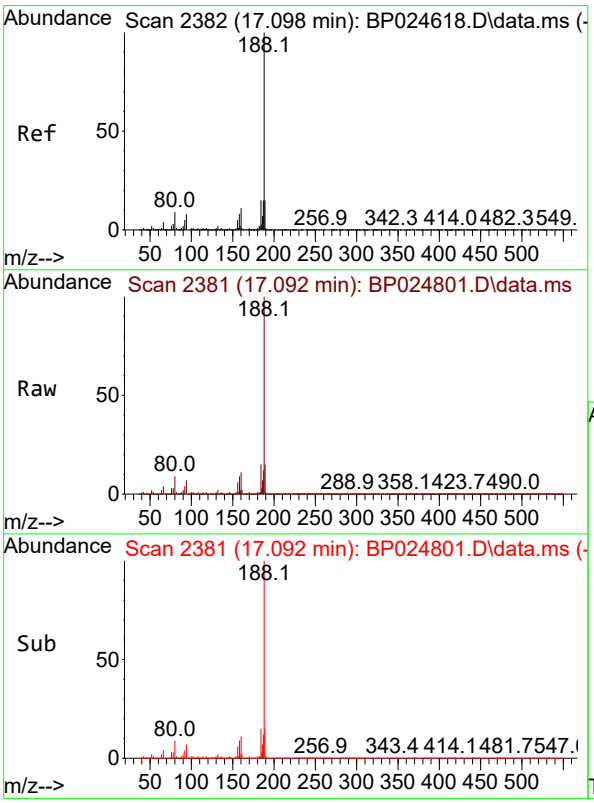
Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.8	43.2
170	23.8	18.8	28.2



Instrument :
BNA_P
ClientSampleId :
GDW2

Manual Integrations APPROVED

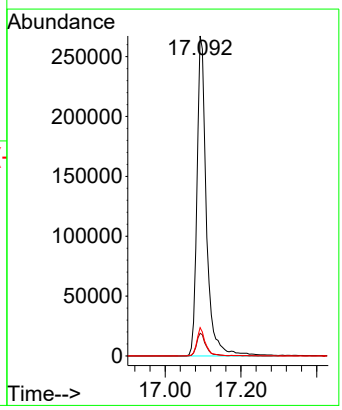
Reviewed By :Rahul Chavli 05/27/2025
Supervised By :Jagrut Upadhyay 05/27/2025

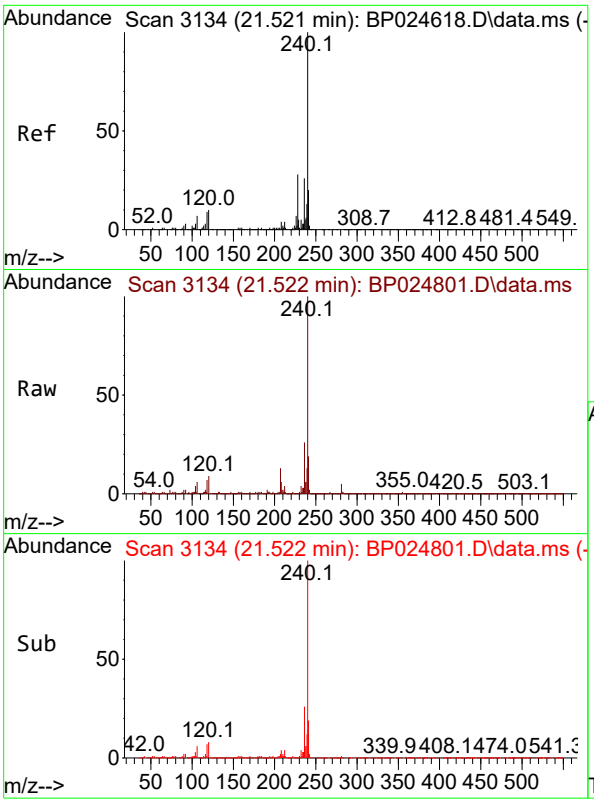


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.092 min Scan# 2381
Delta R.T. -0.006 min
Lab File: BP024801.D
Acq: 23 May 2025 20:32

Tgt Ion:188 Resp: 466964

Ion	Ratio	Lower	Upper
188	100		
94	7.1	6.5	9.7
80	8.8	7.3	10.9

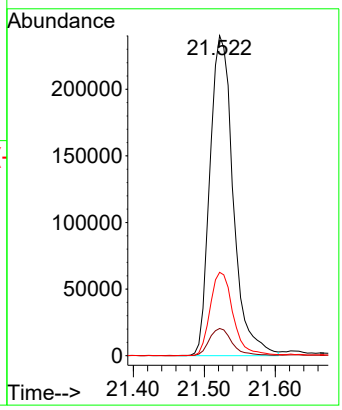




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.522 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024801.D
Acq: 23 May 2025 20:32

Tgt Ion:240 Resp: 54633

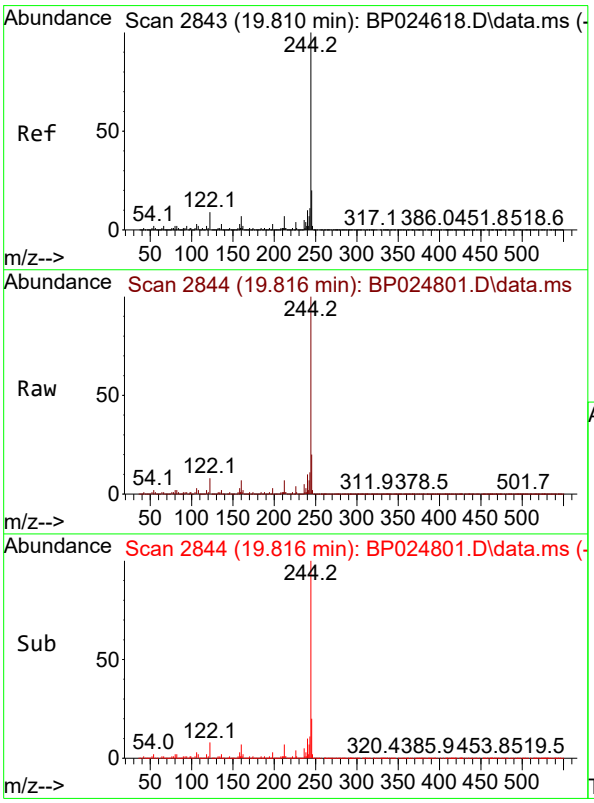
Ion	Ratio	Lower	Upper
240	100		
120	8.5	7.8	11.6
236	26.0	20.6	31.0



Instrument :
BNA_P
ClientSampleId :
GDW2

Manual Integrations APPROVED

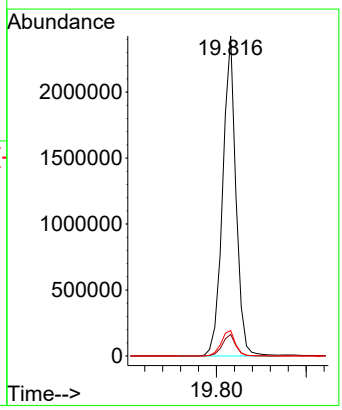
Reviewed By :Rahul Chavli 05/27/2025
Supervised By :Jagrut Upadhyay 05/27/2025

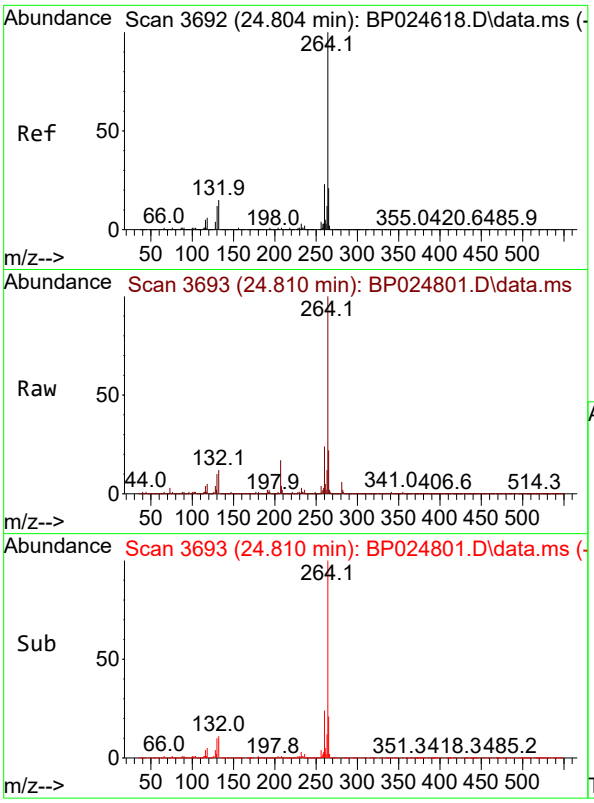


#79
Terphenyl-d14
Concen: 78.037 ng
RT: 19.816 min Scan# 2844
Delta R.T. 0.006 min
Lab File: BP024801.D
Acq: 23 May 2025 20:32

Tgt Ion:244 Resp: 2486402

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.5	8.3
122	7.9	7.4	11.0

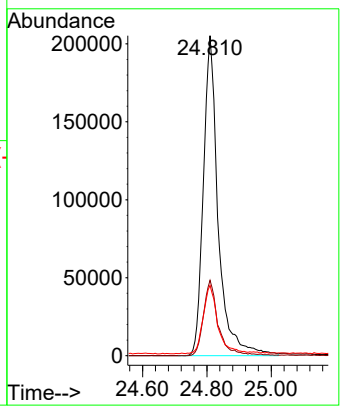




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.810 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024801.D
Acq: 23 May 2025 20:32

Tgt Ion:264 Resp: 65667

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.7	28.1
265	21.9	17.0	25.6



Instrument :
BNA_P
ClientSampleId :
GDW2

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 05/27/2025
Supervised By :Jagrut Upadhyay 05/27/2025

A B C D E F G H I J K

Sample Results: **BP024801.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052325\
Data File : BP024801.D
Acq On : 23 May 2025 20:32
Operator : RC/JU
Sample : Q2073-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
GDW2

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP024801.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.822	290	295	305	rBV	51509	76111	1.16%	0.336%
2	5.287	368	374	392	rBV	510636	894207	13.66%	3.952%
3	6.864	636	642	662	rBV	213414	482289	7.37%	2.131%
4	7.652	768	776	786	rBV	298786	507635	7.75%	2.243%
5	8.799	963	971	995	rBV	744885	1378678	21.06%	6.093%
6	10.416	1239	1246	1268	rBV	330787	662921	10.13%	2.930%
7	11.410	1408	1415	1436	rBV6	15019	71221	1.09%	0.315%
8	12.887	1659	1666	1693	rBV	2060937	3321993	50.74%	14.681%
9	14.287	1896	1904	1923	rBV	520938	943110	14.41%	4.168%
10	15.675	2133	2140	2150	rBV	95326	168138	2.57%	0.743%
11	15.804	2156	2162	2197	rBV	2002641	3357125	51.28%	14.837%
12	17.092	2375	2381	2394	rBV2	665986	1140066	17.41%	5.038%
13	18.034	2536	2541	2549	rBV3	43742	87904	1.34%	0.388%
14	19.816	2838	2844	2852	rBV	6274588	6546989	100.00%	28.934%
15	21.522	3128	3134	3148	rBV2	628729	1417719	21.65%	6.266%
16	24.810	3684	3693	3724	rVB	504725	1571189	24.00%	6.944%

Sum of corrected areas: 22627295

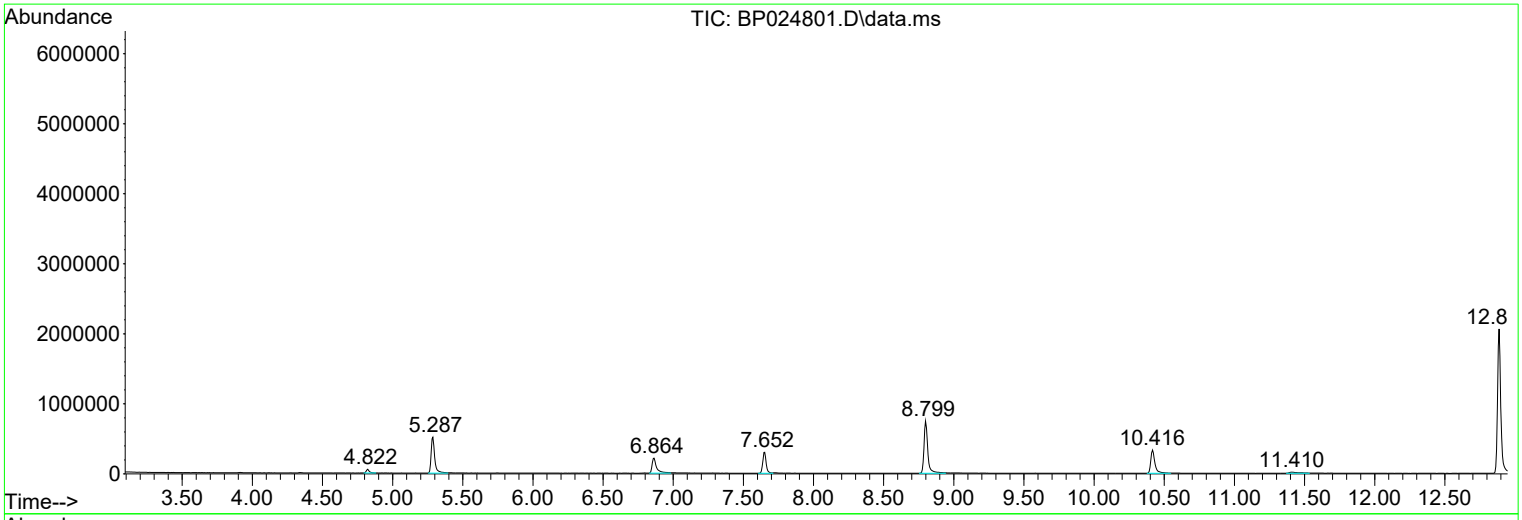
Sample Results: **BP024801.D**

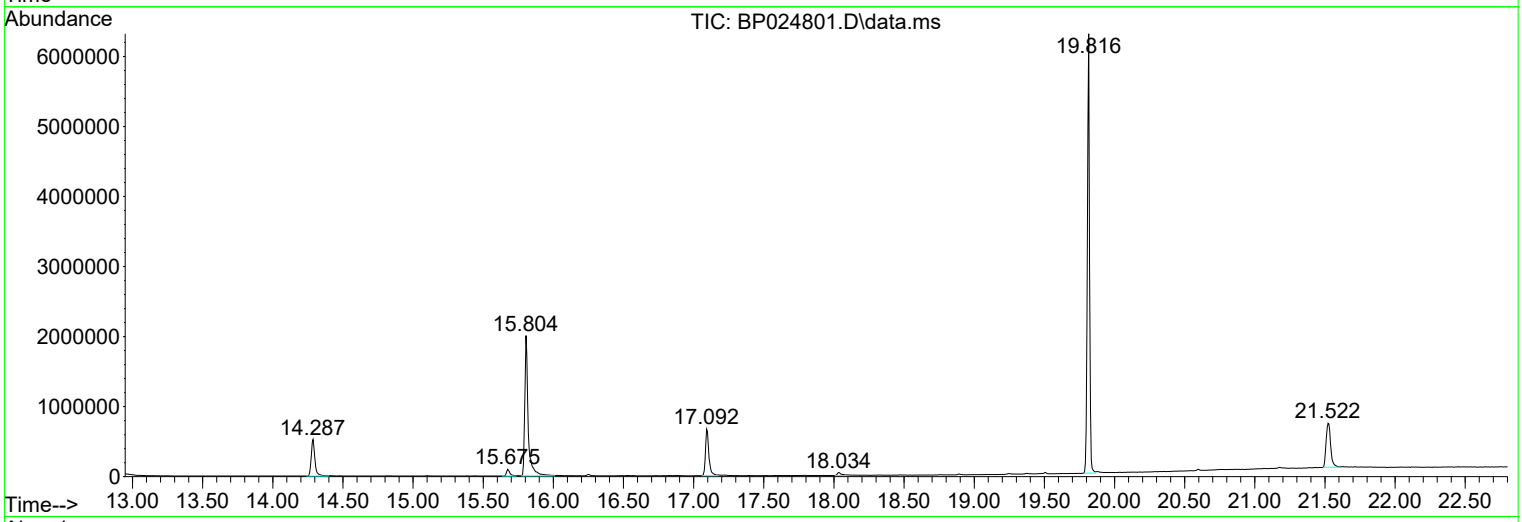
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052325\
Data File : BP024801.D
Acq On : 23 May 2025 20:32
Operator : RC/JU
Sample : Q2073-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

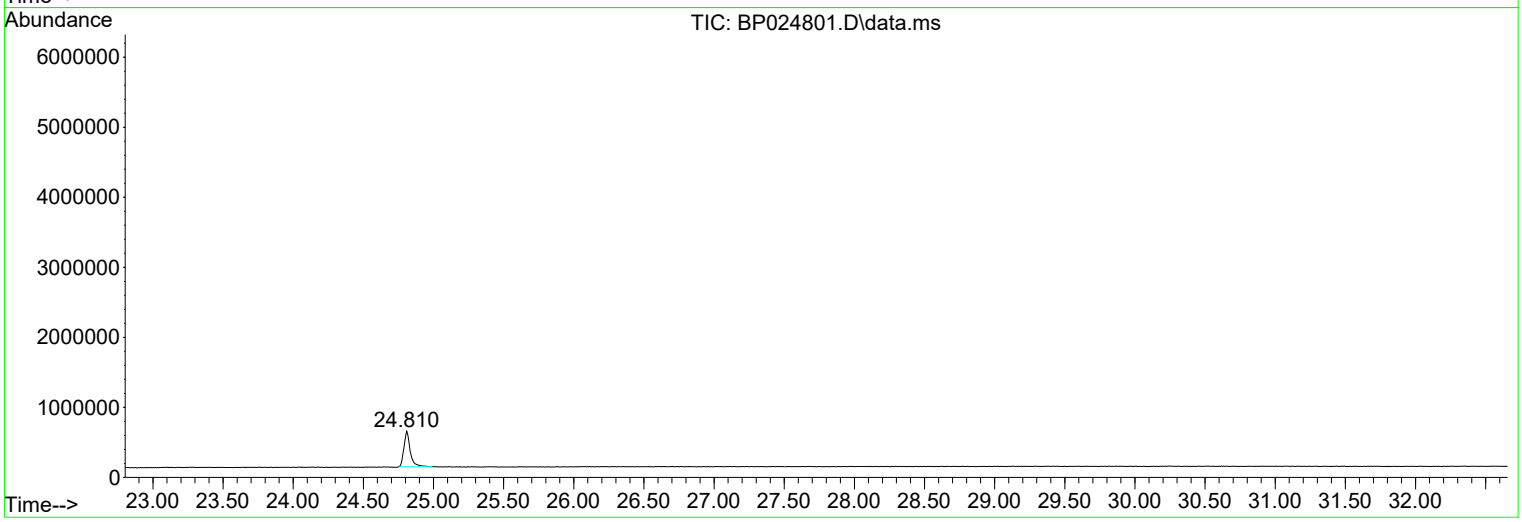
Instrument :
BNA_P
ClientSampleId :
GDW2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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







Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052325\
Data File : BP024801.D
Acq On : 23 May 2025 20:32
Operator : RC/JU
Sample : Q2073-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
GDW2

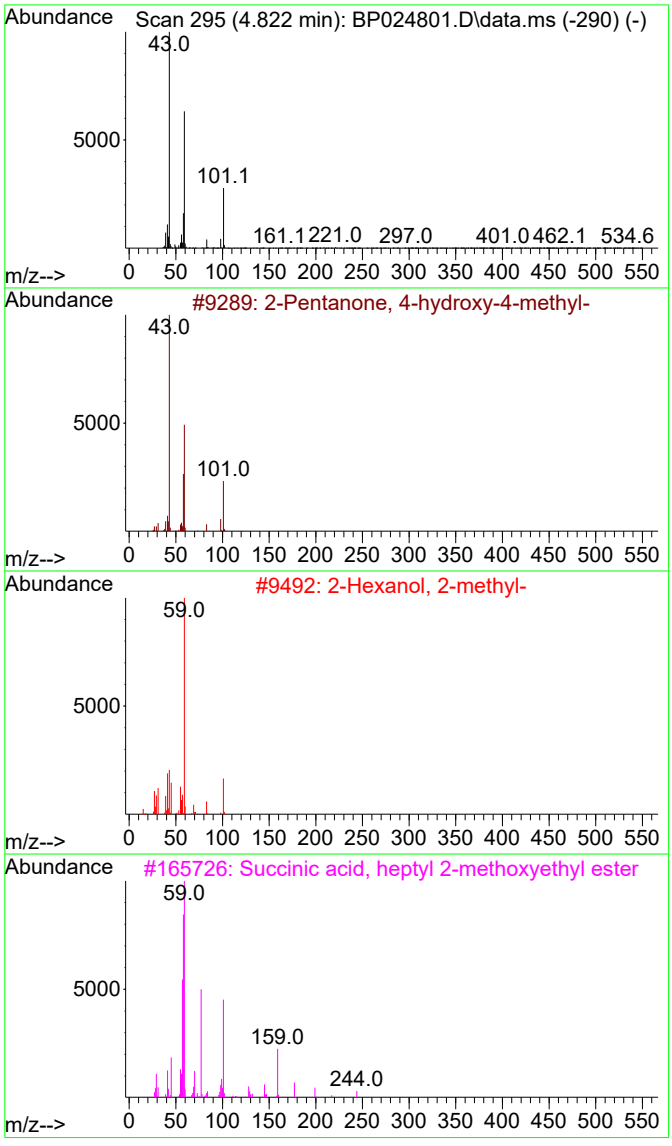
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

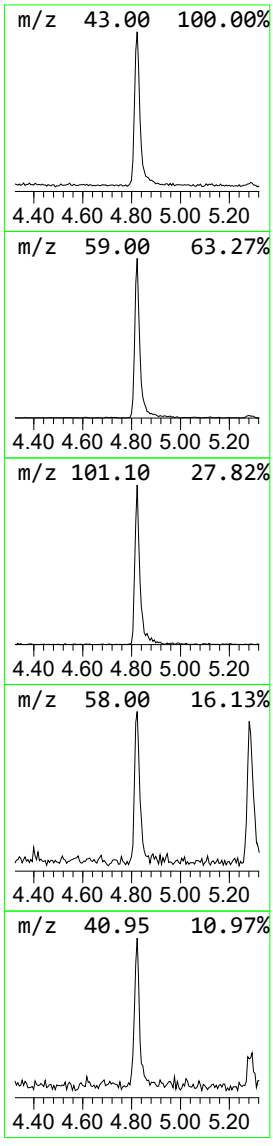
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.822	3.00 ng	76111	1,4-Dichlorobenzene-d4	7.652

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	53
3	Succinic acid, heptyl 2-methoxye...	274	C14H26O5	1000325-80-7	33
4	Hydrazine, 1,1-bis(1-methylethyl)-	116	C6H16N2	000921-14-2	28
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052325\
Data File : BP024801.D
Acq On : 23 May 2025 20:32
Operator : RC/JU
Sample : Q2073-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
GDW2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

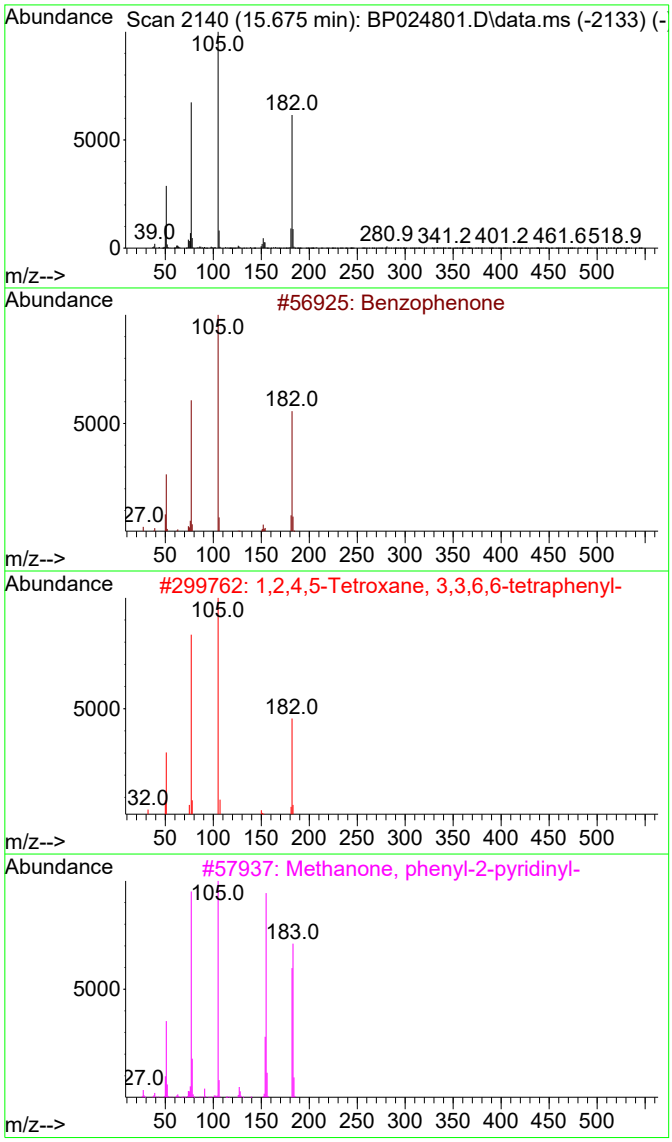
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

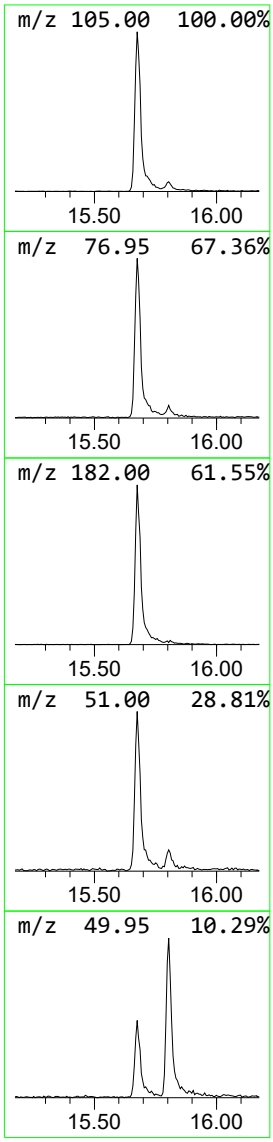
****

Peak Number 2 Benzophenone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.675	3.57 ng	168138	Acenaphthene-d10	14.287

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	1,2,4,5-Tetroxane, 3,3,6,6-tetra...	396	C26H20O4	016204-36-7	64
3	Methanone, phenyl-2-pyridinyl-	183	C12H9NO	000091-02-1	56
4	Benzenamine, N-(3-pyridinylmethy...	182	C12H10N2	029722-97-2	45
5	1,2,4-Trioxolane, 3,3,5-triphenyl-	304	C20H16O3	023246-12-0	42





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052325\
Data File : BP024801.D
Acq On : 23 May 2025 20:32
Operator : RC/JU
Sample : Q2073-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
GDW2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.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-...	4.822	3.0	ng	76111	1	7.652	507635	20.0
Benzophenone	15.675	3.6	ng	168138	3	14.287	943110	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052225\
Data File : BP024754.D
Acq On : 22 May 2025 11:37
Operator : RC/JU
Sample : PB168098BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB168098BL

Quant Time: May 22 11:56:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

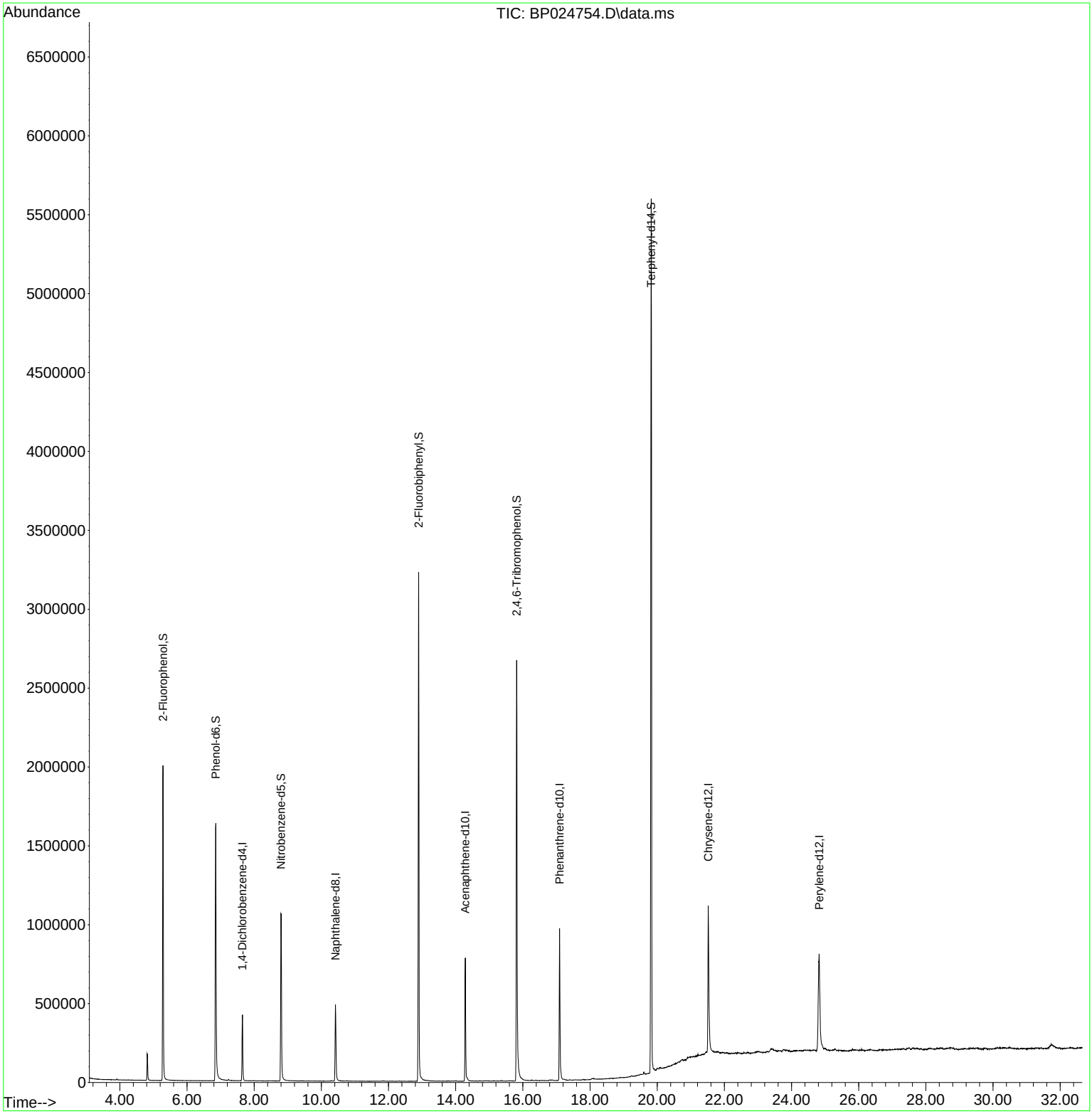
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.652	152	115351	20.000	ng	-0.01
21) Naphthalene-d8	10.422	136	453620	20.000	ng	-0.01
39) Acenaphthene-d10	14.287	164	285428	20.000	ng	-0.02
64) Phenanthrene-d10	17.092	188	613349	20.000	ng	0.00
76) Chrysene-d12	21.522	240	715536	20.000	ng	0.00
86) Perylene-d12	24.821	264	855120	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.287	112	894994	132.705	ng	0.00
7) Phenol-d6	6.858	99	1057300	122.835	ng	0.00
23) Nitrobenzene-d5	8.799	82	673508	75.019	ng	-0.01
42) 2,4,6-Tribromophenol	15.816	330	734079	151.706	ng	0.00
45) 2-Fluorobiphenyl	12.898	172	1683571	77.276	ng	0.00
79) Terphenyl-d14	19.822	244	3464548	83.024	ng	0.01
Target Compounds						Qvalue

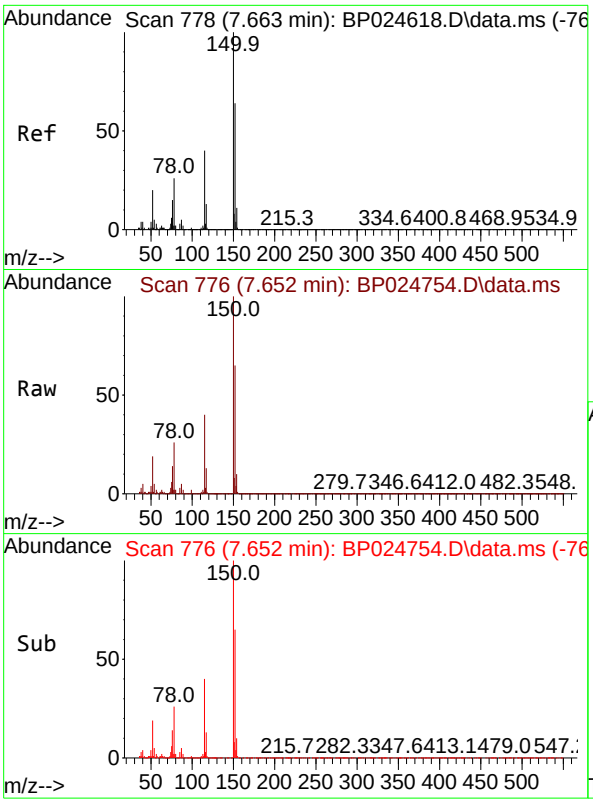
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052225\
Data File : BP024754.D
Acq On : 22 May 2025 11:37
Operator : RC/JU
Sample : PB168098BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB168098BL

Quant Time: May 22 11:56:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration



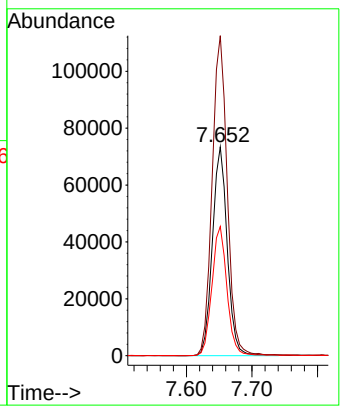


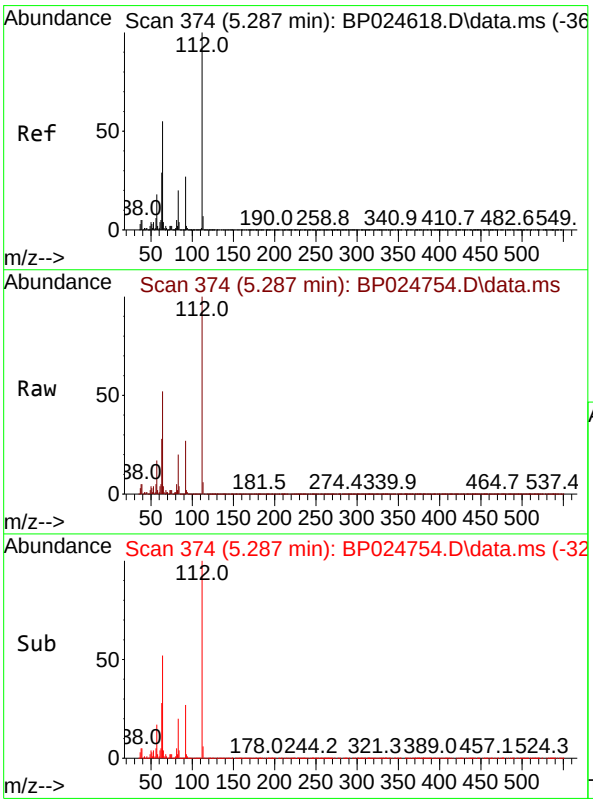
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.652 min Scan# 7
Delta R.T. -0.011 min
Lab File: BP024754.D
Acq: 22 May 2025 11:37

Instrument :
BNA_P
ClientSampleId :
PB168098BL

Tgt Ion:152 Resp: 115351

Ion	Ratio	Lower	Upper
152	100		
150	153.2	125.9	188.9
115	61.8	50.1	75.1

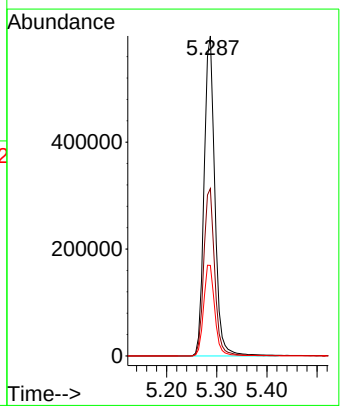


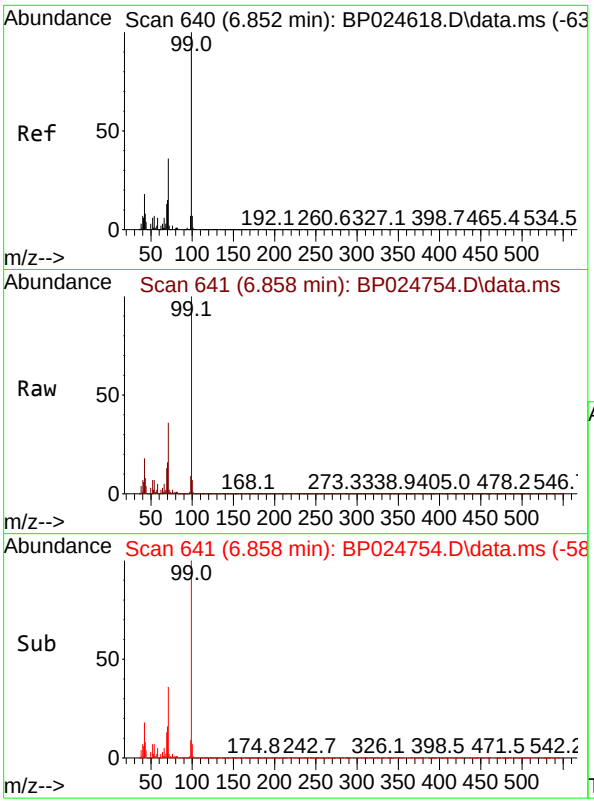


#5
2-Fluorophenol
Concen: 132.705 ng
RT: 5.287 min Scan# 374
Delta R.T. 0.000 min
Lab File: BP024754.D
Acq: 22 May 2025 11:37

Tgt Ion:112 Resp: 894994

Ion	Ratio	Lower	Upper
112	100		
64	52.3	44.1	66.1
63	28.3	23.5	35.3



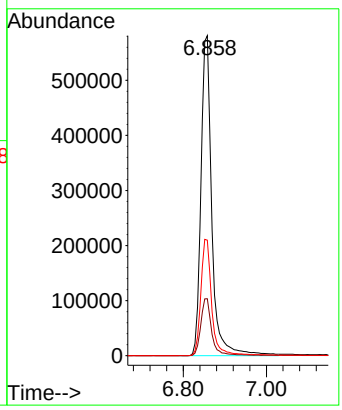


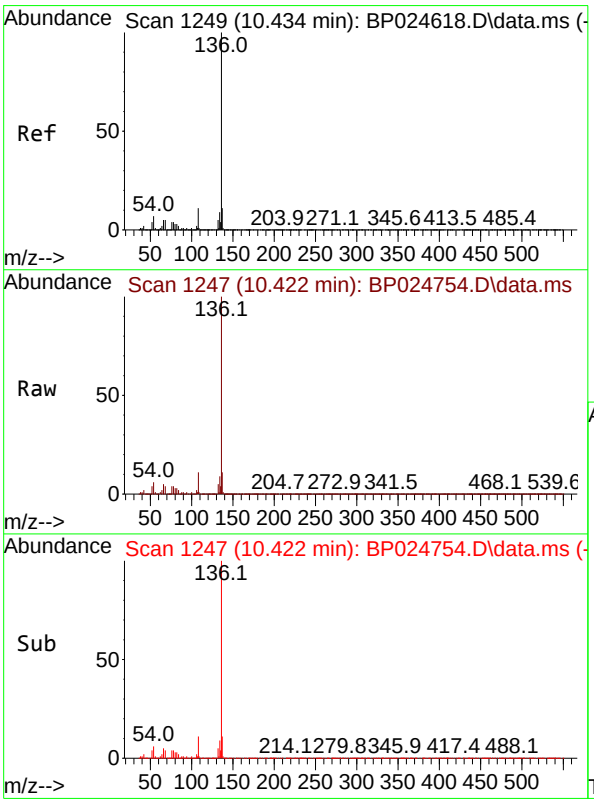
#7
Phenol-d6
Concen: 122.835 ng
RT: 6.858 min Scan# 64
Delta R.T. 0.006 min
Lab File: BP024754.D
Acq: 22 May 2025 11:37

Instrument :
BNA_P
ClientSampleId :
PB168098BL

Tgt Ion: 99 Resp: 1057300

Ion	Ratio	Lower	Upper
99	100		
42	17.8	14.4	21.6
71	36.1	29.2	43.8

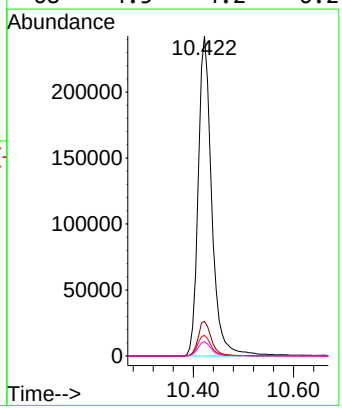


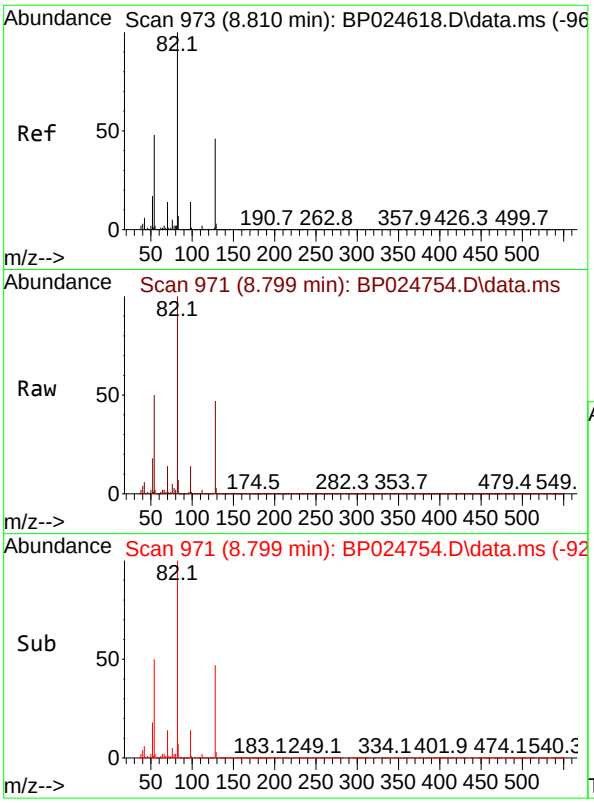


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.422 min Scan# 1247
Delta R.T. -0.012 min
Lab File: BP024754.D
Acq: 22 May 2025 11:37

Tgt Ion:136 Resp: 453620

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	6.5	5.5	8.3
68	4.5	4.2	6.2



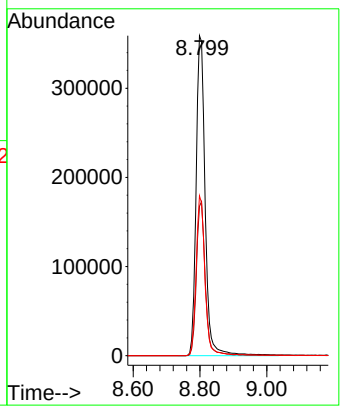


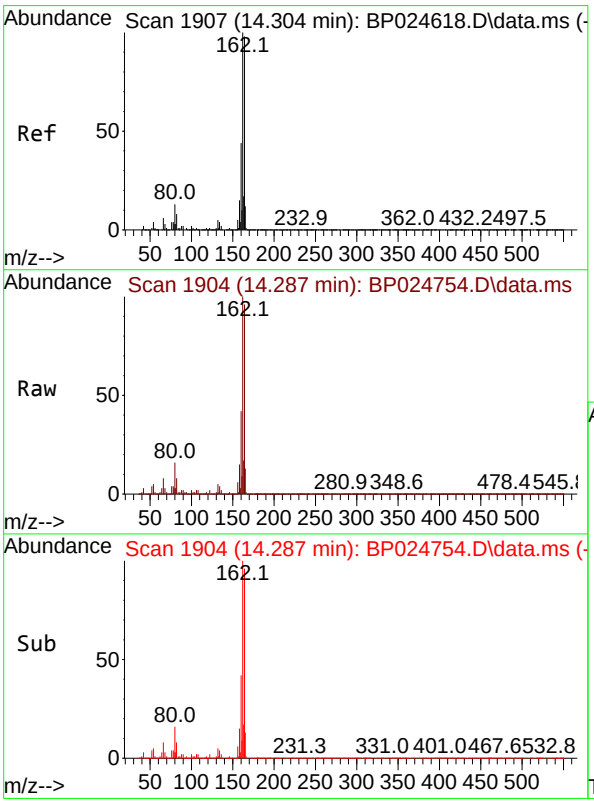
#23
Nitrobenzene-d5
Concen: 75.019 ng
RT: 8.799 min Scan# 9
Delta R.T. -0.012 min
Lab File: BP024754.D
Acq: 22 May 2025 11:37

Instrument :
BNA_P
ClientSampleId :
PB168098BL

Tgt Ion: 82 Resp: 673508

Ion	Ratio	Lower	Upper
82	100		
128	46.7	37.0	55.4
54	50.0	38.7	58.1

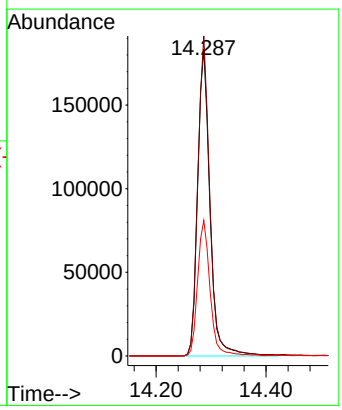


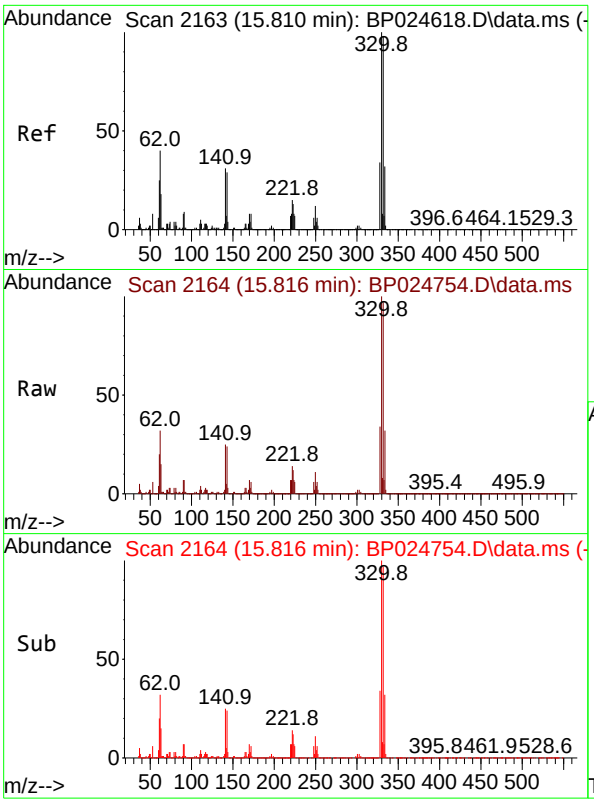


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.287 min Scan# 1904
Delta R.T. -0.018 min
Lab File: BP024754.D
Acq: 22 May 2025 11:37

Tgt Ion:164 Resp: 285428

Ion	Ratio	Lower	Upper
164	100		
162	104.3	81.8	122.6
160	44.2	36.3	54.5



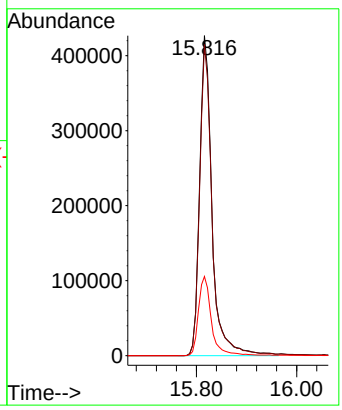


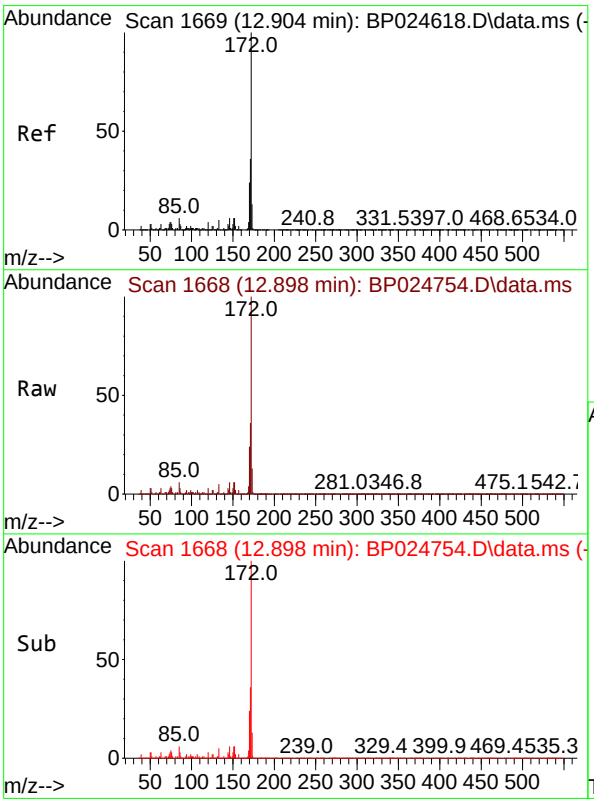
#42
2,4,6-Tribromophenol
Concen: 151.706 ng
RT: 15.816 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024754.D
Acq: 22 May 2025 11:37

Instrument :
BNA_P
ClientSampleId :
PB168098BL

Tgt Ion:330 Resp: 734079

Ion	Ratio	Lower	Upper
330	100		
332	96.6	78.2	117.4
141	26.0	24.3	36.5

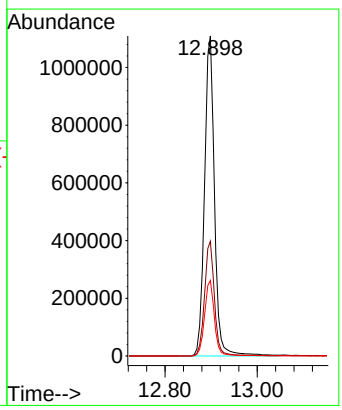


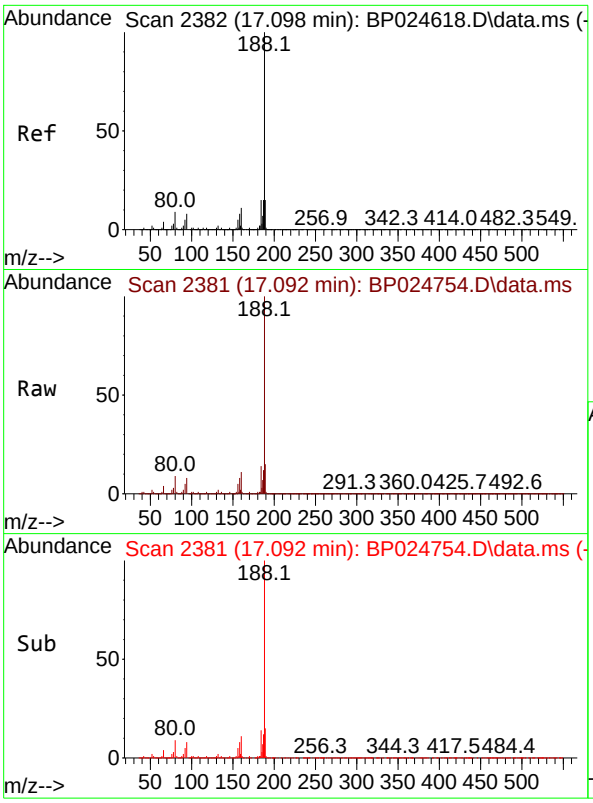


#45
2-Fluorobiphenyl
Concen: 77.276 ng
RT: 12.898 min Scan# 1668
Delta R.T. -0.006 min
Lab File: BP024754.D
Acq: 22 May 2025 11:37

Tgt Ion:172 Resp: 1683571

Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.8	43.2
170	23.6	18.8	28.2



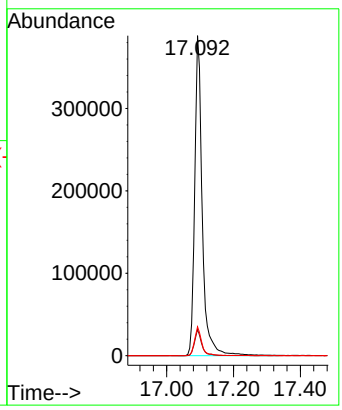


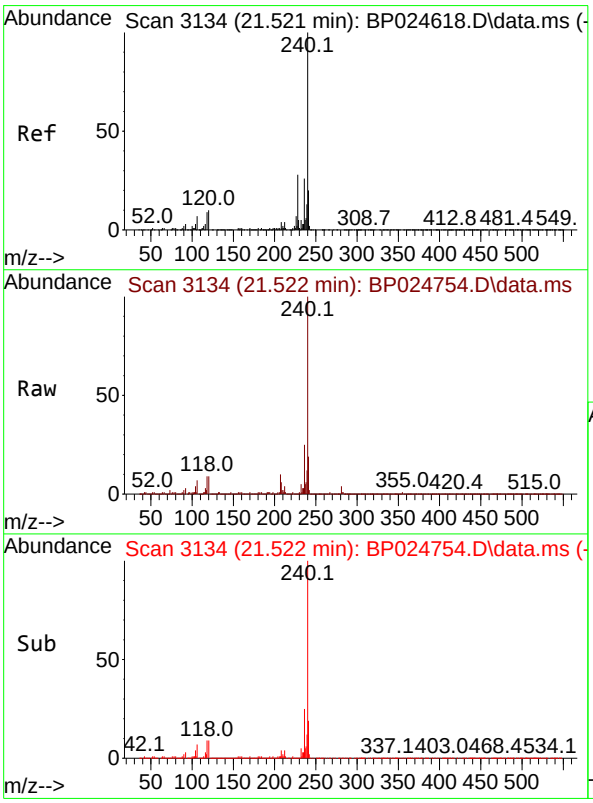
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.092 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024754.D
Acq: 22 May 2025 11:37

Instrument :
BNA_P
ClientSampleId :
PB168098BL

Tgt Ion:188 Resp: 613349

Ion	Ratio	Lower	Upper
188	100		
94	8.2	6.5	9.7
80	9.0	7.3	10.9

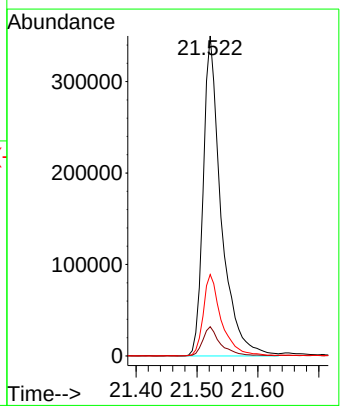


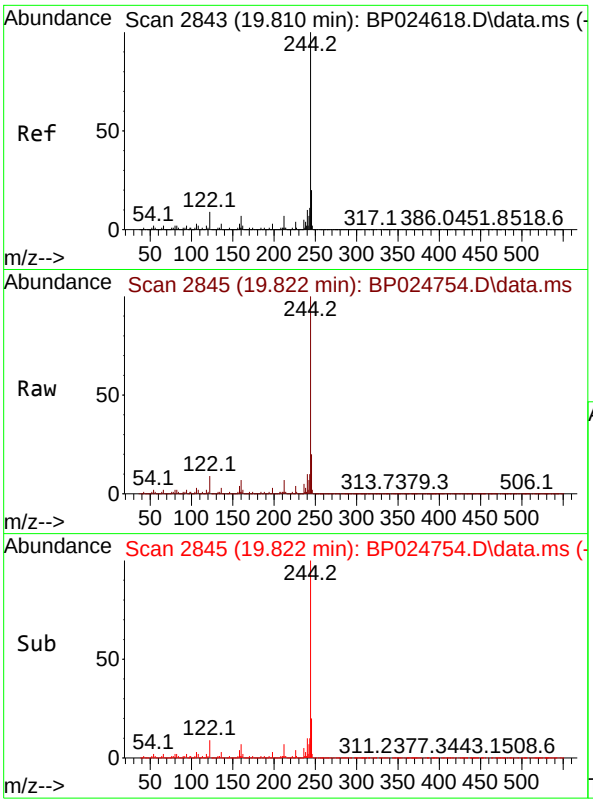


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.522 min Scan# 3134
Delta R.T. 0.000 min
Lab File: BP024754.D
Acq: 22 May 2025 11:37

Tgt Ion:240 Resp: 715536

Ion	Ratio	Lower	Upper
240	100		
120	9.2	7.8	11.6
236	25.4	20.6	31.0



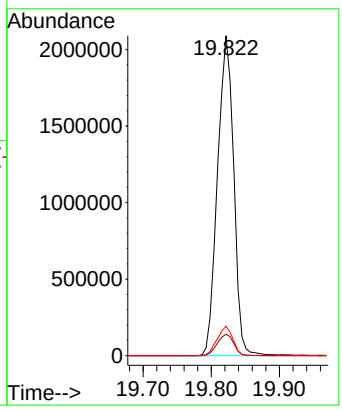


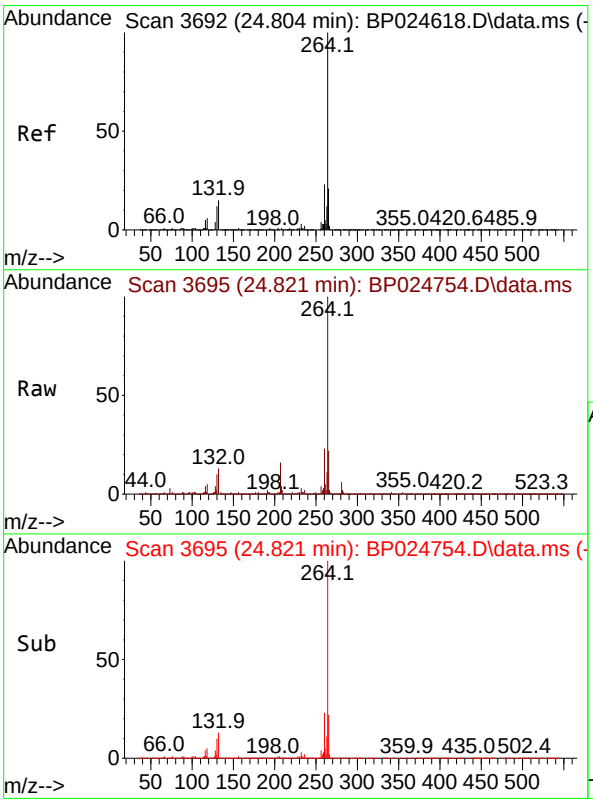
#79
Terphenyl-d14
Concen: 83.024 ng
RT: 19.822 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024754.D
Acq: 22 May 2025 11:37

Instrument :
BNA_P
ClientSampleId :
PB168098BL

Tgt Ion:244 Resp: 3464548

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.5	8.3
122	9.2	7.4	11.0

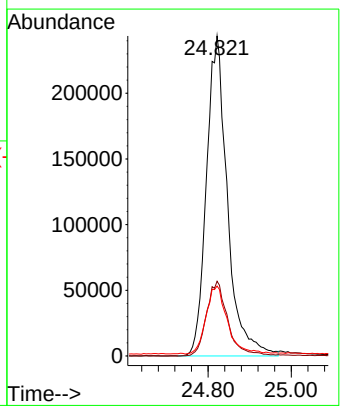




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.821 min Scan# 3695
Delta R.T. 0.018 min
Lab File: BP024754.D
Acq: 22 May 2025 11:37

Tgt Ion:264 Resp: 855120

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.7	28.1
265	21.8	17.0	25.6



Sample Results: **BP024754.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052225\
Data File : BP024754.D
Acq On : 22 May 2025 11:37
Operator : RC/JU
Sample : PB168098BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB168098BL

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP024754.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.817	289	294	305	rBV	167951	245360	2.67%	0.696%
2	5.287	367	374	393	rBV	1996534	3035991	33.06%	8.608%
3	6.858	633	641	663	rBV	1632502	2994622	32.61%	8.491%
4	7.652	769	776	789	rBV	417926	669511	7.29%	1.898%
5	8.799	964	971	992	rBV	1061924	1997168	21.75%	5.662%
6	10.422	1239	1247	1267	rBV	483347	907210	9.88%	2.572%
7	12.898	1660	1668	1691	rBV	3226526	4912047	53.49%	13.927%
8	14.287	1897	1904	1923	rBV	781372	1224011	13.33%	3.470%
9	15.816	2155	2164	2189	rBV	2666622	4709882	51.29%	13.354%
10	17.092	2375	2381	2397	rBV	961914	1507216	16.41%	4.273%
11	19.822	2838	2845	2856	rBV	5540480	9183714	100.00%	26.038%
12	21.522	3128	3134	3159	rBV2	926946	1917826	20.88%	5.438%
13	24.821	3685	3695	3709	rBV	596760	1965620	21.40%	5.573%

Sum of corrected areas: 35270178

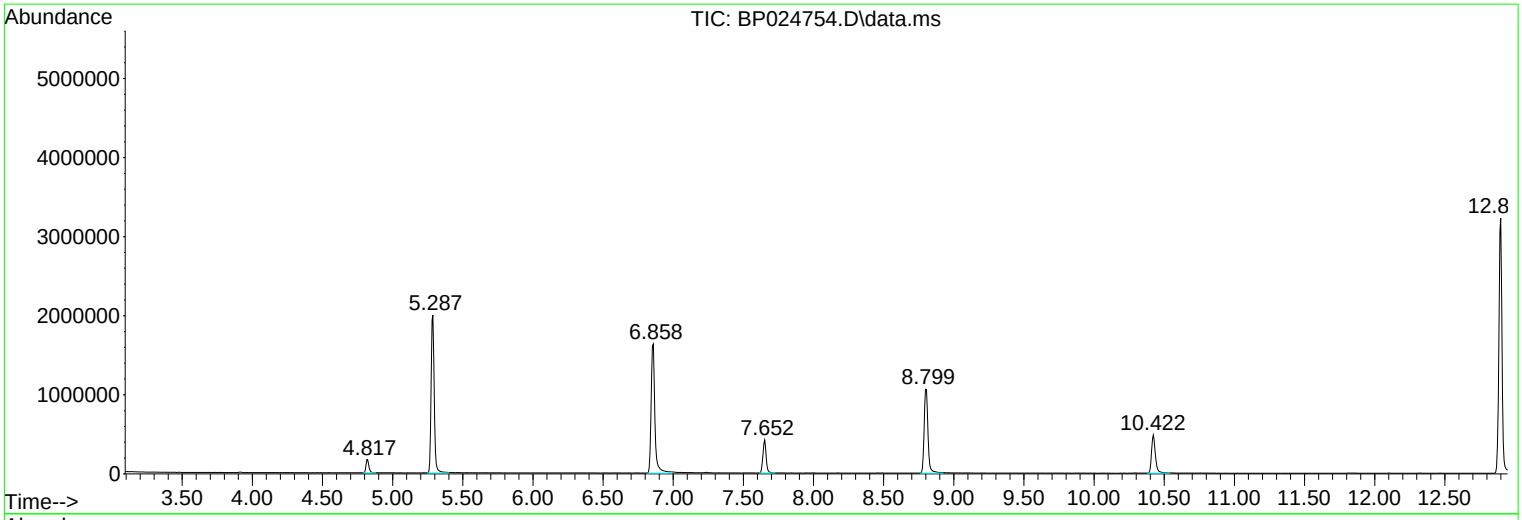
Sample Results: **BP024754.D**

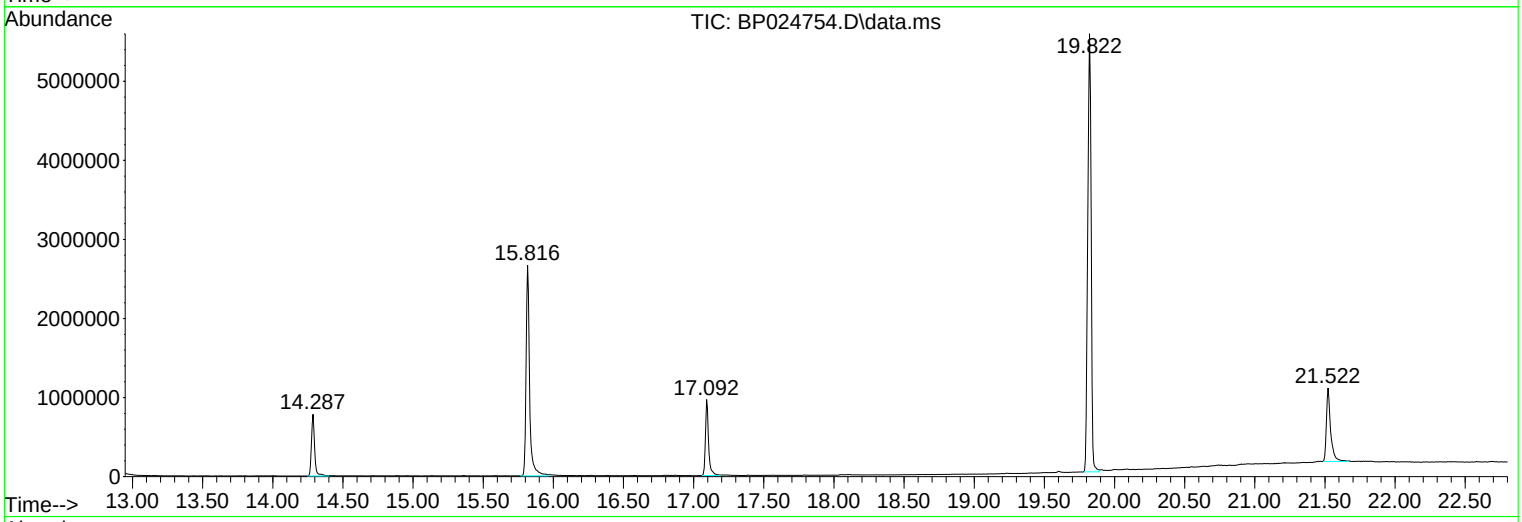
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052225\
Data File : BP024754.D
Acq On : 22 May 2025 11:37
Operator : RC/JU
Sample : PB168098BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

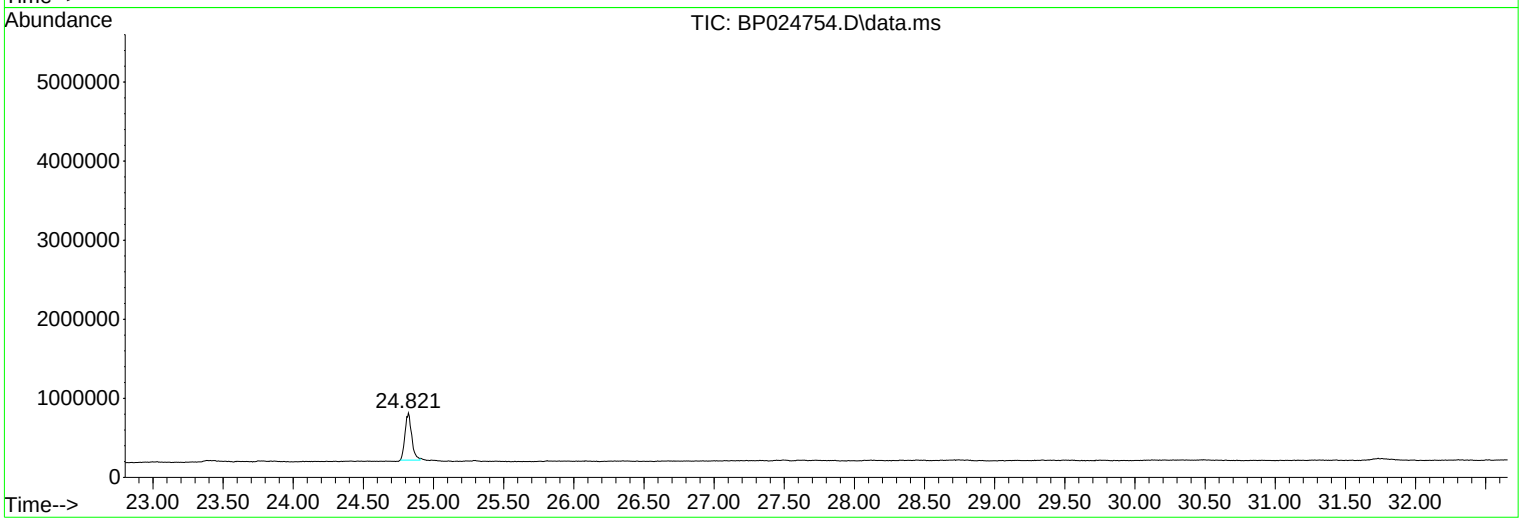
Instrument :
BNA_P
ClientSampleId :
PB168098BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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







Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052225\
Data File : BP024754.D
Acq On : 22 May 2025 11:37
Operator : RC/JU
Sample : PB168098BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB168098BL

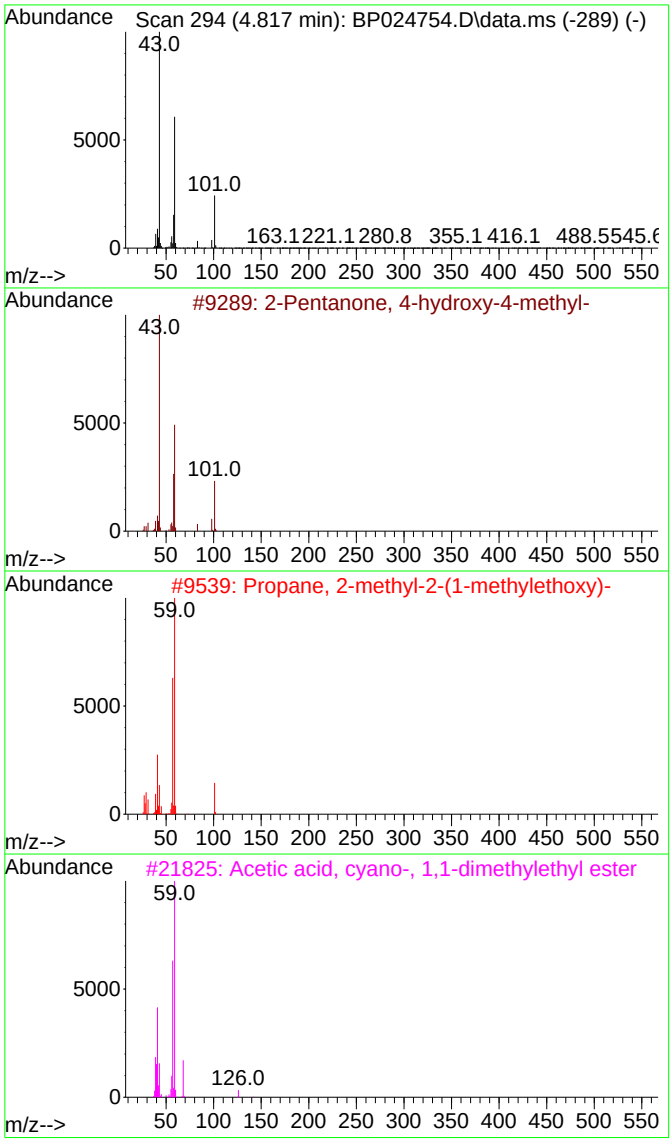
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

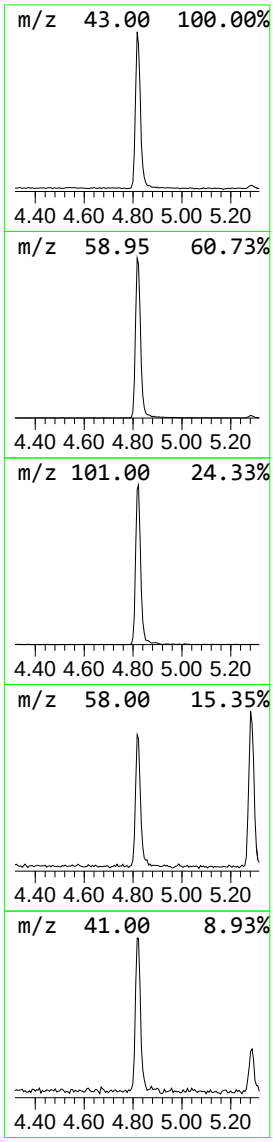
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.817	7.33 ng	245360	1,4-Dichlorobenzene-d4	7.652

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	50
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	17
5	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052225\
Data File : BP024754.D
Acq On : 22 May 2025 11:37
Operator : RC/JU
Sample : PB168098BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB168098BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.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-...	4.817	7.3	ng	245360	1	7.652	669511	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052225\
Data File : BP024755.D
Acq On : 22 May 2025 12:18
Operator : RC/JU
Sample : PB168098BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB168098BS

Quant Time: May 22 12:38:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.652	152	114889	20.000	ng		-0.01
21) Naphthalene-d8	10.422	136	451979	20.000	ng		-0.01
39) Acenaphthene-d10	14.287	164	283120	20.000	ng		-0.02
64) Phenanthrene-d10	17.087	188	568580	20.000	ng		-0.01
76) Chrysene-d12	21.522	240	655197	20.000	ng		0.00
86) Perylene-d12	24.821	264	754804	20.000	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.287	112	867127	129.090	ng		0.00
7) Phenol-d6	6.858	99	1057180	123.315	ng		0.00
23) Nitrobenzene-d5	8.805	82	651125	72.789	ng		0.00
42) 2,4,6-Tribromophenol	15.810	330	680647	141.810	ng		0.00
45) 2-Fluorobiphenyl	12.899	172	1649799	76.344	ng		0.00
79) Terphenyl-d14	19.810	244	2976627	77.900	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.223	88	98847	31.338	ng		98
3) Pyridine	3.617	79	239621	34.261	ng		97
4) n-Nitrosodimethylamine	3.528	42	124929	40.460	ng		94
6) Aniline	6.993	93	218881	19.775	ng		97
8) 2-Chlorophenol	7.234	128	341699	44.810	ng		97
9) Benzaldehyde	6.811	77	190341	34.298	ng		98
10) Phenol	6.881	94	377815	42.699	ng		97
11) bis(2-Chloroethyl)ether	7.087	93	272267	37.447	ng		99
12) 1,3-Dichlorobenzene	7.540	146	357815	40.785	ng		99
13) 1,4-Dichlorobenzene	7.687	146	366569	41.544	ng		100
14) 1,2-Dichlorobenzene	7.999	146	353360	41.098	ng		98
15) Benzyl Alcohol	7.899	79	276507	42.443	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.169	45	322660	37.056	ng		98
17) 2-Methylphenol	8.111	107	269118	42.405	ng		99
18) Hexachloroethane	8.716	117	135259	40.002	ng		98
19) n-Nitroso-di-n-propyla...	8.452	70	213658	36.029	ng		98
20) 3+4-Methylphenols	8.440	107	358510	41.529	ng		99
22) Acetophenone	8.469	105	469924	41.622	ng	#	99
24) Nitrobenzene	8.846	77	325051	41.292	ng		95
25) Isophorone	9.363	82	601615	38.772	ng		98
26) 2-Nitrophenol	9.546	139	182128	47.215	ng		99
27) 2,4-Dimethylphenol	9.622	122	307524	45.217	ng		99
28) bis(2-Chloroethoxy)met...	9.840	93	366188	39.501	ng		99
29) 2,4-Dichlorophenol	10.093	162	308337	46.784	ng		97
30) 1,2,4-Trichlorobenzene	10.287	180	324103	43.639	ng		98
31) Naphthalene	10.469	128	1006478	42.972	ng		100
32) Benzoic acid	9.799	122	216738m	46.123	ng		
33) 4-Chloroaniline	10.599	127	163881	17.339	ng		99
34) Hexachlorobutadiene	10.752	225	212260	44.118	ng		98
35) Caprolactam	11.393	113	101647	42.629	ng		99
36) 4-Chloro-3-methylphenol	11.740	107	356727	44.385	ng		100
37) 2-Methylnaphthalene	12.087	142	630369	41.565	ng		99
38) 1-Methylnaphthalene	12.304	142	667666	41.145	ng		100
40) 1,2,4,5-Tetrachloroben...	12.457	216	369018	44.885	ng		100
41) Hexachlorocyclopentadiene	12.434	237	401704	80.579	ng		99
43) 2,4,6-Trichlorophenol	12.710	196	254724	47.834	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052225\
Data File : BP024755.D
Acq On : 22 May 2025 12:18
Operator : RC/JU
Sample : PB168098BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB168098BS

Quant Time: May 22 12:38:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

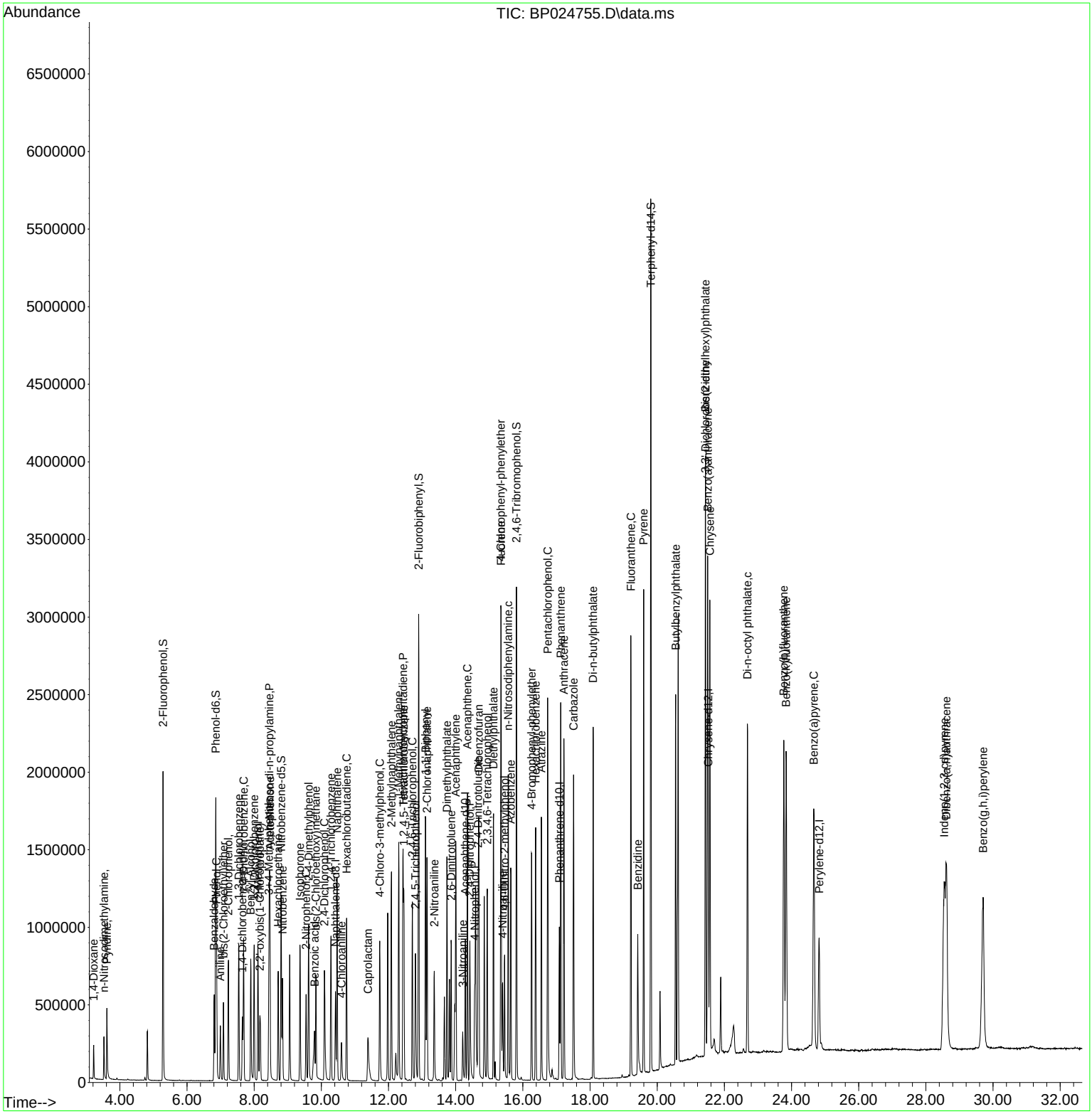
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44)	2,4,5-Trichlorophenol	12.804	196	275492	46.476	ng		96
46)	1,1'-Biphenyl	13.104	154	898517	42.938	ng		99
47)	2-Chloronaphthalene	13.146	162	691903	43.365	ng		100
48)	2-Nitroaniline	13.363	65	202885	42.950	ng		95
49)	Acenaphthylene	14.004	152	1133108	42.437	ng		99
50)	Dimethylphthalate	13.740	163	908339	42.093	ng		100
51)	2,6-Dinitrotoluene	13.869	165	199396	43.751	ng		98
52)	Acenaphthene	14.351	154	646760	42.134	ng		99
53)	3-Nitroaniline	14.210	138	95294	20.478	ng		98
54)	2,4-Dinitrophenol	14.422	184	262431	90.411	ng		98
55)	Dibenzofuran	14.687	168	1059440	43.271	ng		99
56)	4-Nitrophenol	14.569	139	313522	77.936	ng		97
57)	2,4-Dinitrotoluene	14.669	165	298529	46.462	ng		96
58)	Fluorene	15.351	166	879435	44.051	ng		99
59)	2,3,4,6-Tetrachlorophenol	14.940	232	251432	45.726	ng		97
60)	Diethylphthalate	15.128	149	949347	43.527	ng		99
61)	4-Chlorophenyl-phenyle...	15.345	204	437310	43.923	ng		97
62)	4-Nitroaniline	15.398	138	208254m	46.348	ng		
63)	Azobenzene	15.640	77	764105	40.952	ng		97
65)	4,6-Dinitro-2-methylph...	15.457	198	172573	46.989	ng		97
66)	n-Nitrosodiphenylamine	15.563	169	767455	43.944	ng		98
67)	4-Bromophenyl-phenylether	16.263	248	306650	45.770	ng		96
68)	Hexachlorobenzene	16.381	284	387062	45.465	ng		97
69)	Atrazine	16.551	200	296861	46.383	ng		98
70)	Pentachlorophenol	16.739	266	505930	105.866	ng		98
71)	Phenanthrene	17.128	178	1366718	43.239	ng		100
72)	Anthracene	17.222	178	1415016	44.495	ng		100
73)	Carbazole	17.510	167	1309469	45.494	ng		99
74)	Di-n-butylphthalate	18.092	149	1657555	44.777	ng		99
75)	Fluoranthene	19.216	202	1698716	45.976	ng		99
77)	Benzidine	19.422	184	600097	33.628	ng		100
78)	Pyrene	19.598	202	1745500	44.462	ng		100
80)	Butylbenzylphthalate	20.551	149	804165	46.059	ng		94
81)	Benzo(a)anthracene	21.504	228	1807550	43.936	ng		99
82)	3,3'-Dichlorobenzidine	21.433	252	478160	31.292	ng		100
83)	Chrysene	21.569	228	1721196	44.134	ng		100
84)	Bis(2-ethylhexyl)phtha...	21.439	149	1135308	44.240	ng		99
85)	Di-n-octyl phthalate	22.686	149	1942063	46.278	ng		99
87)	Indeno(1,2,3-cd)pyrene	28.545	276	2517163	45.679	ng	#	91
88)	Benzo(b)fluoranthene	23.769	252	1911502	44.244	ng		99
89)	Benzo(k)fluoranthene	23.839	252	1959499	44.015	ng		100
90)	Benzo(a)pyrene	24.663	252	1856955	44.753	ng		99
91)	Dibenzo(a,h)anthracene	28.609	278	2060035	45.952	ng		98
92)	Benzo(g,h,i)perylene	29.703	276	2002260	44.913	ng		98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052225\
Data File : BP024755.D
Acq On : 22 May 2025 12:18
Operator : RC/JU
Sample : PB168098BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB168098BS

Quant Time: May 22 12:38:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052225\
Data File : BP024756.D
Acq On : 22 May 2025 12:58
Operator : RC/JU
Sample : PB168098BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB168098BSD

Quant Time: May 22 13:25:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.652	152	126327	20.000	ng		-0.01
21) Naphthalene-d8	10.416	136	523024	20.000	ng		-0.02
39) Acenaphthene-d10	14.287	164	338733	20.000	ng		-0.02
64) Phenanthrene-d10	17.092	188	686645	20.000	ng		0.00
76) Chrysene-d12	21.510	240	768545	20.000	ng		-0.01
86) Perylene-d12	24.786	264	835982	20.000	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.287	112	1006990	136.339	ng		0.00
7) Phenol-d6	6.858	99	1245584	132.137	ng		0.00
23) Nitrobenzene-d5	8.805	82	764802	73.883	ng		0.00
42) 2,4,6-Tribromophenol	15.810	330	848083	147.685	ng		0.00
45) 2-Fluorobiphenyl	12.899	172	1985294	76.786	ng		0.00
79) Terphenyl-d14	19.816	244	3652739	81.496	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.223	88	107291	30.935	ng		98
3) Pyridine	3.617	79	272244	35.401	ng		97
4) n-Nitrosodimethylamine	3.528	42	142518	41.978	ng		95
6) Aniline	6.993	93	278550	22.887	ng		99
8) 2-Chlorophenol	7.234	128	400340	47.747	ng		99
9) Benzaldehyde	6.811	77	221040	36.224	ng		97
10) Phenol	6.881	94	447784	46.024	ng		98
11) bis(2-Chloroethyl)ether	7.087	93	321348	40.196	ng		99
12) 1,3-Dichlorobenzene	7.546	146	411266	42.633	ng		98
13) 1,4-Dichlorobenzene	7.687	146	421327	43.426	ng		98
14) 1,2-Dichlorobenzene	7.999	146	408503	43.209	ng		99
15) Benzyl Alcohol	7.899	79	325668	45.463	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.169	45	379444	39.632	ng		99
17) 2-Methylphenol	8.111	107	324116	46.447	ng		98
18) Hexachloroethane	8.716	117	154783	41.631	ng		98
19) n-Nitroso-di-n-propyla...	8.452	70	254858	39.085	ng		96
20) 3+4-Methylphenols	8.440	107	431650	45.474	ng		98
22) Acetophenone	8.469	105	553115	42.336	ng	#	99
24) Nitrobenzene	8.846	77	382330	41.971	ng		94
25) Isophorone	9.369	82	732635	40.802	ng		97
26) 2-Nitrophenol	9.546	139	218042	48.847	ng		98
27) 2,4-Dimethylphenol	9.622	122	369301	46.925	ng		100
28) bis(2-Chloroethoxy)met...	9.840	93	441817	41.185	ng		99
29) 2,4-Dichlorophenol	10.093	162	375212	49.198	ng		97
30) 1,2,4-Trichlorobenzene	10.287	180	383813	44.659	ng		98
31) Naphthalene	10.469	128	1176453	43.406	ng		100
32) Benzoic acid	9.810	122	270871m	49.215	ng		
33) 4-Chloroaniline	10.605	127	165916	15.170	ng		99
34) Hexachlorobutadiene	10.752	225	250650	45.021	ng		96
35) Caprolactam	11.387	113	126254	45.756	ng		98
36) 4-Chloro-3-methylphenol	11.740	107	436668	46.951	ng		99
37) 2-Methylnaphthalene	12.081	142	753865	42.956	ng		99
38) 1-Methylnaphthalene	12.304	142	807085	42.981	ng		100
40) 1,2,4,5-Tetrachloroben...	12.463	216	446029	45.345	ng		100
41) Hexachlorocyclopentadiene	12.434	237	507943	85.162	ng		97
43) 2,4,6-Trichlorophenol	12.710	196	314461	49.357	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052225\
Data File : BP024756.D
Acq On : 22 May 2025 12:58
Operator : RC/JU
Sample : PB168098BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB168098BSD

Quant Time: May 22 13:25:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

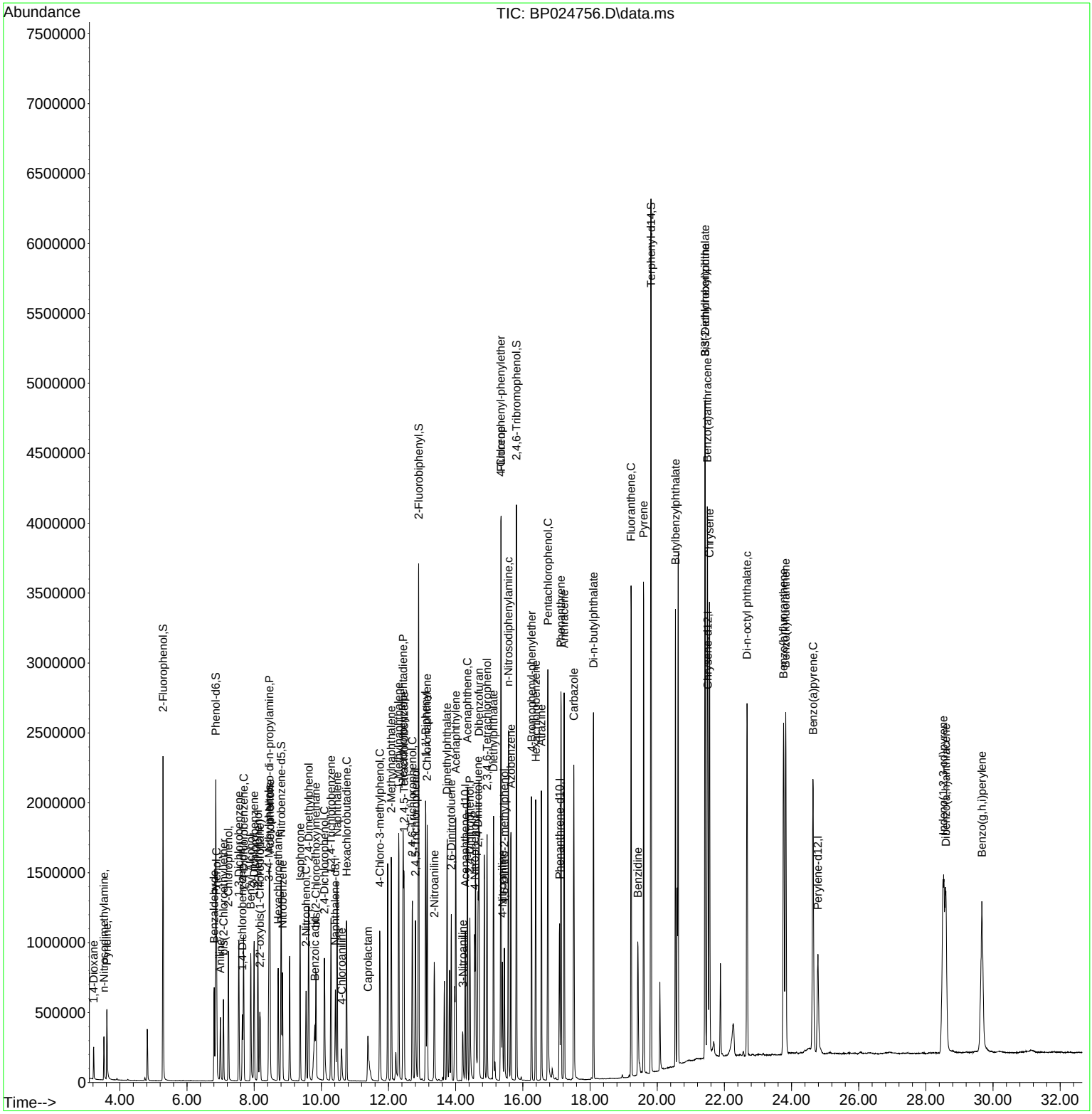
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.804	196	349258	49.247	ng		96
46) 1,1'-Biphenyl	13.104	154	1090713	43.566	ng		99
47) 2-Chloronaphthalene	13.152	162	833303	43.653	ng		99
48) 2-Nitroaniline	13.363	65	249151	44.085	ng		96
49) Acenaphthylene	14.004	152	1391550	43.560	ng		99
50) Dimethylphthalate	13.746	163	1142952	44.269	ng		100
51) 2,6-Dinitrotoluene	13.869	165	247920	45.467	ng		99
52) Acenaphthene	14.351	154	799545	43.536	ng		99
53) 3-Nitroaniline	14.210	138	117478	21.100	ng		96
54) 2,4-Dinitrophenol	14.422	184	322278	92.631	ng		96
55) Dibenzofuran	14.693	168	1288076	43.972	ng		100
56) 4-Nitrophenol	14.563	139	402969	83.411	ng		97
57) 2,4-Dinitrotoluene	14.669	165	365228	47.511	ng		97
58) Fluorene	15.351	166	1071652	44.866	ng		100
59) 2,3,4,6-Tetrachlorophenol	14.934	232	317896	48.321	ng		98
60) Diethylphthalate	15.128	149	1184185	45.380	ng		99
61) 4-Chlorophenyl-phenyle...	15.345	204	547042	45.924	ng		100
62) 4-Nitroaniline	15.393	138	254227m	47.290	ng		
63) Azobenzene	15.645	77	949950	42.554	ng		95
65) 4,6-Dinitro-2-methylph...	15.451	198	218741	49.318	ng		97
66) n-Nitrosodiphenylamine	15.569	169	961369	45.582	ng		99
67) 4-Bromophenyl-phenylether	16.257	248	378264	46.751	ng		97
68) Hexachlorobenzene	16.387	284	480414	46.728	ng		94
69) Atrazine	16.551	200	373961	48.382	ng		98
70) Pentachlorophenol	16.745	266	621802	107.740	ng		99
71) Phenanthrene	17.134	178	1679605	44.002	ng		100
72) Anthracene	17.228	178	1732101	45.101	ng		99
73) Carbazole	17.516	167	1619014	46.577	ng		100
74) Di-n-butylphthalate	18.104	149	2111662	47.236	ng		100
75) Fluoranthene	19.222	202	2044320	45.816	ng		99
77) Benzidine	19.422	184	742781	35.485	ng		99
78) Pyrene	19.592	202	2099503	45.592	ng		99
80) Butylbenzylphthalate	20.545	149	992487	48.461	ng		95
81) Benzo(a)anthracene	21.492	228	2194524	45.475	ng		99
82) 3,3'-Dichlorobenzidine	21.428	252	544789	30.394	ng		99
83) Chrysene	21.557	228	2031513	44.408	ng		100
84) Bis(2-ethylhexyl)phtha...	21.428	149	1478644	49.121	ng		99
85) Di-n-octyl phthalate	22.675	149	2442323	49.615	ng		99
87) Indeno(1,2,3-cd)pyrene	28.515	276	2735441	44.820	ng	#	92
88) Benzo(b)fluoranthene	23.763	252	2233590	46.679	ng		99
89) Benzo(k)fluoranthene	23.827	252	2248794	45.608	ng		99
90) Benzo(a)pyrene	24.639	252	2120304	46.138	ng		98
91) Dibenzo(a,h)anthracene	28.598	278	2246534	45.246	ng		99
92) Benzo(g,h,i)perylene	29.668	276	2167806	43.905	ng		97

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052225\
Data File : BP024756.D
Acq On : 22 May 2025 12:58
Operator : RC/JU
Sample : PB168098BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB168098BSD

Quant Time: May 22 13:25:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration



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

Manual Integration Report

Sequence:	BP051325	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BP024615.D	4-Nitroaniline	Rahul	5/14/2025 2:19:40 PM	Jagrut	5/14/2025 5:15:55 PM	Peak Integrated by Software
SSTDICC005	BP024615.D	Benzaldehyde	Rahul	5/14/2025 2:19:40 PM	Jagrut	5/14/2025 5:15:55 PM	Peak Integrated by Software
SSTDICC005	BP024615.D	Caprolactam	Rahul	5/14/2025 2:19:40 PM	Jagrut	5/14/2025 5:15:55 PM	Peak Integrated by Software
SSTDICC010	BP024616.D	4-Nitroaniline	Rahul	5/14/2025 2:19:43 PM	Jagrut	5/14/2025 5:16:07 PM	Peak Integrated by Software
SSTDICC010	BP024616.D	Benzaldehyde	Rahul	5/14/2025 2:19:43 PM	Jagrut	5/14/2025 5:16:07 PM	Peak Integrated by Software
SSTDICC010	BP024616.D	Benzidine	Rahul	5/14/2025 2:19:43 PM	Jagrut	5/14/2025 5:16:07 PM	Peak Integrated by Software
SSTDICC010	BP024616.D	Benzoic acid	Rahul	5/14/2025 2:19:43 PM	Jagrut	5/14/2025 5:16:07 PM	Peak Integrated by Software
SSTDICC010	BP024616.D	Caprolactam	Rahul	5/14/2025 2:19:43 PM	Jagrut	5/14/2025 5:16:07 PM	Peak Integrated by Software
SSTDICC010	BP024616.D	Pentachlorophenol	Rahul	5/14/2025 2:19:43 PM	Jagrut	5/14/2025 5:16:07 PM	Peak Integrated by Software
SSTDICC020	BP024617.D	Benzaldehyde	Rahul	5/14/2025 2:19:45 PM	Jagrut	5/14/2025 5:16:09 PM	Peak Integrated by Software
SSTDICC020	BP024617.D	Benzoic acid	Rahul	5/14/2025 2:19:45 PM	Jagrut	5/14/2025 5:16:09 PM	Peak Integrated by Software
SSTDICC020	BP024617.D	Indeno(1,2,3-cd)pyrene	Rahul	5/14/2025 2:19:45 PM	Jagrut	5/14/2025 5:16:09 PM	Peak Integrated by Software
SSTDICCC040	BP024618.D	Benzaldehyde	Rahul	5/14/2025 2:19:48 PM	Jagrut	5/14/2025 5:16:12 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	BP051325	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICCC040	BP024618.D	Benzoic acid	Rahul	5/14/2025 2:19:48 PM	Jagrut	5/14/2025 5:16:12 PM	Peak Integrated by Software
SSTDICC080	BP024621.D	Indeno(1,2,3-cd)pyrene	Rahul	5/14/2025 2:19:51 PM	Jagrut	5/14/2025 5:16:14 PM	Peak Integrated by Software
SSTDICV040	BP024622.D	Indeno(1,2,3-cd)pyrene	Rahul	5/14/2025 2:19:57 PM	Jagrut	5/14/2025 5:16:17 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	BP052225	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BP024753.D	4-Nitroaniline	Rahul	5/23/2025 12:27:12 PM	Jagrut	5/23/2025 5:03:34 PM	Peak Integrated by Software
SSTDCCC040	BP024753.D	Benzoic acid	Rahul	5/23/2025 12:27:12 PM	Jagrut	5/23/2025 5:03:34 PM	Peak Integrated by Software
PB168098BS	BP024755.D	4-Nitroaniline	Rahul	5/23/2025 12:27:15 PM	Jagrut	5/23/2025 5:03:36 PM	Peak Integrated by Software
PB168098BS	BP024755.D	Benzoic acid	Rahul	5/23/2025 12:27:15 PM	Jagrut	5/23/2025 5:03:36 PM	Peak Integrated by Software
PB168098BSD	BP024756.D	4-Nitroaniline	Rahul	5/23/2025 12:27:18 PM	Jagrut	5/23/2025 5:03:39 PM	Peak Integrated by Software
PB168098BSD	BP024756.D	Benzoic acid	Rahul	5/23/2025 12:27:18 PM	Jagrut	5/23/2025 5:03:39 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	BP052325	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BP024788.D	4-Nitroaniline	Rahul	5/27/2025 10:47:18 AM	Jagrut	5/27/2025 2:39:07 PM	Peak Integrated by Software
SSTDCCC040	BP024788.D	Benzaldehyde	Rahul	5/27/2025 10:47:18 AM	Jagrut	5/27/2025 2:39:07 PM	Peak Integrated by Software
SSTDCCC040	BP024788.D	Benzoic acid	Rahul	5/27/2025 10:47:18 AM	Jagrut	5/27/2025 2:39:07 PM	Peak Integrated by Software
Q2073-02	BP024801.D	Caprolactam	Rahul	5/27/2025 10:47:25 AM	Jagrut	5/27/2025 2:39:12 PM	Peak Integrated by Software

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

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP051325

Review By	Rahul	Review On	5/14/2025 2:20:20 PM		
Supervise By	Jagrut	Supervise On	5/14/2025 5:16:42 PM		
SubDirectory	BP051325	HP Acquire Method	BNA_P	HP Processing Method	bp051325

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12664,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP024613.D	13 May 2025 10:00	RC/JU	Ok
2	SSTDICC2.5	BP024614.D	13 May 2025 10:41	RC/JU	Ok
3	SSTDICC005	BP024615.D	13 May 2025 11:22	RC/JU	Ok,M
4	SSTDICC010	BP024616.D	13 May 2025 12:03	RC/JU	Ok,M
5	SSTDICC020	BP024617.D	13 May 2025 12:43	RC/JU	Ok,M
6	SSTDICCC040	BP024618.D	13 May 2025 13:24	RC/JU	Ok,M
7	SSTDICC050	BP024619.D	13 May 2025 14:05	RC/JU	Ok
8	SSTDICC060	BP024620.D	13 May 2025 14:45	RC/JU	Ok
9	SSTDICC080	BP024621.D	13 May 2025 15:26	RC/JU	Ok,M
10	SSTDICV040	BP024622.D	13 May 2025 17:01	RC/JU	Ok,M
11	PB167917TB	BP024623.D	13 May 2025 18:23	RC/JU	Ok

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP052225

Review By	Rahul	Review On	5/23/2025 12:29:01 PM				
Supervise By	Jagrut	Supervise On	5/23/2025 5:03:58 PM				
SubDirectory	BP052225	HP Acquire Method	BNA_P		HP Processing Method	BP051325	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12666,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP024752.D	22 May 2025 09:35	RC/JU	Ok
2	SSTDCCC040	BP024753.D	22 May 2025 10:56	RC/JU	Ok,M
3	PB168098BL	BP024754.D	22 May 2025 11:37	RC/JU	Ok
4	PB168098BS	BP024755.D	22 May 2025 12:18	RC/JU	Ok,M
5	PB168098BSD	BP024756.D	22 May 2025 12:58	RC/JU	Ok,M
6	Q2071-20	BP024757.D	22 May 2025 13:39	RC/JU	Ok
7	Q2075-07	BP024758.D	22 May 2025 14:19	RC/JU	Ok
8	Q2093-01	BP024759.D	22 May 2025 15:00	RC/JU	Ok
9	Q2097-07	BP024760.D	22 May 2025 15:41	RC/JU	Ok
10	Q2097-05	BP024761.D	22 May 2025 16:22	RC/JU	Ok
11	Q2097-09	BP024762.D	22 May 2025 17:02	RC/JU	Ok
12	Q2097-11	BP024763.D	22 May 2025 17:43	RC/JU	Ok
13	Q2097-13	BP024764.D	22 May 2025 18:24	RC/JU	Ok
14	Q2097-15	BP024765.D	22 May 2025 19:04	RC/JU	Ok
15	Q2097-01	BP024766.D	22 May 2025 19:45	RC/JU	Ok
16	Q2088-01	BP024767.D	22 May 2025 20:26	RC/JU	Ok
17	Q2093-14	BP024768.D	22 May 2025 21:07	RC/JU	Dilution
18	DFTPP	BP024769.D	22 May 2025 22:28	RC/JU	Ok
19	SSTDCCC040	BP024770.D	22 May 2025 23:09	RC/JU	Ok
20	PB168092TB	BP024771.D	22 May 2025 23:50	RC/JU	Ok
21	Q2078-03	BP024772.D	23 May 2025 00:30	RC/JU	Ok

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP052225

Review By	Rahul	Review On	5/23/2025 12:29:01 PM				
Supervise By	Jagrut	Supervise On	5/23/2025 5:03:58 PM				
SubDirectory	BP052225	HP Acquire Method	BNA_P		HP Processing Method	BP051325	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12666,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2078-07	BP024773.D	23 May 2025 01:11	RC/JU	Ok
23	Q2078-11	BP024774.D	23 May 2025 01:52	RC/JU	Ok
24	Q2078-15	BP024775.D	23 May 2025 02:32	RC/JU	Ok
25	Q2078-19	BP024776.D	23 May 2025 03:13	RC/JU	Ok
26	Q2079-03	BP024777.D	23 May 2025 03:54	RC/JU	Ok
27	Q2079-07	BP024778.D	23 May 2025 04:34	RC/JU	Ok
28	Q2079-11	BP024779.D	23 May 2025 05:15	RC/JU	Ok
29	Q2084-05	BP024780.D	23 May 2025 05:56	RC/JU	Ok
30	Q2084-05MS	BP024781.D	23 May 2025 06:37	RC/JU	Ok
31	Q2084-05MSD	BP024782.D	23 May 2025 07:17	RC/JU	Ok
32	Q2092-02	BP024783.D	23 May 2025 07:58	RC/JU	Ok
33	Q2093-02	BP024784.D	23 May 2025 08:39	RC/JU	Ok
34	Q2097-02	BP024785.D	23 May 2025 09:19	RC/JU	Ok
35	Q2097-04	BP024786.D	23 May 2025 10:00	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP052325

Review By	Rahul	Review On	5/27/2025 10:49:36 AM				
Supervise By	Jagrut	Supervise On	5/27/2025 2:39:24 PM				
SubDirectory	BP052325	HP Acquire Method	BNA_P		HP Processing Method	BP051325	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12666,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP024787.D	23 May 2025 10:59	RC/JU	Ok
2	SSTDCCC040	BP024788.D	23 May 2025 11:40	RC/JU	Ok,M
3	PB168131BL	BP024789.D	23 May 2025 12:20	RC/JU	Ok
4	PB168131BS	BP024790.D	23 May 2025 13:01	RC/JU	Ok,M
5	Q2093-14DL	BP024791.D	23 May 2025 13:45	RC/JU	Ok
6	Q2097-18	BP024792.D	23 May 2025 14:26	RC/JU	Ok
7	Q2097-12	BP024793.D	23 May 2025 15:06	RC/JU	Ok
8	Q2097-16	BP024794.D	23 May 2025 15:47	RC/JU	Ok
9	Q2094-01	BP024795.D	23 May 2025 16:28	RC/JU	Ok
10	Q2094-02	BP024796.D	23 May 2025 17:09	RC/JU	Ok
11	Q2094-03	BP024797.D	23 May 2025 17:49	RC/JU	Ok
12	Q2094-04	BP024798.D	23 May 2025 18:30	RC/JU	Ok
13	Q2094-05	BP024799.D	23 May 2025 19:11	RC/JU	Ok
14	Q2073-01	BP024800.D	23 May 2025 19:51	RC/JU	Ok
15	Q2073-02	BP024801.D	23 May 2025 20:32	RC/JU	Ok,M
16	Q2101-04	BP024802.D	23 May 2025 21:13	RC/JU	Ok
17	Q2095-08	BP024803.D	23 May 2025 21:54	RC/JU	Ok
18	Q2106-01	BP024804.D	23 May 2025 22:34	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP051325

Review By	Rahul	Review On	5/14/2025 2:20:20 PM		
Supervise By	Jagrut	Supervise On	5/14/2025 5:16:42 PM		
SubDirectory	BP051325	HP Acquire Method	BNA_P	HP Processing Method	bp051325

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12664,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BP024613.D	13 May 2025 10:00		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BP024614.D	13 May 2025 10:41		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BP024615.D	13 May 2025 11:22	Compound#32-54-56-65-77 removed from 5 ppm	RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BP024616.D	13 May 2025 12:03		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BP024617.D	13 May 2025 12:43		RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BP024618.D	13 May 2025 13:24	Compound#32-54-56 Kept on LR	RC/JU	Ok,M
7	SSTDICC050	SSTDICC050	BP024619.D	13 May 2025 14:05		RC/JU	Ok
8	SSTDICC060	SSTDICC060	BP024620.D	13 May 2025 14:45		RC/JU	Ok
9	SSTDICC080	SSTDICC080	BP024621.D	13 May 2025 15:26		RC/JU	Ok,M
10	SSTDICV040	ICVBP051325	BP024622.D	13 May 2025 17:01		RC/JU	Ok,M
11	PB167917TB	PB167917TB	BP024623.D	13 May 2025 18:23		RC/JU	Ok

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP052225

Review By	Rahul	Review On	5/23/2025 12:29:01 PM		
Supervise By	Jagrut	Supervise On	5/23/2025 5:03:58 PM		
SubDirectory	BP052225	HP Acquire Method	BNA_P	HP Processing Method	BP051325

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12666,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BP024752.D	22 May 2025 09:35		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BP024753.D	22 May 2025 10:56		RC/JU	Ok,M
3	PB168098BL	PB168098BL	BP024754.D	22 May 2025 11:37		RC/JU	Ok
4	PB168098BS	PB168098BS	BP024755.D	22 May 2025 12:18		RC/JU	Ok,M
5	PB168098BSD	PB168098BSD	BP024756.D	22 May 2025 12:58		RC/JU	Ok,M
6	Q2071-20	L2-WC-6	BP024757.D	22 May 2025 13:39		RC/JU	Ok
7	Q2075-07	FB-05152025	BP024758.D	22 May 2025 14:19		RC/JU	Ok
8	Q2093-01	SOIL-DRUM	BP024759.D	22 May 2025 15:00		RC/JU	Ok
9	Q2097-07	VNJ-244	BP024760.D	22 May 2025 15:41		RC/JU	Ok
10	Q2097-05	RBR251675	BP024761.D	22 May 2025 16:22		RC/JU	Ok
11	Q2097-09	ETGI-290	BP024762.D	22 May 2025 17:02		RC/JU	Ok
12	Q2097-11	RT3419	BP024763.D	22 May 2025 17:43		RC/JU	Ok
13	Q2097-13	RBR251372	BP024764.D	22 May 2025 18:24		RC/JU	Ok
14	Q2097-15	72-12013	BP024765.D	22 May 2025 19:04		RC/JU	Ok
15	Q2097-01	ETGI-357	BP024766.D	22 May 2025 19:45		RC/JU	Ok
16	Q2088-01	252820	BP024767.D	22 May 2025 20:26		RC/JU	Ok
17	Q2093-14	WATER-COMP	BP024768.D	22 May 2025 21:07	Need 5X Dilution	RC/JU	Dilution
18	DFTPP	DFTPP	BP024769.D	22 May 2025 22:28		RC/JU	Ok

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP052225

Review By	Rahul	Review On	5/23/2025 12:29:01 PM		
Supervise By	Jagrut	Supervise On	5/23/2025 5:03:58 PM		
SubDirectory	BP052225	HP Acquire Method	BNA_P	HP Processing Method	BP051325

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12666,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	SSTDCCC040	SSTDCCC040	BP024770.D	22 May 2025 23:09		RC/JU	Ok
20	PB168092TB	PB168092TB	BP024771.D	22 May 2025 23:50		RC/JU	Ok
21	Q2078-03	WC-A4-04-C	BP024772.D	23 May 2025 00:30		RC/JU	Ok
22	Q2078-07	WC-A4-05-C	BP024773.D	23 May 2025 01:11		RC/JU	Ok
23	Q2078-11	WC-A1-06A-C	BP024774.D	23 May 2025 01:52		RC/JU	Ok
24	Q2078-15	WC-A1-07A-C	BP024775.D	23 May 2025 02:32		RC/JU	Ok
25	Q2078-19	WC-A4-06-C	BP024776.D	23 May 2025 03:13		RC/JU	Ok
26	Q2079-03	WC-A2-01-C	BP024777.D	23 May 2025 03:54		RC/JU	Ok
27	Q2079-07	WC-A2-02-C	BP024778.D	23 May 2025 04:34		RC/JU	Ok
28	Q2079-11	WC-A2-03-C	BP024779.D	23 May 2025 05:15		RC/JU	Ok
29	Q2084-05	OR-640-COMP-66	BP024780.D	23 May 2025 05:56		RC/JU	Ok
30	Q2084-05MS	OR-640-COMP-66MS	BP024781.D	23 May 2025 06:37		RC/JU	Ok
31	Q2084-05MSD	OR-640-COMP-66MSD	BP024782.D	23 May 2025 07:17		RC/JU	Ok
32	Q2092-02	VNJ-202	BP024783.D	23 May 2025 07:58		RC/JU	Ok
33	Q2093-02	SOIL-DRUM	BP024784.D	23 May 2025 08:39		RC/JU	Ok
34	Q2097-02	ETGI-357	BP024785.D	23 May 2025 09:19		RC/JU	Ok
35	Q2097-04	RBR200044	BP024786.D	23 May 2025 10:00		RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP052325

Review By	Rahul	Review On	5/27/2025 10:49:36 AM		
Supervise By	Jagrut	Supervise On	5/27/2025 2:39:24 PM		
SubDirectory	BP052325	HP Acquire Method	BNA_P	HP Processing Method	BP051325

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12666,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BP024787.D	23 May 2025 10:59		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BP024788.D	23 May 2025 11:40		RC/JU	Ok,M
3	PB168131BL	PB168131BL	BP024789.D	23 May 2025 12:20		RC/JU	Ok
4	PB168131BS	PB168131BS	BP024790.D	23 May 2025 13:01		RC/JU	Ok,M
5	Q2093-14DL	WATER-COMPDL	BP024791.D	23 May 2025 13:45		RC/JU	Ok
6	Q2097-18	RT-3888	BP024792.D	23 May 2025 14:26		RC/JU	Ok
7	Q2097-12	RT3419	BP024793.D	23 May 2025 15:06		RC/JU	Ok
8	Q2097-16	72-12013	BP024794.D	23 May 2025 15:47		RC/JU	Ok
9	Q2094-01	COMP-1	BP024795.D	23 May 2025 16:28		RC/JU	Ok
10	Q2094-02	COMP-2	BP024796.D	23 May 2025 17:09		RC/JU	Ok
11	Q2094-03	COMP-3	BP024797.D	23 May 2025 17:49		RC/JU	Ok
12	Q2094-04	COMP-4	BP024798.D	23 May 2025 18:30		RC/JU	Ok
13	Q2094-05	COMP-5	BP024799.D	23 May 2025 19:11		RC/JU	Ok
14	Q2073-01	GDW1	BP024800.D	23 May 2025 19:51		RC/JU	Ok
15	Q2073-02	GDW2	BP024801.D	23 May 2025 20:32		RC/JU	Ok,M
16	Q2101-04	TP-1-MHE	BP024802.D	23 May 2025 21:13		RC/JU	Ok
17	Q2095-08	WCS-TP2	BP024803.D	23 May 2025 21:54		RC/JU	Ok
18	Q2106-01	TW-WTS-09	BP024804.D	23 May 2025 22:34		RC/JU	Ok

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP052325

Review By	Rahul	Review On	5/27/2025 10:49:36 AM		
Supervise By	Jagrut	Supervise On	5/27/2025 2:39:24 PM		
SubDirectory	BP052325	HP Acquire Method	BNA_P	HP Processing Method	BP051325

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12666,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB168098

SOP ID:	M3510C,3580A-Extraction SVOC-20				
Clean Up SOP #:	N/A			**Extraction Start Date :**	05/21/2025
Matrix :	Water			**Extraction Start Time :**	08:40
Weigh By:	N/A	**Extraction By:**	RS	**Extraction End Date :**	05/21/2025
Balance check:	N/A	**Filter By:**	RJ	**Extraction End Time :**	13:40
Balance ID:	N/A	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	E3880	**Hood ID:**	4,6,7	**Supervisor By :**	RUPESH

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

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6782
Surrogate	1.0ML	100/150 PPM	SP6754
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3930
Baked Na2SO4	N/A	EP2614
10N NaoH	N/A	EP2609
H2SO4 1:1	N/A	EP2610
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5 ML Vial lot# 2210443. pH Adjusted<2 with 1:1 H2SO4 &>11 with 10 N NaOH.

KD Bath ID:	WATER BATH-1,2	**Envap ID:**	NEVAP-02
KD Bath Temperature:	60 °C	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
5/21/25	RS (GLA Lab)	RC/SVOC
13:45	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB168098

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

Concentration Date: 05/21/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168098BL	SBLK098	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1			SEP-1
PB168098BS	SLCS098	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1			2
PB168098BSD	SLCSD098	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1			3
Q2073-01	GDW1	SVOCMS Group2	980	6	RUPESH	ritesh	1	C		4
Q2073-02	GDW2	SVOCMS Group2	970	6	RUPESH	ritesh	1	C		5
Q2075-07	FB-05152025	SVOCMS Group3	810	6	RUPESH	ritesh	1	C		6
Q2075-08	FB-05162025	SVOCMS Group3	940	6	RUPESH	ritesh	1	C		7
Q2088-01	252820	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1	O		8
Q2093-14	WATER-COMP	SVOC-TCL BNA -20	990	6	RUPESH	ritesh	1	N		9

RS
5/21

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

68098
8:40

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2073 **WorkList ID :** 189663 **Department :** Extraction **Date :** 05-21-2025 08:34:26

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2073-01	GDW1	Water	SVOCMS Group2	Cool 4 deg C	GENV01	L41	05/16/2025	8270E
Q2073-02	GDW2	Water	SVOCMS Group2	Cool 4 deg C	GENV01	L41	05/16/2025	8270E
Q2075-07	FB-05152025	Water	SVOCMS Group3	Cool 4 deg C	CAMP02	L41	05/15/2025	8270E
Q2075-08	FB-05162025	Water	SVOCMS Group3	Cool 4 deg C	CAMP02	L41	05/16/2025	8270E
Q2088-01	252820	Water	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L31	05/20/2025	8270E
Q2093-14	WATER-COMP	Water	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L41	05/20/2025	8270E

Date/Time 5/21/25 8:35
Raw Sample Received by: RJ (EXA-Lab)
Raw Sample Relinquished by: CP SM

Date/Time 5/21/25 9:20
Raw Sample Received by: CP SM
Raw Sample Relinquished by: RJ (EXA-Lab)

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LAB CHRONICLE

OrderID:	Q2073	**OrderDate:**	5/16/2025 2:51:00 PM
Client:	G Environmental	**Project:**	Nelson
Contact:	Gary Landis	**Location:**	L41,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2073-01	**GDW1**	**Water**			**05/16/25**			**05/16/25**
			SVOCMS Group2	8270E		05/21/25	05/23/25	
Q2073-02	**GDW2**	**Water**			**05/16/25**			**05/16/25**
			SVOCMS Group2	8270E		05/21/25	05/23/25	