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

Hit Summary Sheet
SW-846

SDG No.: Q2134

Client: G Environmental

Sample ID	Client ID		Parameter		Concentration	C	MDL	RDL	Units
Client ID :	**MW10**								
Q2134-01	MW10	WATER	Naphthalene		8.400		0.51	5.1	ug/L
Q2134-01	MW10	WATER	Caprolactam		7.400	J	1.2	10.2	ug/L
			Total Svoc :		**15.80**				
Q2134-01	MW10	WATER	Benzene, (1-methylethyl)-	*	11.700	J	0	0	ug/L
Q2134-01	MW10	WATER	Benzene, 1,2,3,4-tetramethyl-	*	8.100	J	0	0	ug/L
Q2134-01	MW10	WATER	Benzene, 1,3-diethyl-	*	23.500	J	0	0	ug/L
Q2134-01	MW10	WATER	Benzene, 1,4-diethyl-	*	23.700	J	0	0	ug/L
Q2134-01	MW10	WATER	Benzene, 1-ethyl-3-methyl-	*	8.700	J	0	0	ug/L
Q2134-01	MW10	WATER	Benzene, 1-methyl-4-propyl-	*	7.100	J	0	0	ug/L
Q2134-01	MW10	WATER	Benzene, 2-ethenyl-1,4-dimethyl-	*	19.300	J	0	0	ug/L
Q2134-01	MW10	WATER	Benzene, 2-ethyl-1,4-dimethyl-	*	20.400	J	0	0	ug/L
Q2134-01	MW10	WATER	Benzophenone	*	6.800	J	0	0	ug/L
Q2134-01	MW10	WATER	1H-Indene, 2,3-dihydro-5-methyl-	*	10.100	J	0	0	ug/L
Q2134-01	MW10	WATER	Cyclopentene, 1,2,3-trimethyl-	*	7.400	J	0	0	ug/L
Q2134-01	MW10	WATER	Indane	*	34.900	J	0	0	ug/L
Q2134-01	MW10	WATER	n-Hexadecanoic acid	*	21.700	J	0	0	ug/L
Q2134-01	MW10	WATER	Octadecanoic acid	*	10.900	J	0	0	ug/L
Q2134-01	MW10	WATER	Phenethylamine, N-benzyl-p-chlo	*	13.900	J	0	0	ug/L
Q2134-01	MW10	WATER	1-Methylnaphthalene	*	5.100	J	0.67	5.1	ug/L
			Total Tics :		**233.30**				
			Total Concentration:		**249.10**				

SAMPLE DATA

Raw Data: **BF142597.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:	05/27/25
Project:	DPW			Date Received:	05/28/25
Client Sample ID:	MW10			SDG No.:	Q2134
Lab Sample ID:	Q2134-01			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
BF142597.D	1	05/30/25 09:21	06/02/25 15:05	PB168235

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	8.40		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	7.40	J	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: **BF142597.D**

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

Client:	G Environmental			Date Collected:	05/27/25
Project:	DPW			Date Received:	05/28/25
Client Sample ID:	MW10			SDG No.:	Q2134
Lab Sample ID:	Q2134-01			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
BF142597.D	1	05/30/25 09:21	06/02/25 15:05	PB168235

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	74.4		30 (67) - 130 (132)	74%	SPK: 100
321-60-8	2-Fluorobiphenyl	72.7		30 (52) - 130 (132)	73%	SPK: 100
1718-51-0	Terphenyl-d14	58.7		30 (42) - 130 (152)	59%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	120000	6.898			

Raw Data: **BF142597.D**

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

Client:	G Environmental			Date Collected:	05/27/25
Project:	DPW			Date Received:	05/28/25
Client Sample ID:	MW10			SDG No.:	Q2134
Lab Sample ID:	Q2134-01			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
BF142597.D	1	05/30/25 09:21	06/02/25 15:05	PB168235

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1146-65-2	Naphthalene-d8	446000	8.181			
15067-26-2	Acenaphthene-d10	233000	9.939			
1517-22-2	Phenanthrene-d10	364000	11.428			
1719-03-5	Chrysene-d12	247000	14.069			
1520-96-3	Perylene-d12	271000	15.563			
TENTATIVE IDENTIFIED COMPOUNDS						
000473-91-6	Cyclopentene, 1,2,3-trimethyl-	7.40	J		4.67	ug/L
000098-82-8	Benzene, (1-methylethyl)-	11.7	J		6.07	ug/L
013622-43-0	Phenethylamine, N-benzyl-p-chloro-	13.9	J		6.36	ug/L
000620-14-4	Benzene, 1-ethyl-3-methyl-	8.70	J		6.42	ug/L
000496-11-7	Indane	34.9	J		7.08	ug/L
000141-93-5	Benzene, 1,3-diethyl-	23.5	J		7.14	ug/L
000105-05-5	Benzene, 1,4-diethyl-	23.7	J		7.22	ug/L
001074-55-1	Benzene, 1-methyl-4-propyl-	7.10	J		7.29	ug/L
001758-88-9	Benzene, 2-ethyl-1,4-dimethyl-	20.4	J		7.36	ug/L
000488-23-3	Benzene, 1,2,3,4-tetramethyl-	8.10	J		7.67	ug/L
000874-35-1	1H-Indene, 2,3-dihydro-5-methyl-	10.1	J		7.85	ug/L
002039-89-6	Benzene, 2-ethenyl-1,4-dimethyl-	19.3	J		7.92	ug/L
90-12-0	1-Methylnaphthalene	5.10	J		8.99	ug/L
000119-61-9	Benzophenone	6.80	J		10.7	ug/L
000057-10-3	n-Hexadecanoic acid	21.7	J		12.0	ug/L
000057-11-4	Octadecanoic acid	10.9	J		12.7	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.: Q2134

Client: G Environmental

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB168235BL	PB168235BL	Nitrobenzene-d5	100	80.1	80		30 (67)	130 (132)
		2-Fluorobiphenyl	100	76.2	76		30 (52)	130 (132)
		Terphenyl-d14	100	77.1	77		30 (42)	130 (152)
PB168235BS	PB168235BS	Nitrobenzene-d5	100	76.2	76		30 (67)	130 (132)
		2-Fluorobiphenyl	100	72.0	72		30 (52)	130 (132)
		Terphenyl-d14	100	79.0	79		30 (42)	130 (152)
PB168235BSD	PB168235BSD	Nitrobenzene-d5	100	73.1	73		30 (67)	130 (132)
		2-Fluorobiphenyl	100	69.6	70		30 (52)	130 (132)
		Terphenyl-d14	100	75.7	76		30 (42)	130 (152)
Q2134-01	MW10	Nitrobenzene-d5	100	74.4	74		30 (67)	130 (132)
		2-Fluorobiphenyl	100	72.7	73		30 (52)	130 (132)
		Terphenyl-d14	100	58.7	59		30 (42)	130 (152)

( ) = 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.: Q2134

Client: G Environmental

Analytical Method: 8270E **DataFile:** BF142595.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB168235BS	Benzaldehyde	50	34.3	ug/L	69				20 (10)	160 (162)	
	bis(2-Chloroethyl)ether	50	43.4	ug/L	87				70 (62)	130 (103)	
	2,2-oxybis(1-Chloropropane)	50	42.6	ug/L	85				70 (65)	130 (100)	
	Acetophenone	50	41.7	ug/L	83				70 (60)	130 (104)	
	N-Nitroso-di-n-propylamine	50	41.3	ug/L	83				70 (57)	130 (107)	
	Hexachloroethane	50	41.6	ug/L	83				20 (76)	160 (118)	
	Nitrobenzene	50	42.9	ug/L	86				70 (58)	130 (106)	
	Isophorone	50	42.2	ug/L	84				70 (61)	130 (102)	
	bis(2-Chloroethoxy)methane	50	42.9	ug/L	86				70 (58)	130 (109)	
	Naphthalene	50	42.4	ug/L	85				70 (64)	130 (107)	
	4-Chloroaniline	50	18.2	ug/L	36		*		70 (10)	130 (85)	
	Hexachlorobutadiene	50	40.9	ug/L	82				70 (69)	130 (101)	
	Caprolactam	50	51.7	ug/L	103				20 (58)	160 (128)	
	2-Methylnaphthalene	50	42.4	ug/L	85				70 (64)	130 (107)	
	Hexachlorocyclopentadiene	100	80.7	ug/L	81				20 (36)	160 (160)	
	1,1-Biphenyl	50	42.2	ug/L	84				70 (72)	130 (98)	
	2-Chloronaphthalene	50	41.9	ug/L	84				70 (59)	130 (106)	
	2-Nitroaniline	50	45.1	ug/L	90				70 (73)	130 (114)	
	Dimethylphthalate	50	44.2	ug/L	88				70 (64)	130 (103)	
	Acenaphthylene	50	42.4	ug/L	85				70 (79)	130 (103)	
	2,6-Dinitrotoluene	50	45.7	ug/L	91				70 (64)	130 (110)	
	3-Nitroaniline	50	27.1	ug/L	54		*		70 (28)	130 (100)	
	Acenaphthene	50	46.3	ug/L	93				70 (59)	130 (113)	
	Dibenzofuran	50	42.4	ug/L	85				70 (65)	130 (106)	
	2,4-Dinitrotoluene	50	47.5	ug/L	95				70 (60)	130 (115)	
	Diethylphthalate	50	45.0	ug/L	90				70 (63)	130 (105)	
	4-Chlorophenyl-phenylether	50	42.6	ug/L	85				70 (61)	130 (104)	
	Fluorene	50	43.0	ug/L	86				70 (64)	130 (107)	
	4-Nitroaniline	50	48.5	ug/L	97				70 (55)	130 (125)	
	N-Nitrosodiphenylamine	50	42.5	ug/L	85				70 (61)	130 (109)	
	4-Bromophenyl-phenylether	50	42.6	ug/L	85				70 (73)	130 (103)	
	Hexachlorobenzene	50	43.5	ug/L	87				70 (73)	130 (106)	
	Atrazine	50	49.3	ug/L	99				70 (76)	130 (120)	
	Phenanthrene	50	43.1	ug/L	86				70 (62)	130 (109)	
	Anthracene	50	43.2	ug/L	86				70 (65)	130 (110)	
	Carbazole	50	44.9	ug/L	90				70 (62)	130 (106)	
	Di-n-butylphthalate	50	47.1	ug/L	94				70 (64)	130 (106)	
	Fluoranthene	50	45.6	ug/L	91				70 (64)	130 (110)	
	Pyrene	50	45.2	ug/L	90				70 (71)	130 (103)	
	Butylbenzylphthalate	50	52.0	ug/L	104				70 (61)	130 (105)	
	3,3-Dichlorobenzidine	50	26.6	ug/L	53		*		70 (43)	130 (108)	
	Benzo(a)anthracene	50	43.9	ug/L	88				70 (62)	130 (107)	
	Chrysene	50	45.7	ug/L	91				70 (61)	130 (108)	
	bis(2-Ethylhexyl)phthalate	50	49.7	ug/L	99				70 (59)	130 (110)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2134

Client: G Environmental

Analytical Method: 8270E **DataFile:** BF142595.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB168235BS	Di-n-octyl phthalate	50	43.8	ug/L	88				70 (52)	130 (139)	
	Benzo(b)fluoranthene	50	46.9	ug/L	94				70 (77)	130 (113)	
	Benzo(k)fluoranthene	50	42.1	ug/L	84				70 (77)	130 (105)	
	Benzo(a)pyrene	50	45.0	ug/L	90				70 (72)	130 (131)	
	Indeno(1,2,3-cd)pyrene	50	42.6	ug/L	85				70 (72)	130 (105)	
	Dibenz(a,h)anthracene	50	43.1	ug/L	86				70 (78)	130 (115)	
	Benzo(g,h,i)perylene	50	42.6	ug/L	85				70 (75)	130 (118)	
	1,2,4,5-Tetrachlorobenzene	50	41.5	ug/L	83				70 (72)	130 (101)	
	1,4-Dioxane	50	36.0	ug/L	72				20 (38)	160 (125)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2134

Client: G Environmental

Analytical Method: 8270E **DataFile:** BF142596.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB168235BSD	Benzaldehyde	50	33.6	ug/L	67	2			20 (10)	160 (162)	20 (20)
	bis(2-Chloroethyl)ether	50	41.9	ug/L	84	4			70 (62)	130 (103)	20 (20)
	2,2-oxybis(1-Chloropropane)	50	41.4	ug/L	83	3			70 (65)	130 (100)	20 (20)
	Acetophenone	50	40.5	ug/L	81	3			70 (60)	130 (104)	20 (20)
	N-Nitroso-di-n-propylamine	50	40.6	ug/L	81	2			70 (57)	130 (107)	20 (20)
	Hexachloroethane	50	40.3	ug/L	81	3			20 (76)	160 (118)	20 (20)
	Nitrobenzene	50	40.6	ug/L	81	6			70 (58)	130 (106)	20 (20)
	Isophorone	50	40.9	ug/L	82	3			70 (61)	130 (102)	20 (20)
	bis(2-Chloroethoxy)methane	50	41.5	ug/L	83	3			70 (58)	130 (109)	20 (20)
	Naphthalene	50	41.0	ug/L	82	3			70 (64)	130 (107)	20 (20)
	4-Chloroaniline	50	18.1	ug/L	36	1	*		70 (10)	130 (85)	20 (20)
	Hexachlorobutadiene	50	40.3	ug/L	81	1			70 (69)	130 (101)	20 (20)
	Caprolactam	50	49.3	ug/L	99	5			20 (58)	160 (128)	20 (20)
	2-Methylnaphthalene	50	40.6	ug/L	81	4			70 (64)	130 (107)	20 (20)
	Hexachlorocyclopentadiene	100	77.8	ug/L	78	4			20 (36)	160 (160)	20 (20)
	1,1-Biphenyl	50	40.5	ug/L	81	4			70 (72)	130 (98)	20 (20)
	2-Chloronaphthalene	50	40.7	ug/L	81	3			70 (59)	130 (106)	20 (20)
	2-Nitroaniline	50	43.4	ug/L	87	4			70 (73)	130 (114)	20 (20)
	Dimethylphthalate	50	43.0	ug/L	86	3			70 (64)	130 (103)	20 (20)
	Acenaphthylene	50	41.1	ug/L	82	3			70 (79)	130 (103)	20 (20)
	2,6-Dinitrotoluene	50	44.2	ug/L	88	3			70 (64)	130 (110)	20 (20)
	3-Nitroaniline	50	26.1	ug/L	52	4	*		70 (28)	130 (100)	20 (20)
	Acenaphthene	50	45.2	ug/L	90	2			70 (59)	130 (113)	20 (20)
	Dibenzofuran	50	41.2	ug/L	82	3			70 (65)	130 (106)	20 (20)
	2,4-Dinitrotoluene	50	46.2	ug/L	92	3			70 (60)	130 (115)	20 (20)
	Diethylphthalate	50	43.1	ug/L	86	4			70 (63)	130 (105)	20 (20)
	4-Chlorophenyl-phenylether	50	41.5	ug/L	83	3			70 (61)	130 (104)	20 (20)
	Fluorene	50	41.5	ug/L	83	4			70 (64)	130 (107)	20 (20)
	4-Nitroaniline	50	45.9	ug/L	92	6			70 (55)	130 (125)	20 (20)
	N-Nitrosodiphenylamine	50	41.1	ug/L	82	3			70 (61)	130 (109)	20 (20)
	4-Bromophenyl-phenylether	50	41.0	ug/L	82	4			70 (73)	130 (103)	20 (20)
	Hexachlorobenzene	50	41.6	ug/L	83	4			70 (73)	130 (106)	20 (20)
	Atrazine	50	46.4	ug/L	93	6			70 (76)	130 (120)	20 (20)
	Phenanthrene	50	41.2	ug/L	82	5			70 (62)	130 (109)	20 (20)
	Anthracene	50	41.1	ug/L	82	5			70 (65)	130 (110)	20 (20)
	Carbazole	50	42.0	ug/L	84	7			70 (62)	130 (106)	20 (20)
	Di-n-butylphthalate	50	44.2	ug/L	88	6			70 (64)	130 (106)	20 (20)
	Fluoranthene	50	42.5	ug/L	85	7			70 (64)	130 (110)	20 (20)
	Pyrene	50	42.8	ug/L	86	5			70 (71)	130 (103)	20 (20)
	Butylbenzylphthalate	50	49.3	ug/L	99	5			70 (61)	130 (105)	20 (20)
	3,3-Dichlorobenzidine	50	26.2	ug/L	52	2	*		70 (43)	130 (108)	20 (20)
	Benzo(a)anthracene	50	42.5	ug/L	85	3			70 (62)	130 (107)	20 (20)
	Chrysene	50	43.7	ug/L	87	4			70 (61)	130 (108)	20 (20)
	bis(2-Ethylhexyl)phthalate	50	49.1	ug/L	98	1			70 (59)	130 (110)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2134

Client: G Environmental

Analytical Method: 8270E **DataFile:** BF142596.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB168235BSD	Di-n-octyl phthalate	50	43.8	ug/L	88	0			70 (52)	130 (139)	20 (20)
	Benzo(b)fluoranthene	50	43.9	ug/L	88	7			70 (77)	130 (113)	20 (20)
	Benzo(k)fluoranthene	50	39.9	ug/L	80	5			70 (77)	130 (105)	20 (20)
	Benzo(a)pyrene	50	43.1	ug/L	86	4			70 (72)	130 (131)	20 (20)
	Indeno(1,2,3-cd)pyrene	50	40.7	ug/L	81	5			70 (72)	130 (105)	20 (20)
	Dibenz(a,h)anthracene	50	41.1	ug/L	82	5			70 (78)	130 (115)	20 (20)
	Benzo(g,h,i)perylene	50	40.6	ug/L	81	5			70 (75)	130 (118)	20 (20)
	1,2,4,5-Tetrachlorobenzene	50	40.1	ug/L	80	3			70 (72)	130 (101)	20 (20)
	1,4-Dioxane	50	34.4	ug/L	69	5			20 (38)	160 (125)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168235BL

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2134 SAS No.: Q2134 SDG NO.: Q2134

Lab File ID: BF142594.D Lab Sample ID: PB168235BL

Instrument ID: BNA_F Date Extracted: 05/30/2025

Matrix: (soil/water) Water Date Analyzed: 06/02/2025

Level: (low/med) LOW Time Analyzed: 13:26

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB168235BS	PB168235BS	BF142595.D	06/02/2025
PB168235BSD	PB168235BSD	BF142596.D	06/02/2025
MW10	Q2134-01	BF142597.D	06/02/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM SAS No.: Q2134 SDG NO.: Q2134

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

Instrument ID: BNA_F DFTPP Injection Time: 11:13

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

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

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

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

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM SAS No.: Q2134 SDG NO.: Q2134

Lab File ID: BF142589.D DFTPP Injection Date: 06/02/2025

Instrument ID: BNA_F DFTPP Injection Time: 11:01

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	36.3
68	Less than 2.0% of mass 69	0.4 (1.8) 1
69	Mass 69 relative abundance	32.4
70	Less than 2.0% of mass 69	0.1 (0.6) 1
127	10.0 - 80.0% of mass 198	45.2
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	29.1
365	Greater than 1% of mass 198	3.9
441	Present, but less than mass 443	20.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.3 (19.3) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF142590.D	06/02/2025	11:30
PB168235BL	PB168235BL	BF142594.D	06/02/2025	13:26
PB168235BS	PB168235BS	BF142595.D	06/02/2025	13:54
PB168235BSD	PB168235BSD	BF142596.D	06/02/2025	14:23
MW10	Q2134-01	BF142597.D	06/02/2025	15:05

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2134 SAS No.: Q2134 SDG NO.: Q2134

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/02/2025

Lab File ID: BF142590.D Time Analyzed: 11:30

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	112830	6.898	441878	8.19	241388	9.94
	UPPER LIMIT	225660	7.398	883756	8.686	482776	10.439
	LOWER LIMIT	56415	6.398	220939	7.686	120694	9.439
	EPA SAMPLE NO.						
01	PB168235BL	120624	6.90	466268	8.18	259648	9.94
02	PB168235BS	124139	6.90	485746	8.19	271698	9.95
03	PB168235BSD	121815	6.90	480019	8.19	267337	9.94
04	MW10	120089	6.90	445960	8.18	232989	9.94

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2134 SAS No.: Q2134 SDG NO.: Q2134

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/02/2025

Lab File ID: BF142590.D Time Analyzed: 11:30

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	415282	11.427	230387	14.074	238851	15.568
	UPPER LIMIT	830564	11.927	460774	14.574	477702	16.068
	LOWER LIMIT	207641	10.927	115194	13.574	119426	15.068
	EPA SAMPLE NO.						
01	PB168235BL	474960	11.43	286956	14.07	248222	15.57
02	PB168235BS	469529	11.43	249290	14.07	263582	15.57
03	PB168235BSD	467735	11.43	244296	14.07	271289	15.57
04	MW10	364457	11.43	246692	14.07	270947	15.56

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

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

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

QC SAMPLE DATA

Raw Data: **BF142594.D**

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	DPW	Date Received:	
Client Sample ID:	PB168235BL	SDG No.:	Q2134
Lab Sample ID:	PB168235BL	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
BF142594.D	1	05/30/25 09:21	06/02/25 13:26	PB168235

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: **BF142594.D**

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Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	DPW			Date Received:	
Client Sample ID:	PB168235BL			SDG No.:	Q2134
Lab Sample ID:	PB168235BL			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
BF142594.D	1	05/30/25 09:21	06/02/25 13:26	PB168235

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	80.1		30 (67) - 130 (132)	80%	SPK: 100
321-60-8	2-Fluorobiphenyl	76.2		30 (52) - 130 (132)	76%	SPK: 100
1718-51-0	Terphenyl-d14	77.1		30 (42) - 130 (152)	77%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	121000	6.898			

Raw Data: **BF142594.D**

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Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	DPW			Date Received:	
Client Sample ID:	PB168235BL			SDG No.:	Q2134
Lab Sample ID:	PB168235BL			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
BF142594.D	1	05/30/25 09:21	06/02/25 13:26	PB168235

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1146-65-2	Naphthalene-d8	466000	8.181			
15067-26-2	Acenaphthene-d10	260000	9.939			
1517-22-2	Phenanthrene-d10	475000	11.427			
1719-03-5	Chrysene-d12	287000	14.068			
1520-96-3	Perylene-d12	248000	15.568			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	10.5	A		5.13	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:	DPW	Date Received:	
Client Sample ID:	PB168235BS	SDG No.:	Q2134
Lab Sample ID:	PB168235BS	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
BF142595.D	1	05/30/25 09:21	06/02/25 13:54	PB168235

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	43.4		0.81	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	42.6		1.30	5.00	ug/L
98-86-2	Acetophenone	41.7		0.74	5.00	ug/L
621-64-7	n-Nitroso-di-n-propylamine	41.3		1.40	2.50	ug/L
67-72-1	Hexachloroethane	41.6		0.65	5.00	ug/L
98-95-3	Nitrobenzene	42.9		0.76	5.00	ug/L
78-59-1	Isophorone	42.2		0.75	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	42.9		0.68	5.00	ug/L
91-20-3	Naphthalene	42.4		0.50	5.00	ug/L
106-47-8	4-Chloroaniline	18.2		0.84	5.00	ug/L
87-68-3	Hexachlorobutadiene	40.9		0.54	5.00	ug/L
105-60-2	Caprolactam	51.7		1.10	10.0	ug/L
91-57-6	2-Methylnaphthalene	42.4		0.56	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	80.7	E	3.60	10.0	ug/L
92-52-4	1,1-Biphenyl	42.2		0.53	5.00	ug/L
91-58-7	2-Chloronaphthalene	41.9		0.61	5.00	ug/L
88-74-4	2-Nitroaniline	45.1		1.30	5.00	ug/L
131-11-3	Dimethylphthalate	44.2		0.61	5.00	ug/L
208-96-8	Acenaphthylene	42.4		0.75	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	45.7		0.92	5.00	ug/L
99-09-2	3-Nitroaniline	27.1		1.10	5.00	ug/L
83-32-9	Acenaphthene	46.3		0.55	5.00	ug/L
132-64-9	Dibenzofuran	42.4		0.61	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	47.5		1.20	5.00	ug/L
84-66-2	Diethylphthalate	45.0		0.69	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	42.6		0.68	5.00	ug/L
86-73-7	Fluorene	43.0		0.63	5.00	ug/L
100-01-6	4-Nitroaniline	48.5		1.50	5.00	ug/L

Raw Data: **BF142595.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:	DPW			Date Received:	
Client Sample ID:	PB168235BS			SDG No.:	Q2134
Lab Sample ID:	PB168235BS			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
BF142595.D	1	05/30/25 09:21	06/02/25 13:54	PB168235

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
86-30-6	n-Nitrosodiphenylamine	42.5		0.58	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	42.6		0.40	5.00	ug/L
118-74-1	Hexachlorobenzene	43.5		0.52	5.00	ug/L
1912-24-9	Atrazine	49.3		1.00	5.00	ug/L
85-01-8	Phenanthrene	43.1		0.50	5.00	ug/L
120-12-7	Anthracene	43.2		0.61	5.00	ug/L
86-74-8	Carbazole	44.9		0.72	5.00	ug/L
84-74-2	Di-n-butylphthalate	47.1		1.20	5.00	ug/L
206-44-0	Fluoranthene	45.6		0.82	5.00	ug/L
129-00-0	Pyrene	45.2		0.50	5.00	ug/L
85-68-7	Butylbenzylphthalate	52.0		1.90	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	26.6		0.93	10.0	ug/L
56-55-3	Benzo(a)anthracene	43.9		0.45	5.00	ug/L
218-01-9	Chrysene	45.7		0.44	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	49.7		1.60	5.00	ug/L
117-84-0	Di-n-octyl phthalate	43.8		2.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	46.9		0.49	5.00	ug/L
207-08-9	Benzo(k)fluoranthene	42.1		0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	45.0		0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	42.6		0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	43.1		0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	42.6		0.69	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	41.5		0.52	5.00	ug/L
123-91-1	1,4-Dioxane	36.0		1.00	5.00	ug/L
SURROGATES						
4165-60-0	Nitrobenzene-d5	76.2		30 (67) - 130 (132)	76%	SPK: 100
321-60-8	2-Fluorobiphenyl	72.0		30 (52) - 130 (132)	72%	SPK: 100
1718-51-0	Terphenyl-d14	79.0		30 (42) - 130 (152)	79%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	124000	6.898			

Raw Data: **BF142595.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:	DPW			Date Received:	
Client Sample ID:	PB168235BS			SDG No.:	Q2134
Lab Sample ID:	PB168235BS			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
BF142595.D	1	05/30/25 09:21	06/02/25 13:54	PB168235

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1146-65-2	Naphthalene-d8	486000	8.186			
15067-26-2	Acenaphthene-d10	272000	9.945			
1517-22-2	Phenanthrene-d10	470000	11.433			
1719-03-5	Chrysene-d12	249000	14.074			
1520-96-3	Perylene-d12	264000	15.568			

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

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

Raw Data: **BF142596.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:	DPW	Date Received:	
Client Sample ID:	PB168235BSD	SDG No.:	Q2134
Lab Sample ID:	PB168235BSD	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
BF142596.D	1	05/30/25 09:21	06/02/25 14:23	PB168235

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	33.6		3.90	10.0	ug/L
111-44-4	bis(2-Chloroethyl)ether	41.9		0.81	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	41.4		1.30	5.00	ug/L
98-86-2	Acetophenone	40.5		0.74	5.00	ug/L
621-64-7	n-Nitroso-di-n-propylamine	40.6		1.40	2.50	ug/L
67-72-1	Hexachloroethane	40.3		0.65	5.00	ug/L
98-95-3	Nitrobenzene	40.6		0.76	5.00	ug/L
78-59-1	Isophorone	40.9		0.75	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	41.5		0.68	5.00	ug/L
91-20-3	Naphthalene	41.0		0.50	5.00	ug/L
106-47-8	4-Chloroaniline	18.1		0.84	5.00	ug/L
87-68-3	Hexachlorobutadiene	40.3		0.54	5.00	ug/L
105-60-2	Caprolactam	49.3		1.10	10.0	ug/L
91-57-6	2-Methylnaphthalene	40.6		0.56	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	77.8		3.60	10.0	ug/L
92-52-4	1,1-Biphenyl	40.5		0.53	5.00	ug/L
91-58-7	2-Chloronaphthalene	40.7		0.61	5.00	ug/L
88-74-4	2-Nitroaniline	43.4		1.30	5.00	ug/L
131-11-3	Dimethylphthalate	43.0		0.61	5.00	ug/L
208-96-8	Acenaphthylene	41.1		0.75	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	44.2		0.92	5.00	ug/L
99-09-2	3-Nitroaniline	26.1		1.10	5.00	ug/L
83-32-9	Acenaphthene	45.2		0.55	5.00	ug/L
132-64-9	Dibenzofuran	41.2		0.61	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	46.2		1.20	5.00	ug/L
84-66-2	Diethylphthalate	43.1		0.69	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	41.5		0.68	5.00	ug/L
86-73-7	Fluorene	41.5		0.63	5.00	ug/L
100-01-6	4-Nitroaniline	45.9		1.50	5.00	ug/L

Raw Data: **BF142596.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:	DPW			Date Received:	
Client Sample ID:	PB168235BSD			SDG No.:	Q2134
Lab Sample ID:	PB168235BSD			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
BF142596.D	1	05/30/25 09:21	06/02/25 14:23	PB168235

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
86-30-6	n-Nitrosodiphenylamine	41.1		0.58	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	41.0		0.40	5.00	ug/L
118-74-1	Hexachlorobenzene	41.6		0.52	5.00	ug/L
1912-24-9	Atrazine	46.4		1.00	5.00	ug/L
85-01-8	Phenanthrene	41.2		0.50	5.00	ug/L
120-12-7	Anthracene	41.1		0.61	5.00	ug/L
86-74-8	Carbazole	42.0		0.72	5.00	ug/L
84-74-2	Di-n-butylphthalate	44.2		1.20	5.00	ug/L
206-44-0	Fluoranthene	42.5		0.82	5.00	ug/L
129-00-0	Pyrene	42.8		0.50	5.00	ug/L
85-68-7	Butylbenzylphthalate	49.3		1.90	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	26.2		0.93	10.0	ug/L
56-55-3	Benzo(a)anthracene	42.5		0.45	5.00	ug/L
218-01-9	Chrysene	43.7		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	43.8		2.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	43.9		0.49	5.00	ug/L
207-08-9	Benzo(k)fluoranthene	39.9		0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	43.1		0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	40.7		0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	41.1		0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	40.6		0.69	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	40.1		0.52	5.00	ug/L
123-91-1	1,4-Dioxane	34.4		1.00	5.00	ug/L
SURROGATES						
4165-60-0	Nitrobenzene-d5	73.1		30 (67) - 130 (132)	73%	SPK: 100
321-60-8	2-Fluorobiphenyl	69.6		30 (52) - 130 (132)	70%	SPK: 100
1718-51-0	Terphenyl-d14	75.7		30 (42) - 130 (152)	76%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	122000	6.898			

Raw Data: **BF142596.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:	DPW			Date Received:	
Client Sample ID:	PB168235BSD			SDG No.:	Q2134
Lab Sample ID:	PB168235BSD			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
BF142596.D	1	05/30/25 09:21	06/02/25 14:23	PB168235

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1146-65-2	Naphthalene-d8	480000	8.186			
15067-26-2	Acenaphthene-d10	267000	9.939			
1517-22-2	Phenanthrene-d10	468000	11.433			
1719-03-5	Chrysene-d12	244000	14.074			
1520-96-3	Perylene-d12	271000	15.568			

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

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

CALIBRATION SUMMARY

Response Factor Report BNA_F

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

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

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

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

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

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

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

(#) = Out of Range

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.: Q2134 SAS No.: Q2134 SDG No.: Q2134

Instrument ID: BNA_F Calibration Date/Time: 06/02/2025 11:30

Lab File ID: BF142590.D Init. Calib. Date(s): 05/20/2025 05/20/2025

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

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.187	1.153		-2.9	
Benzaldehyde	0.859	0.802		-6.6	
Phenol-d6	1.429	1.385		-3.1	
bis(2-Chloroethyl)ether	1.157	1.124		-2.9	
2,2-oxybis(1-Chloropropane)	1.944	1.872		-3.7	
Acetophenone	0.443	0.417		-5.9	
n-Nitroso-di-n-propylamine	0.886	0.829	0.050	-6.4	
Nitrobenzene-d5	0.367	0.347		-5.4	
Hexachloroethane	0.507	0.483		-4.7	
Nitrobenzene	0.331	0.314		-5.1	
Isophorone	0.613	0.575		-6.2	
bis(2-Chloroethoxy)methane	0.383	0.365		-4.7	
Naphthalene	0.985	0.939		-4.7	
4-Chloroaniline	0.399	0.389		-2.5	
Hexachlorobutadiene	0.192	0.175		-8.9	20.0
Caprolactam	0.080	0.084		5.0	
2-Methylnaphthalene	0.620	0.581		-6.3	
Hexachlorocyclopentadiene	0.387	0.340	0.050	-12.1	
2-Fluorobiphenyl	1.490	1.341		-10.0	
1,1-Biphenyl	1.552	1.455		-6.3	
2-Chloronaphthalene	1.146	1.080		-5.8	
2-Nitroaniline	0.331	0.325		-1.8	
Dimethylphthalate	1.320	1.263		-4.3	
Acenaphthylene	1.936	1.830		-5.5	
2,6-Dinitrotoluene	0.285	0.279		-2.1	
3-Nitroaniline	0.311	0.315		1.3	
Acenaphthene	1.182	1.118		-5.4	20.0
Dibenzofuran	1.701	1.606		-5.6	
2,4-Dinitrotoluene	0.372	0.374		0.5	
Diethylphthalate	1.289	1.226		-4.9	
4-Chlorophenyl-phenylether	0.646	0.612		-5.3	
Fluorene	1.314	1.257		-4.3	
4-Nitroaniline	0.282	0.295		4.6	
n-Nitrosodiphenylamine	0.684	0.641		-6.3	20.0
2,4,6-Tribromophenol	0.222	0.212		-4.5	
4-Bromophenyl-phenylether	0.236	0.220		-6.8	
Hexachlorobenzene	0.262	0.246		-6.1	
Atrazine	0.182	0.184		1.1	
Phenanthrene	1.069	1.016		-5.0	

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2134 SAS No.: Q2134 SDG No.: Q2134

Instrument ID: BNA_F Calibration Date/Time: 06/02/2025 11:30

Lab File ID: BF142590.D Init. Calib. Date(s): 05/20/2025 05/20/2025

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

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Anthracene	1.091	1.045		-4.2	
Carbazole	0.933	0.918		-1.6	
Di-n-butylphthalate	1.021	1.018		-0.3	
Fluoranthene	0.999	0.991		-0.8	20.0
Pyrene	1.866	1.760		-5.7	
Terphenyl-d14	1.464	1.327		-9.4	
Butylbenzylphthalate	0.516	0.546		5.8	
3,3-Dichlorobenzidine	0.405	0.425		4.9	
Benzo(a)anthracene	1.336	1.272		-4.8	
Chrysene	1.200	1.136		-5.3	
Bis(2-ethylhexyl)phthalate	0.660	0.694		5.2	
Di-n-octyl phthalate	1.290	1.195		-7.4	20.0
Benzo(b)fluoranthene	1.184	1.126		-4.9	
Benzo(k)fluoranthene	1.109	1.039		-6.3	
Benzo(a)pyrene	1.116	1.071		-4.0	20.0
Indeno(1,2,3-cd)pyrene	1.501	1.368		-8.9	
Dibenzo(a,h)anthracene	1.218	1.126		-7.6	
Benzo(g,h,i)perylene	1.218	1.105		-9.3	
1,2,4,5-Tetrachlorobenzene	0.574	0.542		-5.6	
1,4-Dioxane	0.475	0.464		-2.3	20.0

All other compounds must meet a minimum RRF of 0.010.

SAMPLE RAW DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142597.D
Acq On : 02 Jun 2025 15:05
Operator : RC/JU
Sample : Q2134-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW10

Quant Time: Jun 02 15:47:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

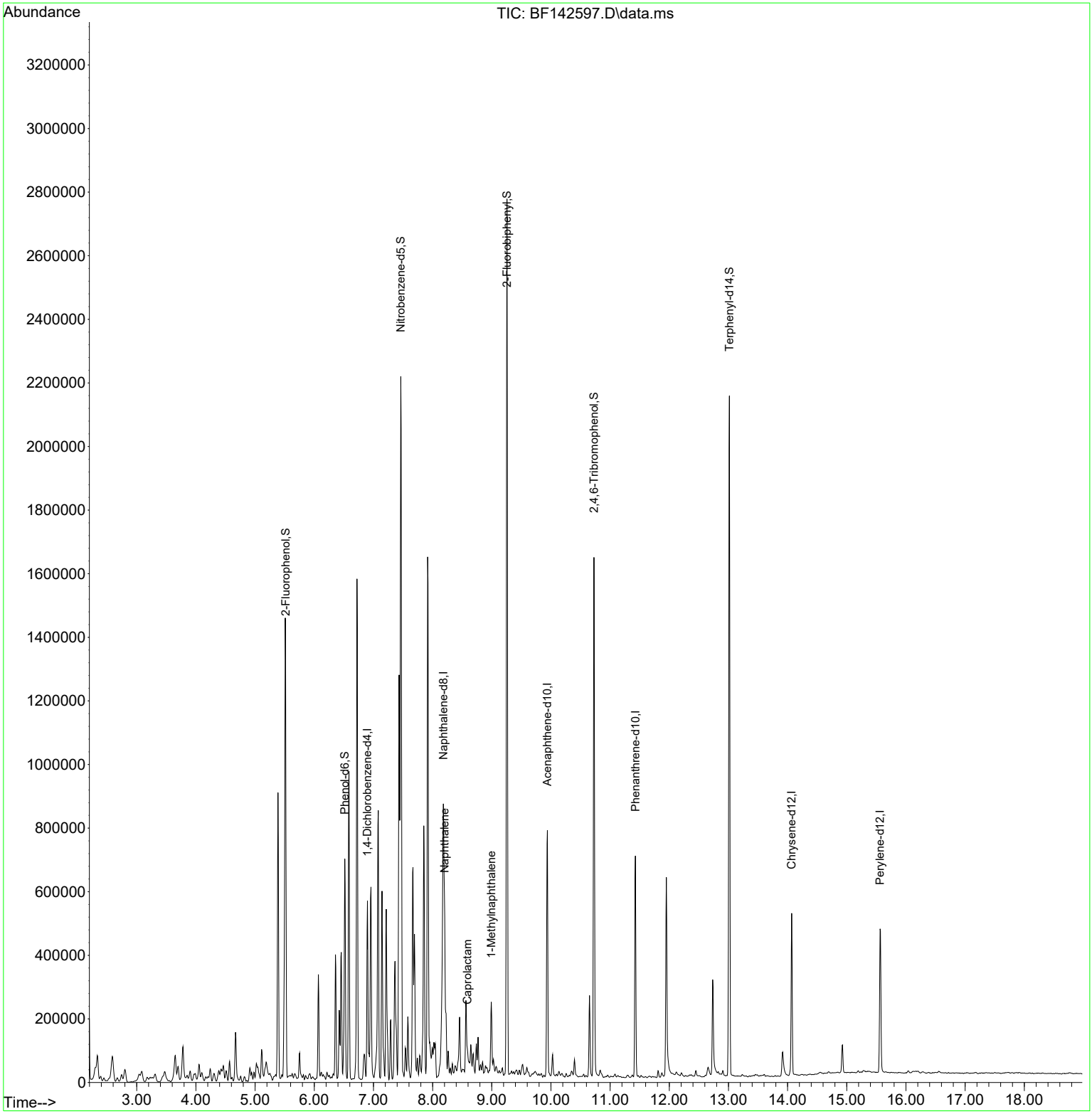
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	120089	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	445960	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	232989	20.000	ng	0.00
64) Phenanthrene-d10	11.428	188	364457	20.000	ng	0.00
76) Chrysene-d12	14.069	240	246692	20.000	ng	0.00
86) Perylene-d12	15.563	264	270947	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	400957	56.251	ng	0.00
7) Phenol-d6	6.516	99	311476	36.301	ng	-0.02
23) Nitrobenzene-d5	7.463	82	608220	74.369	ng	-0.01
42) 2,4,6-Tribromophenol	10.728	330	293646	113.557	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	1262677	72.722	ng	-0.01
79) Terphenyl-d14	13.016	244	1060270	58.733	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.204	128	180829	8.235	ng	# 95
35) Caprolactam	8.587	113	12899	7.266	ng	97
38) 1-Methylnaphthalene	8.992	142	71333	4.992	ng	98

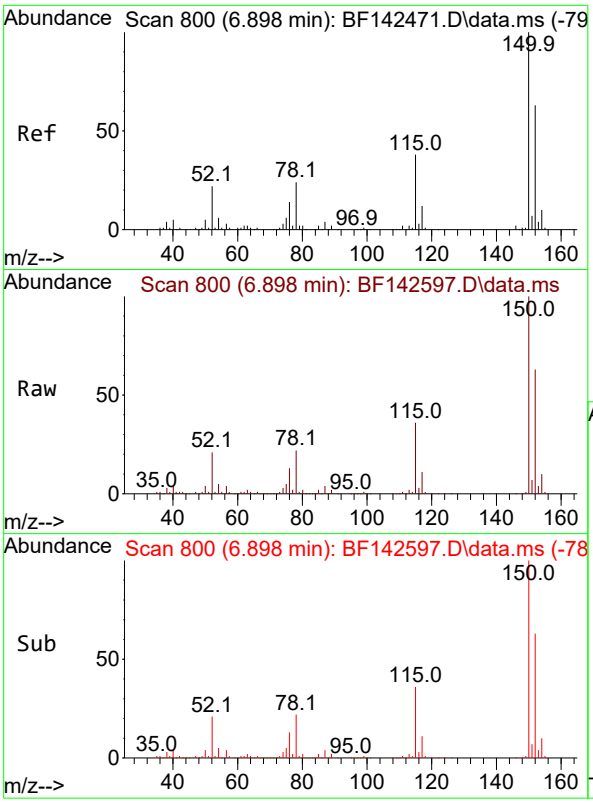
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142597.D
Acq On : 02 Jun 2025 15:05
Operator : RC/JU
Sample : Q2134-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW10

Quant Time: Jun 02 15:47:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration



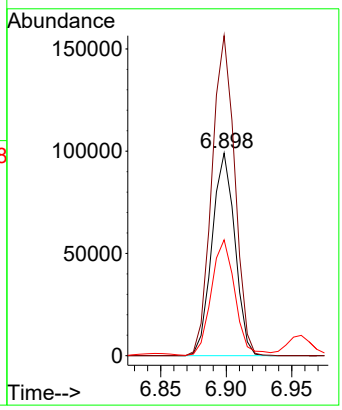


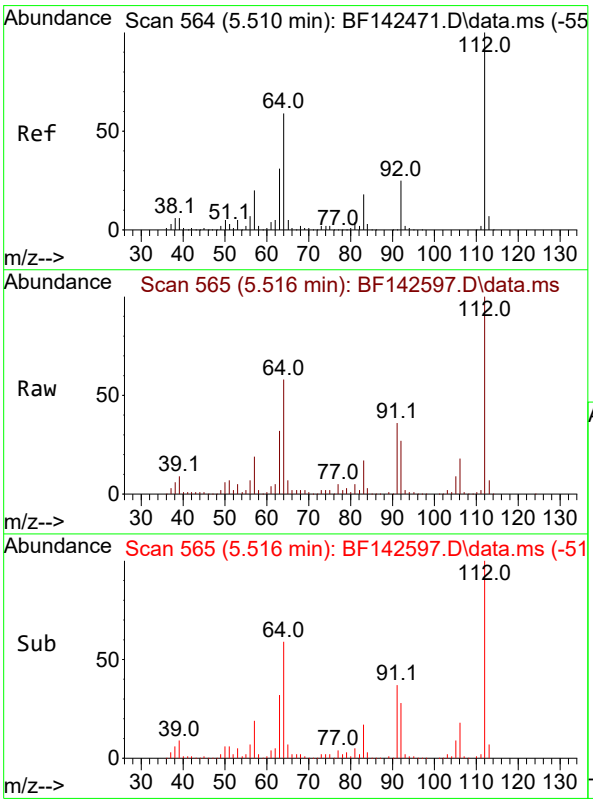
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142597.D
Acq: 02 Jun 2025 15:05

Instrument :
BNA_F
ClientSampleId :
MW10

Tgt Ion:152 Resp: 120089

Ion	Ratio	Lower	Upper
152	100		
150	158.0	128.2	192.4
115	57.2	48.3	72.5

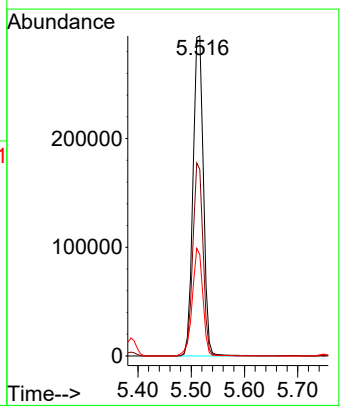


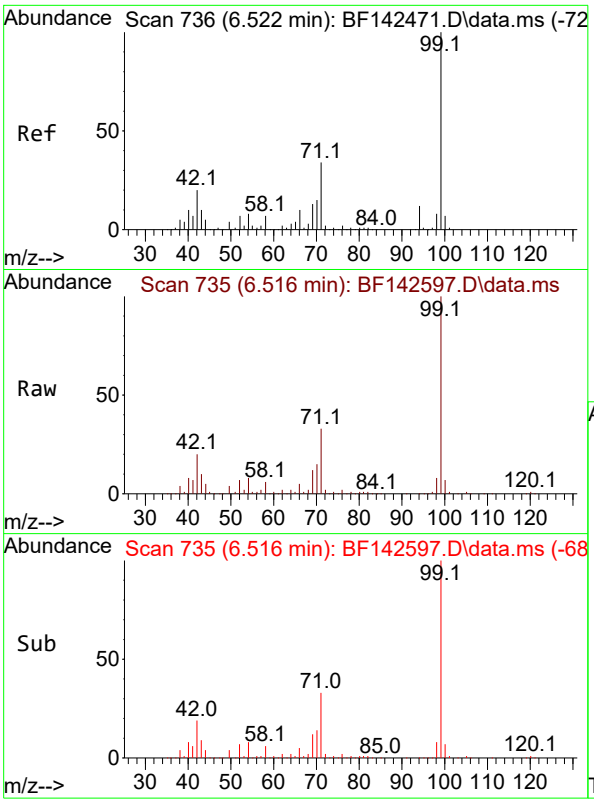


#5
2-Fluorophenol
Concen: 56.251 ng
RT: 5.516 min Scan# 565
Delta R.T. 0.000 min
Lab File: BF142597.D
Acq: 02 Jun 2025 15:05

Tgt Ion:112 Resp: 400957

Ion	Ratio	Lower	Upper
112	100		
64	58.3	47.5	71.3
63	31.7	24.9	37.3



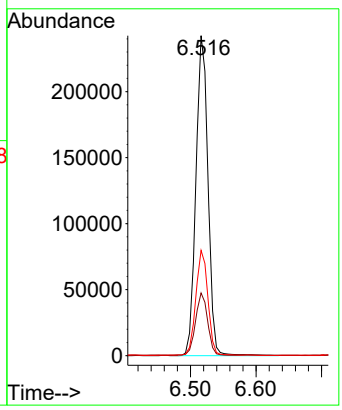


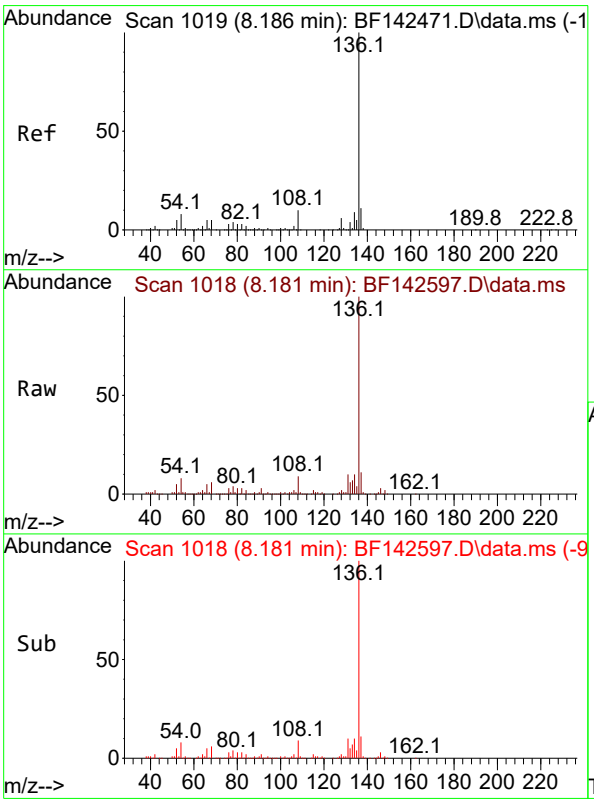
#7
Phenol-d6
Concen: 36.301 ng
RT: 6.516 min Scan# 7
Delta R.T. -0.017 min
Lab File: BF142597.D
Acq: 02 Jun 2025 15:05

Instrument :
BNA_F
ClientSampleId :
MW10

Tgt Ion: 99 Resp: 311476

Ion	Ratio	Lower	Upper
99	100		
42	19.6	16.2	24.2
71	32.9	27.3	40.9

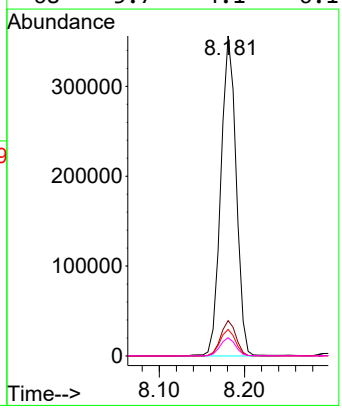


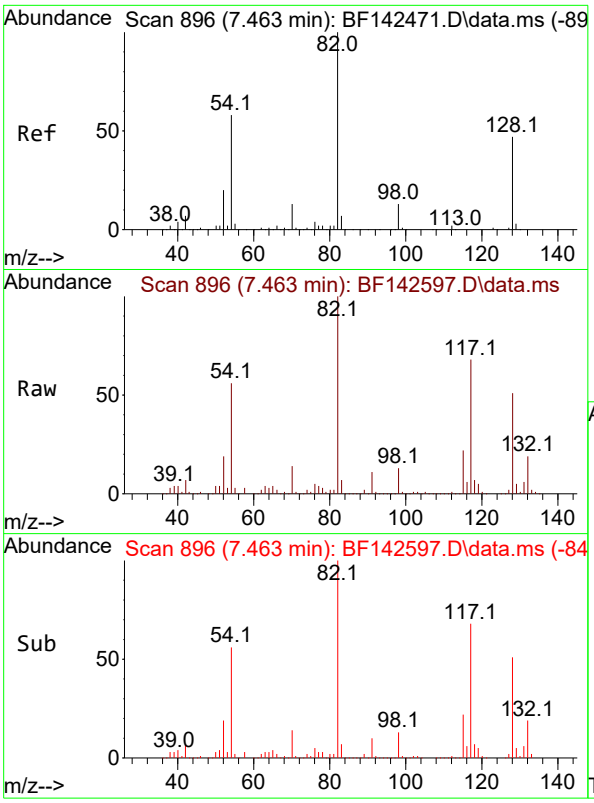


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF142597.D
Acq: 02 Jun 2025 15:05

Tgt Ion:136 Resp: 445960

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	8.3	6.6	10.0
68	5.7	4.1	6.1



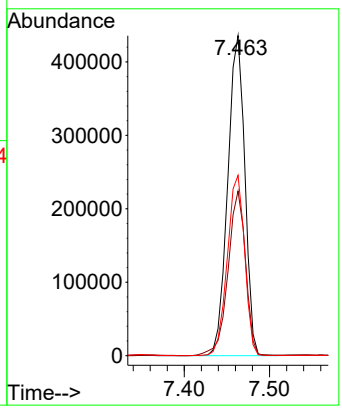


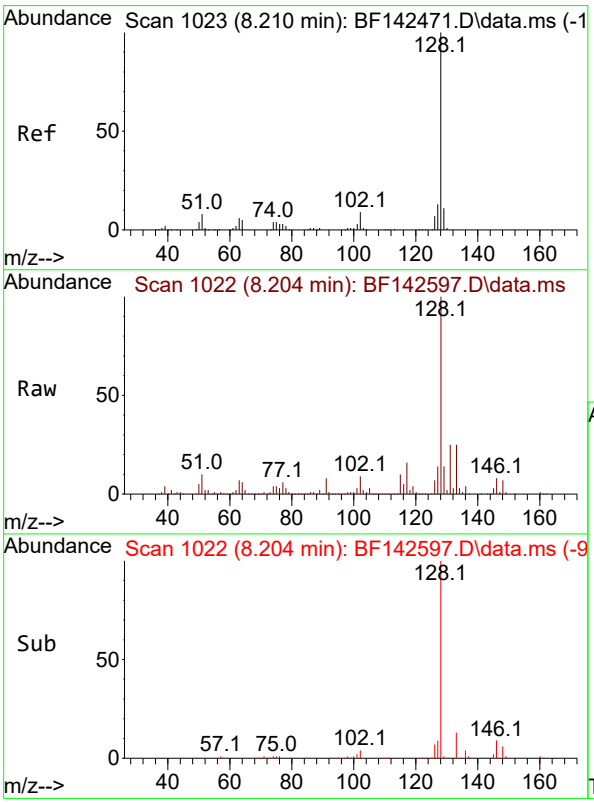
#23
Nitrobenzene-d5
Concen: 74.369 ng
RT: 7.463 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF142597.D
Acq: 02 Jun 2025 15:05

Instrument :
BNA_F
ClientSampleId :
MW10

Tgt Ion: 82 Resp: 608220

Ion	Ratio	Lower	Upper
82	100		
128	51.5	37.4	56.2
54	56.4	46.6	70.0

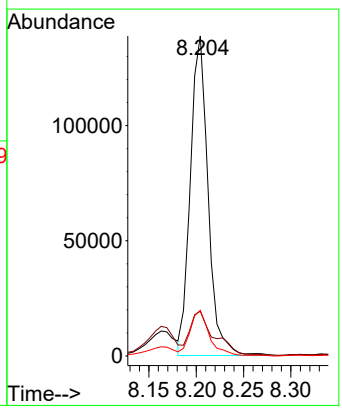


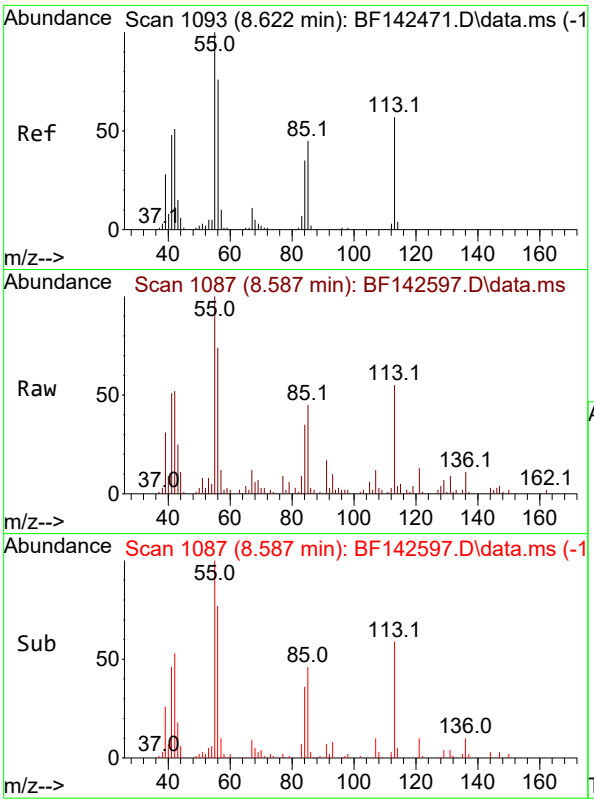


#31
Naphthalene
Concen: 8.235 ng
RT: 8.204 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF142597.D
Acq: 02 Jun 2025 15:05

Tgt Ion:128 Resp: 180829

Ion	Ratio	Lower	Upper
128	100		
129	14.0	8.9	13.3#
127	14.2	10.5	15.7



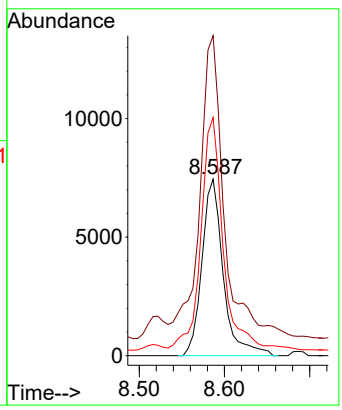


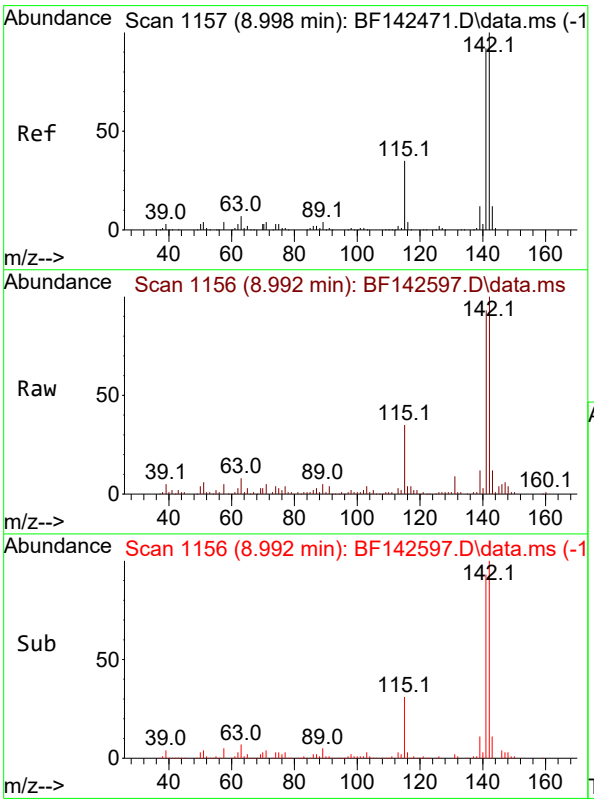
#35
Caprolactam
Concen: 7.266 ng
RT: 8.587 min Scan# 1
Delta R.T. -0.059 min
Lab File: BF142597.D
Acq: 02 Jun 2025 15:05

Instrument :
BNA_F
ClientSampleId :
MW10

Tgt Ion:113 Resp: 12899

Ion	Ratio	Lower	Upper
113	100		
55	181.3	154.7	194.7
56	134.9	113.2	153.2

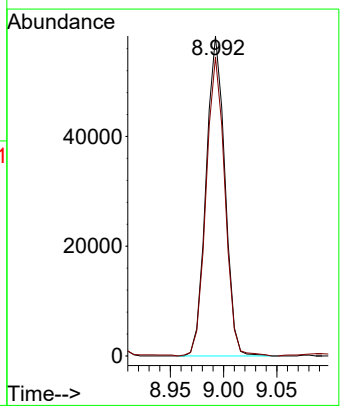


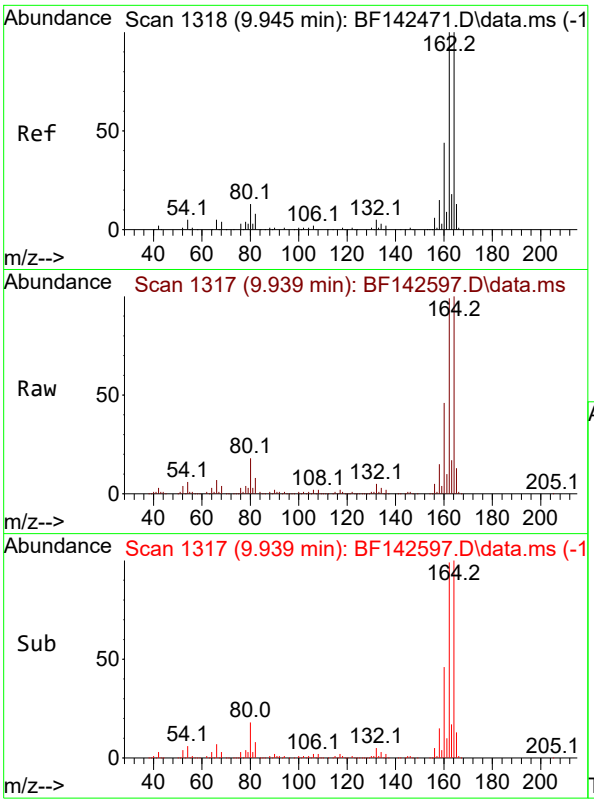


#38
1-Methylnaphthalene
Concen: 4.992 ng
RT: 8.992 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BF142597.D
Acq: 02 Jun 2025 15:05

Tgt Ion:142 Resp: 71333

Ion	Ratio	Lower	Upper
142	100		
141	93.5	73.4	110.2



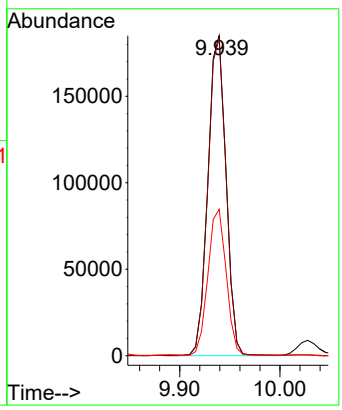


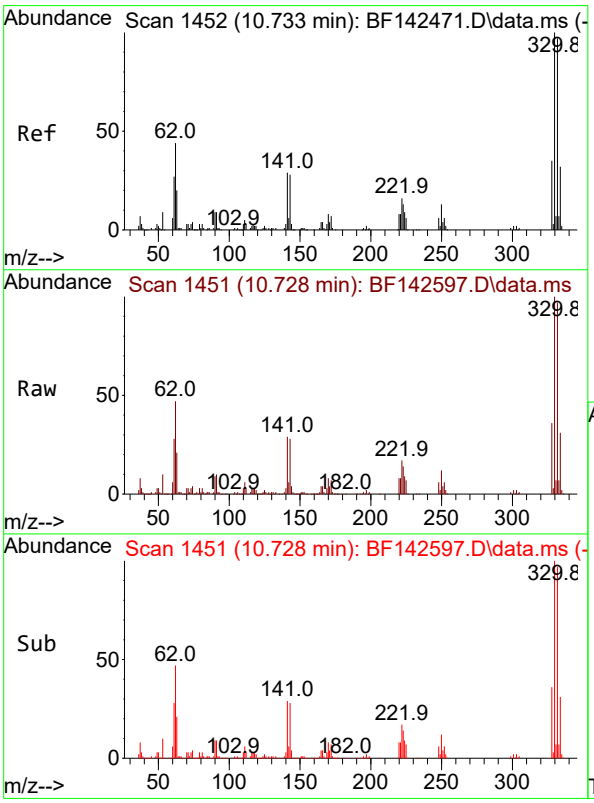
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142597.D
Acq: 02 Jun 2025 15:05

Instrument :
BNA_F
ClientSampleId :
MW10

Tgt Ion:164 Resp: 232989

Ion	Ratio	Lower	Upper
164	100		
162	99.1	80.2	120.4
160	45.8	35.6	53.4

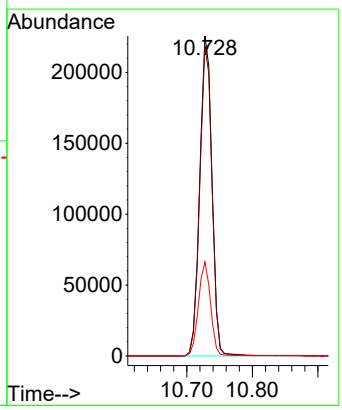


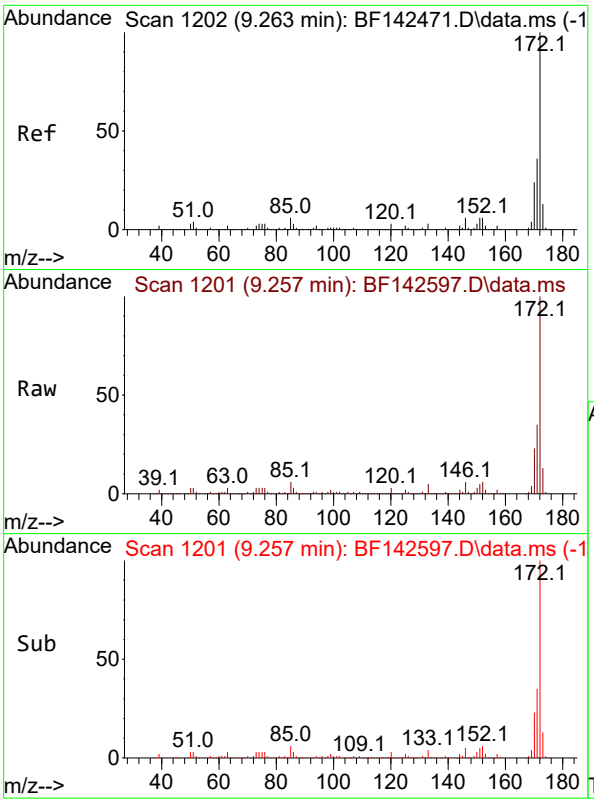


#42
2,4,6-Tribromophenol
Concen: 113.557 ng
RT: 10.728 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF142597.D
Acq: 02 Jun 2025 15:05

Tgt Ion:330 Resp: 293646

Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.6	116.4
141	29.3	24.6	36.8



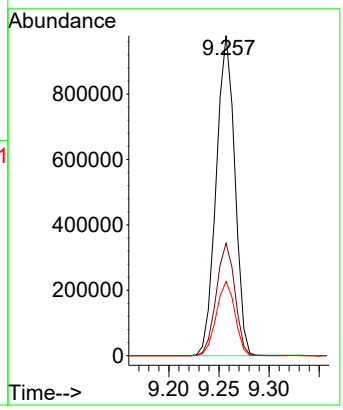


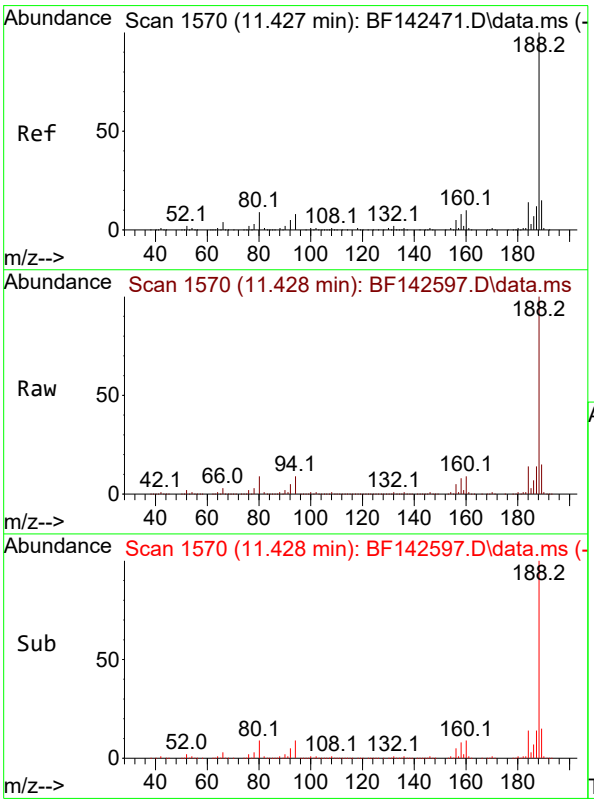
#45
2-Fluorobiphenyl
Concen: 72.722 ng
RT: 9.257 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142597.D
Acq: 02 Jun 2025 15:05

Instrument :
BNA_F
ClientSampleId :
MW10

Tgt Ion:172 Resp: 1262677

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.6	42.8
170	23.2	18.9	28.3

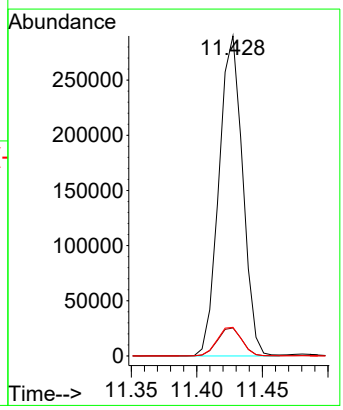


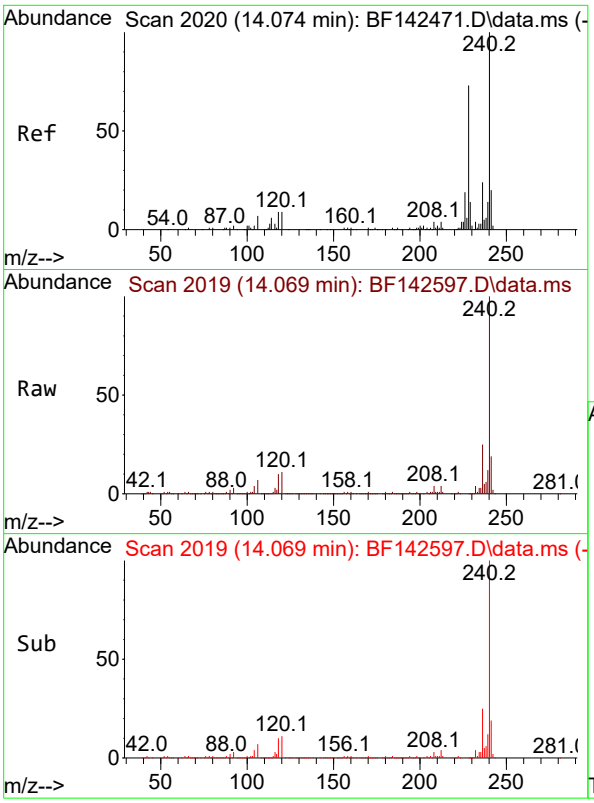


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.428 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF142597.D
Acq: 02 Jun 2025 15:05

Tgt Ion:188 Resp: 364457

Ion	Ratio	Lower	Upper
188	100		
94	8.8	6.6	10.0
80	8.9	7.4	11.0



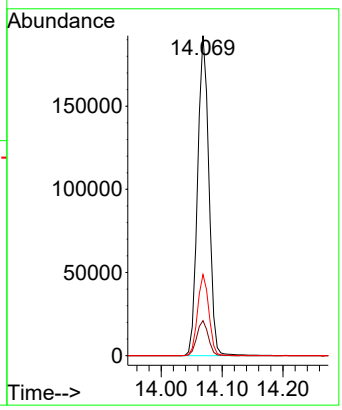


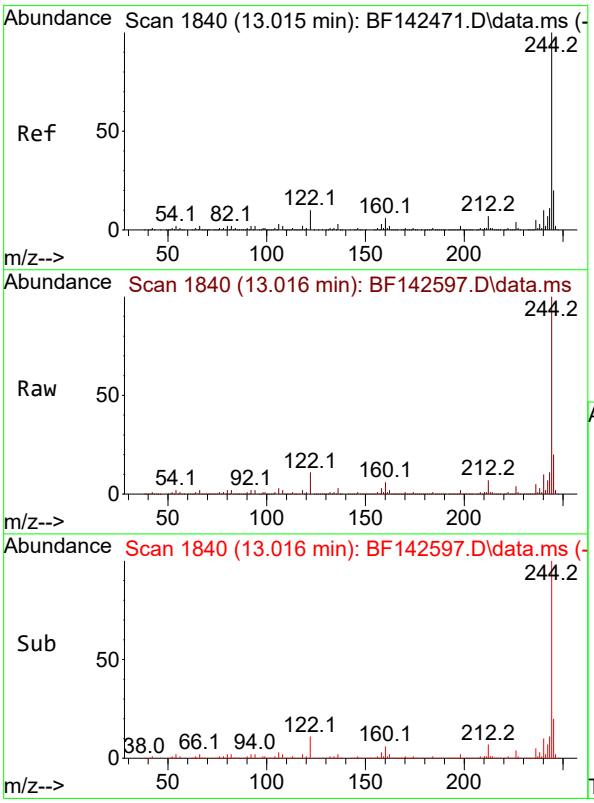
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.069 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142597.D
Acq: 02 Jun 2025 15:05

Instrument :
BNA_F
ClientSampleId :
MW10

Tgt Ion:240 Resp: 246692

Ion	Ratio	Lower	Upper
240	100		
120	11.0	7.5	11.3
236	25.3	19.6	29.4

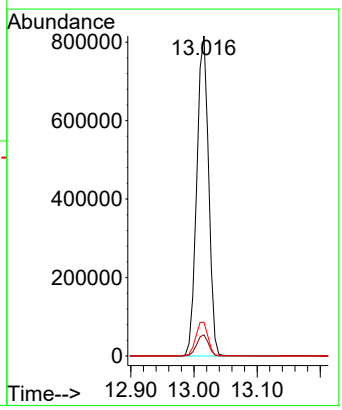


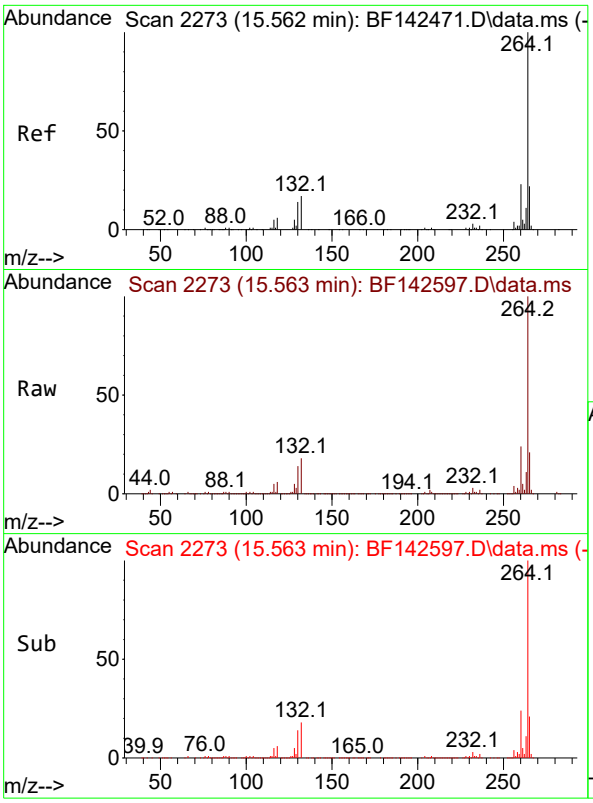


#79
Terphenyl-d14
Concen: 58.733 ng
RT: 13.016 min Scan# 1840
Delta R.T. 0.000 min
Lab File: BF142597.D
Acq: 02 Jun 2025 15:05

Tgt Ion:244 Resp: 1060270

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.3	7.9
122	10.6	8.2	12.2



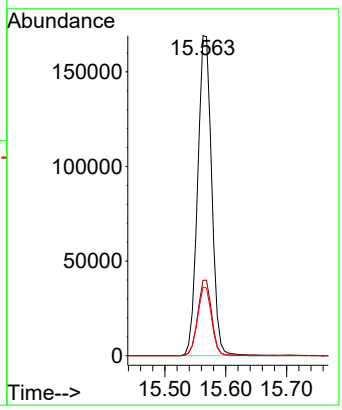


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.563 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142597.D
Acq: 02 Jun 2025 15:05

Instrument :
BNA_F
ClientSampleId :
MW10

Tgt Ion:264 Resp: 270947

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.6	28.0
265	21.5	17.7	26.5



Sample Results: **BF142597.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142597.D
Acq On : 02 Jun 2025 15:05
Operator : RC/JU
Sample : Q2134-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW10

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

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

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

Signal : TIC: BF142597.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.299	9	18	19	rBV2	37206	66956	1.89%	0.146%
2	2.334	20	24	30	rVB2	73169	140480	3.96%	0.306%
3	2.587	52	67	76	rVB3	77572	224030	6.32%	0.488%
4	2.746	87	94	98	rBV	20786	44953	1.27%	0.098%
5	2.799	98	103	113	rVB3	40161	93291	2.63%	0.203%
6	3.040	125	144	147	rBV4	24157	71493	2.02%	0.156%
7	3.081	147	151	161	rVB3	32025	72969	2.06%	0.159%
8	3.310	185	190	202	rVB4	24339	60180	1.70%	0.131%
9	3.475	202	218	228	rBV5	32241	122487	3.46%	0.267%
10	3.652	235	248	252	rBV	82713	202966	5.73%	0.442%
11	3.699	252	256	261	rVB	42397	72113	2.04%	0.157%
12	3.781	261	270	278	rBV2	103217	211629	5.97%	0.461%
13	3.899	285	290	296	rVB2	29449	54434	1.54%	0.119%
14	4.052	310	316	320	rBV3	47261	85375	2.41%	0.186%
15	4.099	320	324	331	rVB2	25213	50226	1.42%	0.109%
16	4.240	344	348	353	rVB3	37693	64243	1.81%	0.140%
17	4.304	353	359	366	rVB4	24062	47907	1.35%	0.104%
18	4.387	366	373	376	rBV2	32807	68917	1.95%	0.150%
19	4.463	383	386	390	rVB2	37852	55387	1.56%	0.121%
20	4.510	390	394	399	rVB3	30019	51151	1.44%	0.111%
21	4.569	399	404	409	rBV	60392	93677	2.64%	0.204%
22	4.669	415	421	432	rBV2	152509	259104	7.31%	0.564%
23	4.910	457	462	465	rBV2	42977	68625	1.94%	0.149%
24	5.022	477	481	484	rBV	44649	72142	2.04%	0.157%
25	5.110	492	496	502	rBV	90188	132901	3.75%	0.289%
26	5.187	502	509	517	rVV6	44917	118925	3.36%	0.259%
27	5.387	538	543	550	rVB	899348	1169879	33.02%	2.547%
28	5.510	556	564	570	rVB2	1445157	2222599	62.73%	4.839%
29	5.751	600	605	613	rVV	78594	114979	3.25%	0.250%
30	6.069	654	659	664	rBV	326362	408555	11.53%	0.889%
31	6.216	680	684	688	rBV4	21830	37099	1.05%	0.081%
32	6.357	704	708	713	rVB	389408	483222	13.64%	1.052%
33	6.422	713	719	722	rBV	214675	301177	8.50%	0.656%
34	6.457	722	725	729	rVV	396493	484308	13.67%	1.054%
35	6.516	729	735	741	rVB2	690435	1004715	28.36%	2.187%
36	6.587	741	747	752	rBV	965484	1221291	34.47%	2.659%

Sample Results: **BF142597.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142597.D
Acq On : 02 Jun 2025 15:05
Operator : RC/JU
Sample : Q2134-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW10

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

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

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

37	6.722	761	770	776	rBV	1572208	2037190	57.50%	4.435%
38	6.845	784	791	796	rBV3	78675	161359	4.55%	0.351%
39	6.898	796	800	804	rVV	553591	710479	20.05%	1.547%
40	6.957	806	810	818	rVB	599502	795584	22.45%	1.732%
41	7.081	818	831	837	rVB	841700	1214825	34.29%	2.645%
42	7.145	837	842	850	rBV2	588315	818542	23.10%	1.782%
43	7.216	850	854	862	rVB	536242	824428	23.27%	1.795%
44	7.292	862	867	872	rBV	188874	246809	6.97%	0.537%
45	7.363	872	879	886	rBV	370563	711973	20.09%	1.550%
46	7.434	886	891	893	rBV	1258517	1695099	47.84%	3.690%
47	7.463	893	896	902	rVB2	2187833	3013792	85.06%	6.561%
48	7.540	905	909	913	rBV3	90077	127616	3.60%	0.278%
49	7.581	913	916	923	rVB2	191909	260553	7.35%	0.567%
50	7.669	923	931	933	rBV	661947	937487	26.46%	2.041%
51	7.692	933	935	941	rVB	430060	474686	13.40%	1.033%
52	7.745	941	944	947	rVB	52184	59663	1.68%	0.130%
53	7.781	947	950	955	rBV2	60813	87614	2.47%	0.191%
54	7.851	955	962	968	rVB	780081	1166073	32.91%	2.539%
55	7.916	968	973	978	rBV	1625297	2239969	63.22%	4.876%
56	8.022	988	991	993	rBV	37481	39259	1.11%	0.085%
57	8.181	1003	1018	1025	rBV4	856521	2365656	66.77%	5.150%
58	8.263	1029	1032	1036	rVB2	69257	83825	2.37%	0.182%
59	8.334	1041	1044	1048	rBV	32581	37469	1.06%	0.082%
60	8.381	1048	1052	1056	rVV3	23500	40799	1.15%	0.089%
61	8.457	1056	1065	1070	rVB2	173253	286706	8.09%	0.624%
62	8.563	1079	1083	1093	rBV2	224499	414215	11.69%	0.902%
63	8.645	1094	1097	1101	rVV	83504	117777	3.32%	0.256%
64	8.687	1101	1104	1109	rVB3	60270	87524	2.47%	0.191%
65	8.739	1109	1113	1115	rBV	92128	115914	3.27%	0.252%
66	8.769	1115	1118	1122	rVB2	104656	118596	3.35%	0.258%
67	8.845	1128	1131	1134	rVB2	35544	41668	1.18%	0.091%
68	8.992	1151	1156	1160	rBV	215851	290462	8.20%	0.632%
69	9.028	1160	1162	1166	rVV3	38974	45303	1.28%	0.099%
70	9.075	1166	1170	1176	rVB6	20120	35741	1.01%	0.078%
71	9.257	1195	1201	1206	rVB	2753767	3543100	100.00%	7.713%
72	9.522	1240	1246	1251	rVB3	32284	61264	1.73%	0.133%
73	9.939	1311	1317	1322	rBV	774433	1000515	28.24%	2.178%
74	10.028	1327	1332	1339	rVB	66947	93873	2.65%	0.204%
75	10.398	1391	1395	1406	rVB	54930	86041	2.43%	0.187%
76	10.651	1433	1438	1445	rBV	254944	331528	9.36%	0.722%

Sample Results: **BF142597.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142597.D
Acq On : 02 Jun 2025 15:05
Operator : RC/JU
Sample : Q2134-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW10

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

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

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

77	10.728	1445	1451	1465	rVV	1634177	2150051	60.68%	4.681%
78	10.833	1465	1469	1478	rVB3	23175	51593	1.46%	0.112%
79	11.428	1564	1570	1576	rBV	695130	882841	24.92%	1.922%
80	11.951	1653	1659	1673	rBV	623198	940205	26.54%	2.047%
81	12.657	1773	1779	1786	rBV3	26292	59766	1.69%	0.130%
82	12.733	1787	1792	1805	rBV	298203	472248	13.33%	1.028%
83	13.016	1834	1840	1845	rBV	2137594	2800731	79.05%	6.097%
84	13.916	1987	1993	2010	rBV	75315	175235	4.95%	0.381%
85	14.069	2011	2019	2028	rBV	509716	677035	19.11%	1.474%
86	14.927	2160	2165	2172	rVB	87492	124984	3.53%	0.272%
87	15.563	2267	2273	2286	rBV	451316	724403	20.45%	1.577%

Sum of corrected areas: 45934453

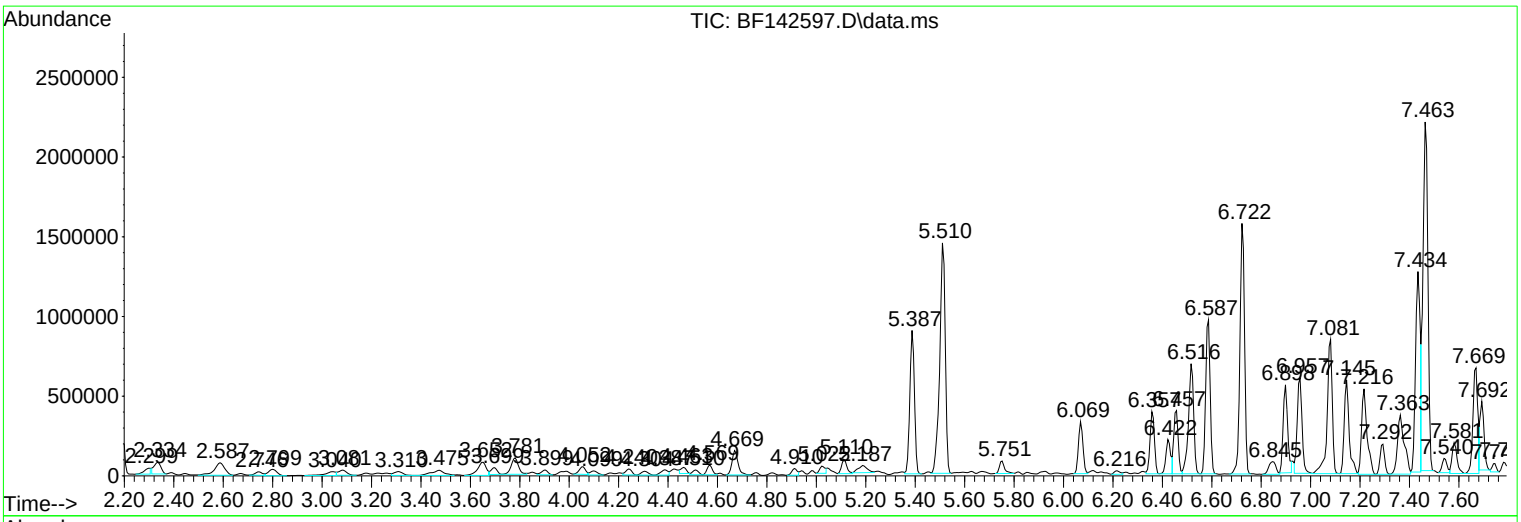
Sample Results: **BF142597.D**

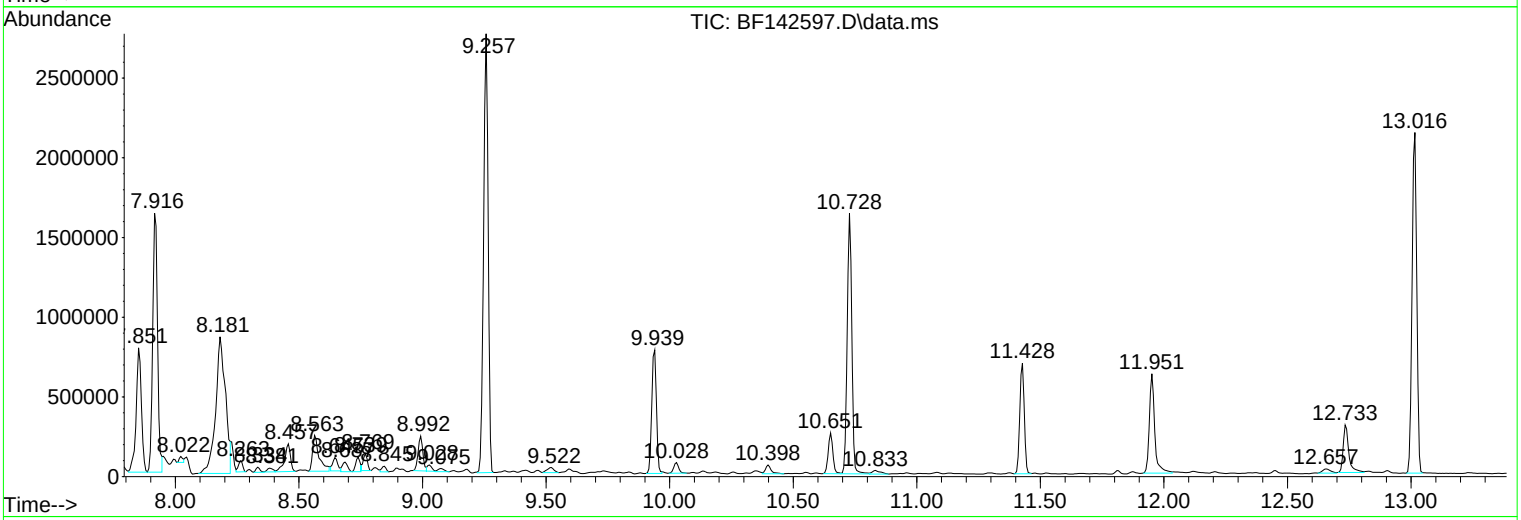
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142597.D
Acq On : 02 Jun 2025 15:05
Operator : RC/JU
Sample : Q2134-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

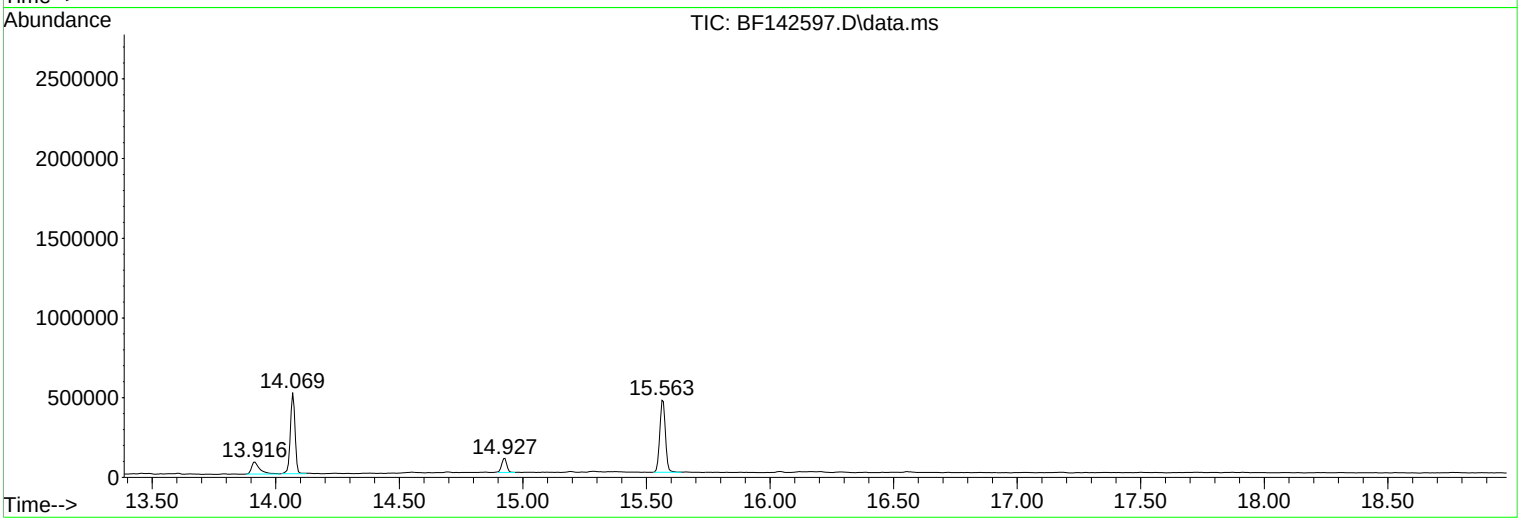
Instrument :
BNA_F
ClientSampleId :
MW10

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

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







Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142597.D
Acq On : 02 Jun 2025 15:05
Operator : RC/JU
Sample : Q2134-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW10

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

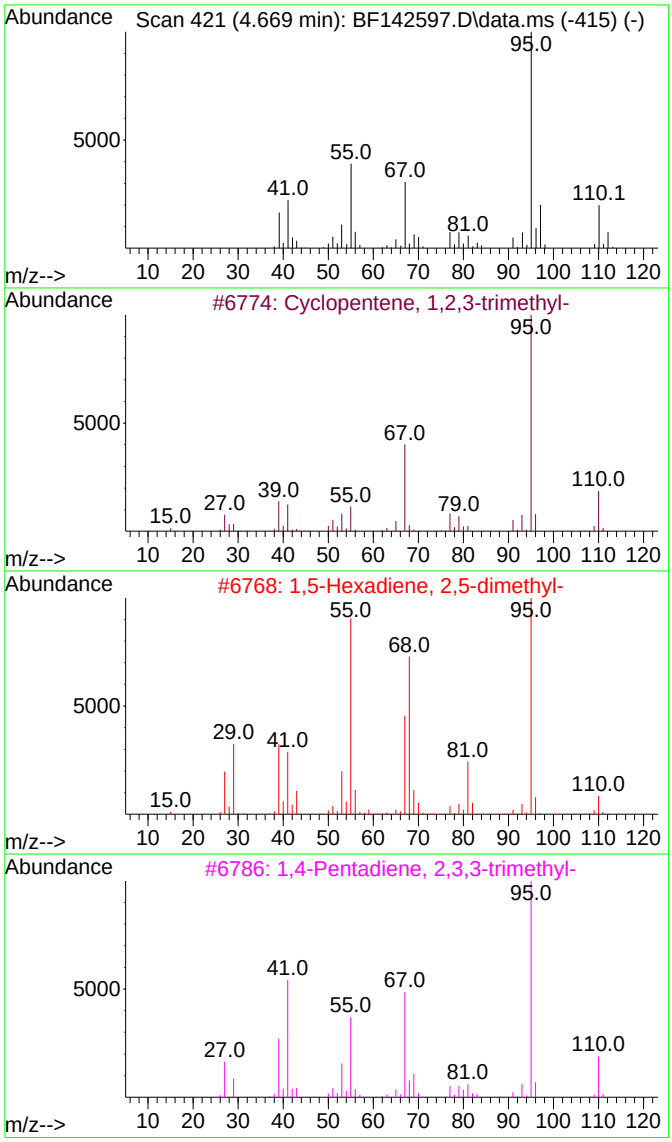
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

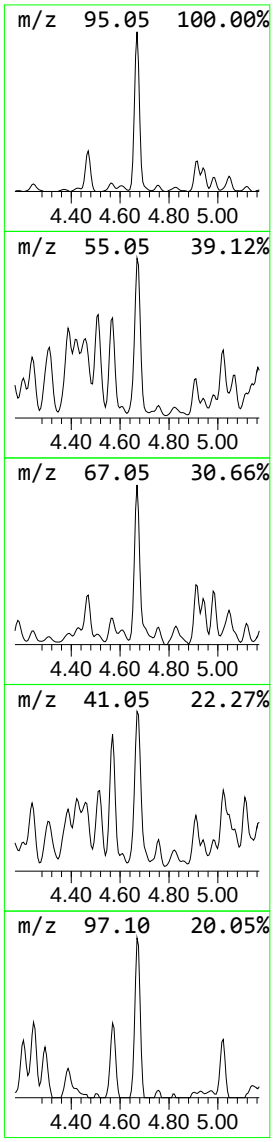
****

Peak Number 1 Cyclopentene, 1,2,3-trimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.669	7.29 ng	259104	1,4-Dichlorobenzene-d4	6.898

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 1,2,3-trimethyl-	110	C8H14	000473-91-6	93
2	1,5-Hexadiene, 2,5-dimethyl-	110	C8H14	000627-58-7	64
3	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	64
4	1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	62
5	Bicyclo[3.1.0]hexane, 1,5-dimethyl-	110	C8H14	1010142-17-5	62





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Acq On : 02 Jun 2025 15:05
Operator : RC/JU
Sample : Q2134-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW10

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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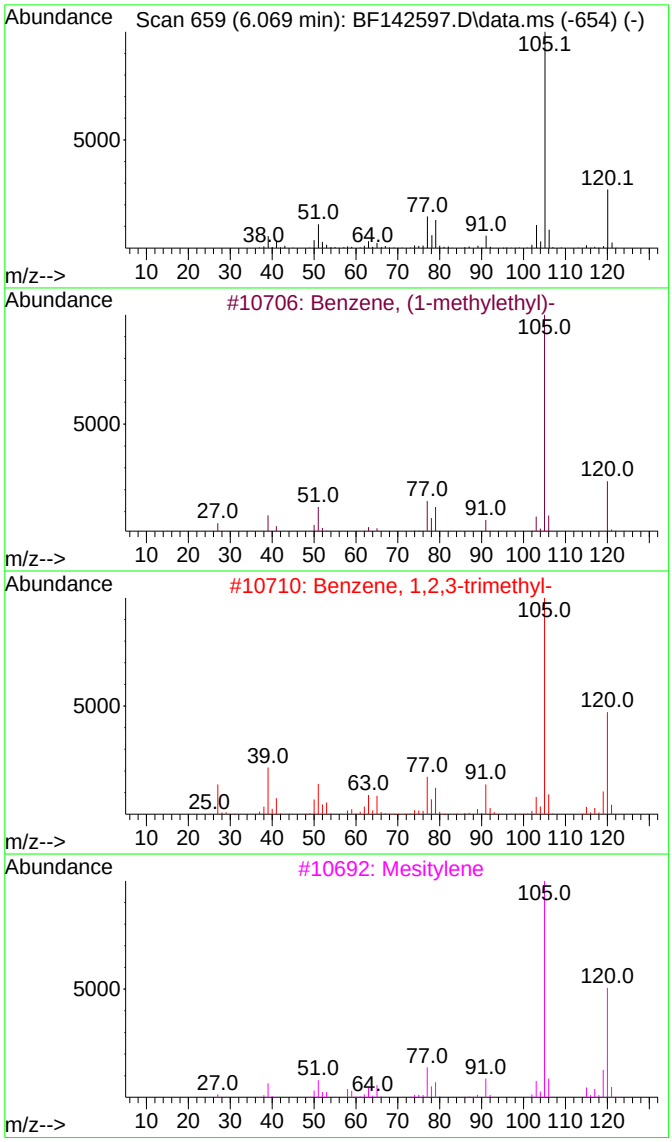
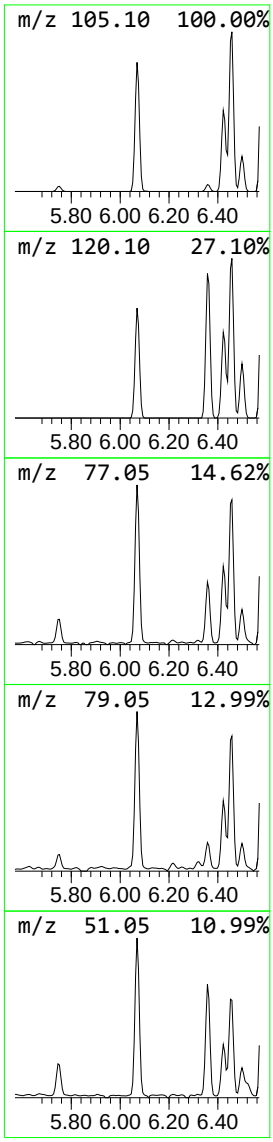
Peak Number 3 Benzene, (1-methylethyl)- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.069	11.50 ng	408555	1,4-Dichlorobenzene-d4	6.898

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	95
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
3	Mesitylene	120	C9H12	000108-67-8	87
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	80
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	80





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Operator : RC/JU
Sample : Q2134-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW10

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

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

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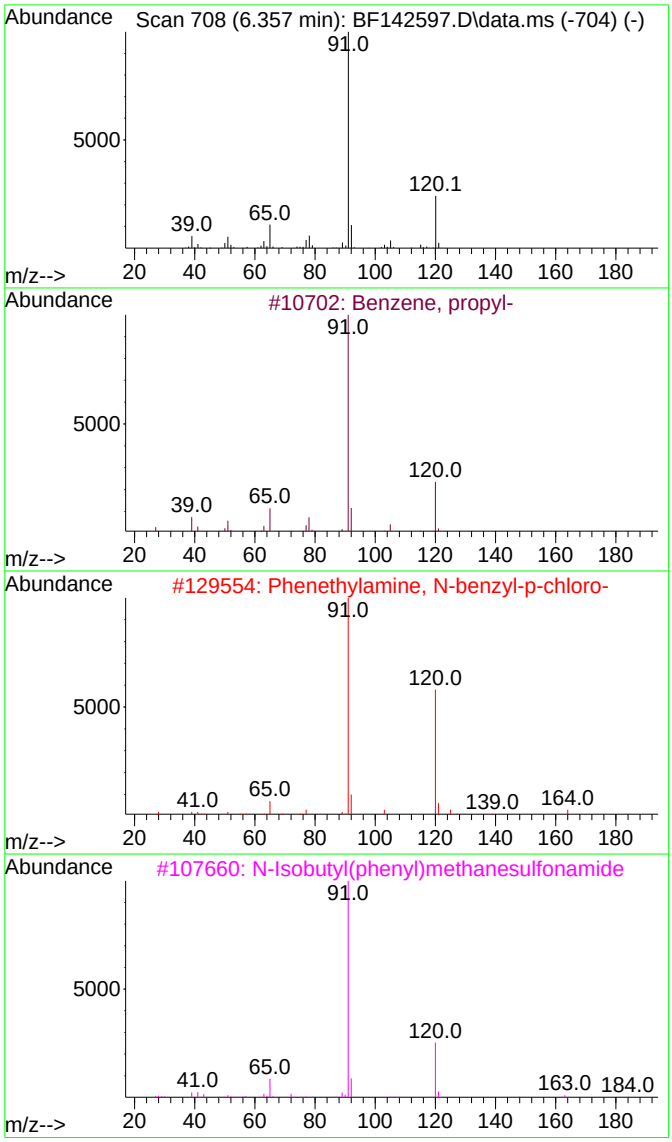
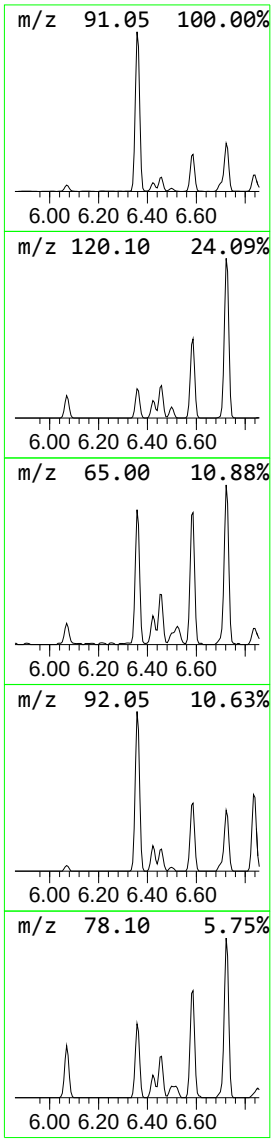
Peak Number 4 Phenethylamine, N-benzyl-p-... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.357	13.60 ng	483222	1,4-Dichlorobenzene-d4	6.898

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	94
2	Phenethylamine, N-benzyl-p-chloro-	245	C15H16ClN	013622-43-0	72
3	N-Isobutyl(phenyl)methanesulfona...	227	C11H17NO2S	144615-94-1	72
4	1,2-Ethanediamine, N,N'-bis(phen...	240	C16H20N2	000140-28-3	64
5	Benzeneacetaldehyde	120	C8H8O	000122-78-1	53





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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW10

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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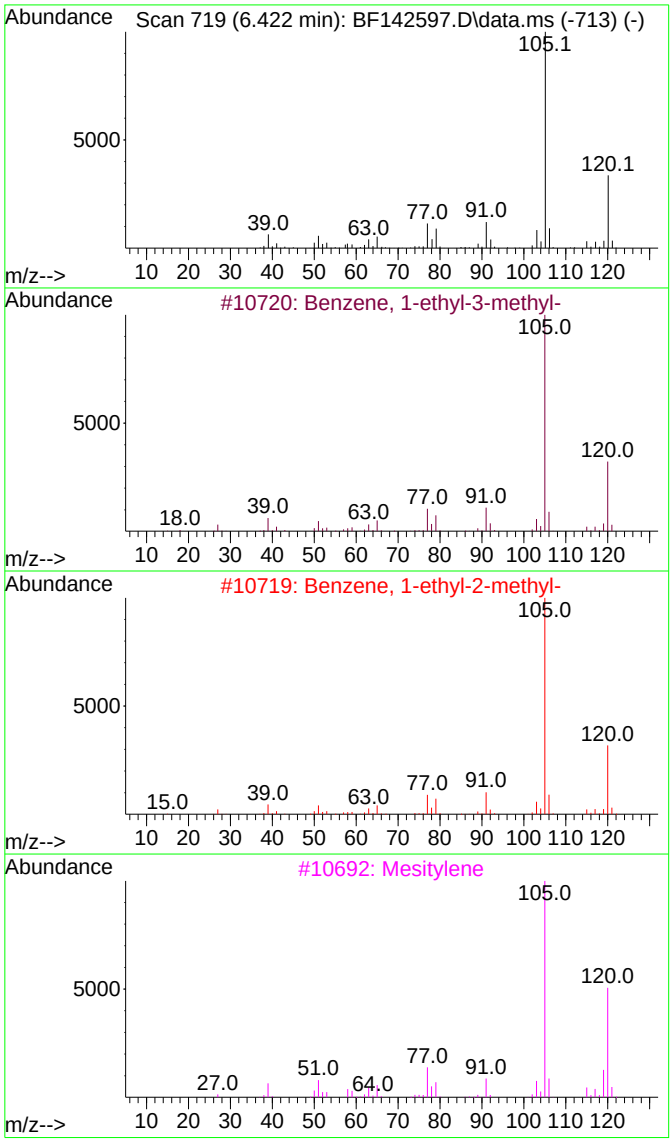
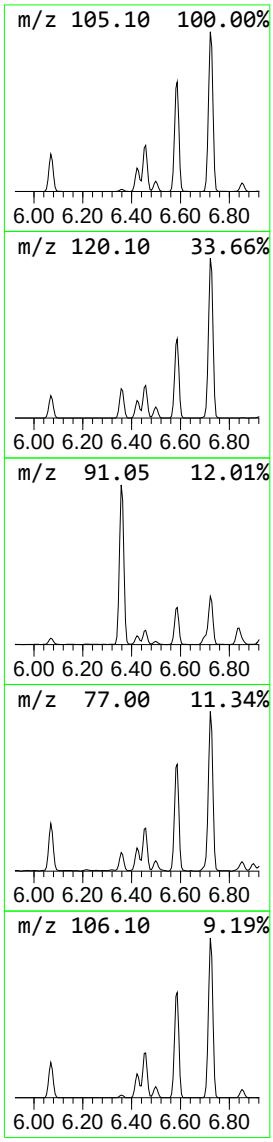
Peak Number 5 Benzene, 1-ethyl-3-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.422	8.48 ng	301177	1,4-Dichlorobenzene-d4	6.898

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	97
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3	Mesitylene	120	C9H12	000108-67-8	91
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





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Operator : RC/JU
Sample : Q2134-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW10

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

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

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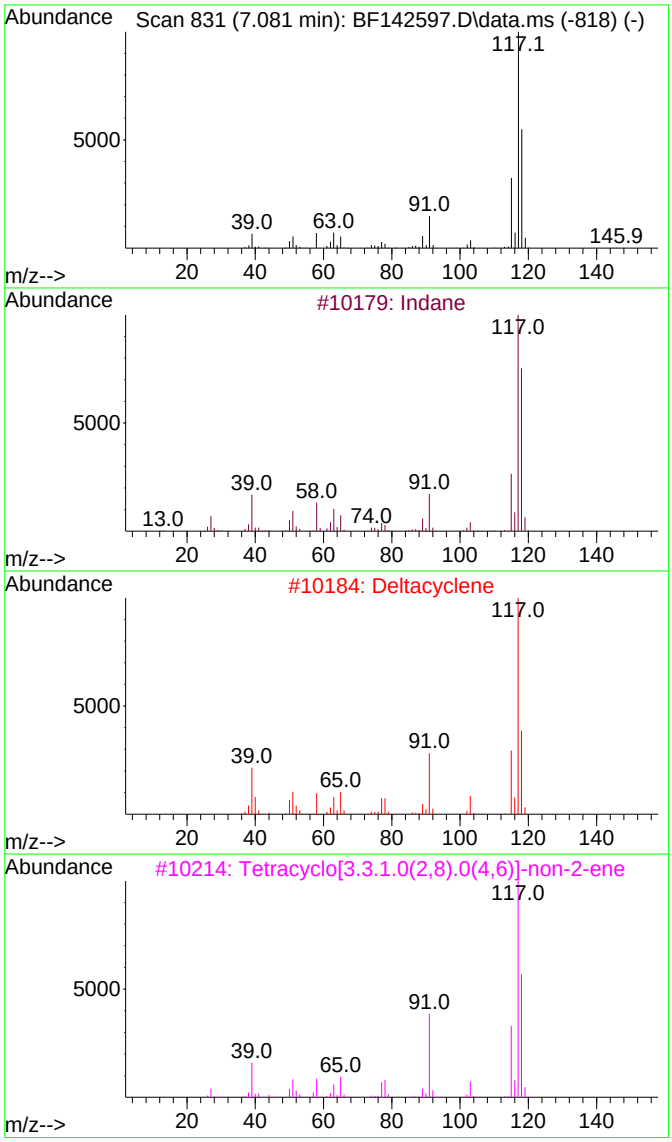
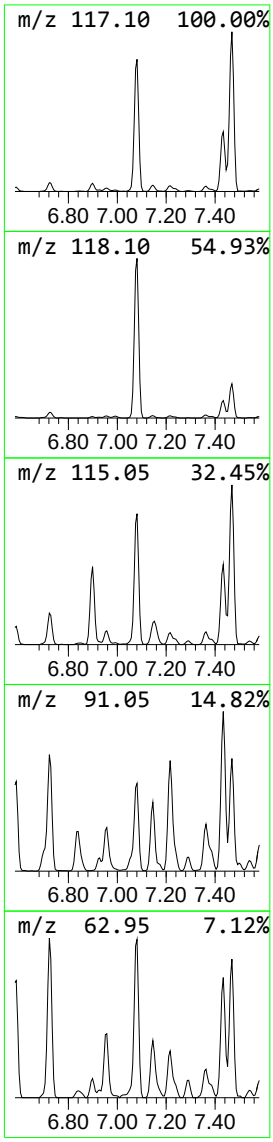
Peak Number 10 Indane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.081	34.20 ng	1214830	1,4-Dichlorobenzene-d4	6.898

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	91
2	Deltacyclene	118	C9H10	007785-10-6	72
3	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	64
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	64
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	64





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Misc :
ALS Vial : 9 Sample Multiplier: 1

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

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

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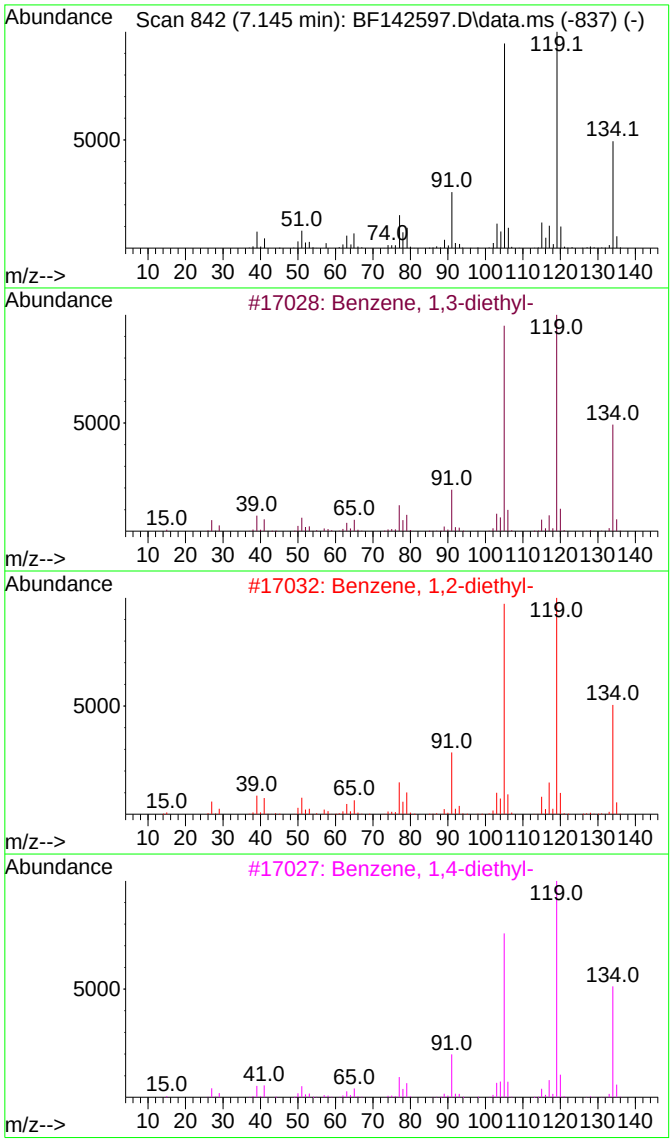
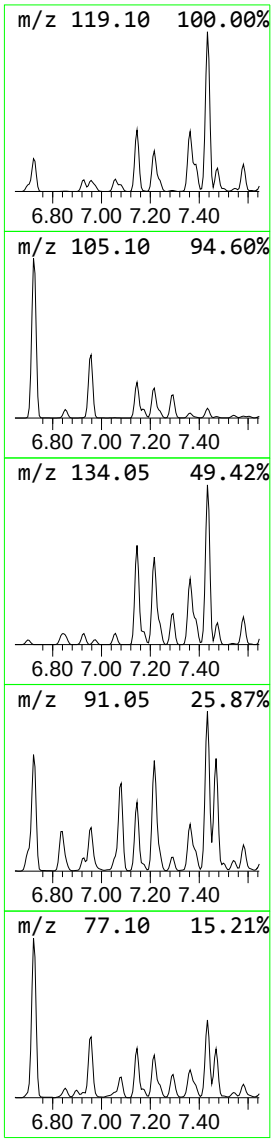
Peak Number 11 Benzene, 1,3-diethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.145	23.04 ng	818542	1,4-Dichlorobenzene-d4	6.898

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	97
2	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
3	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	94
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	87





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Sample : Q2134-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW10

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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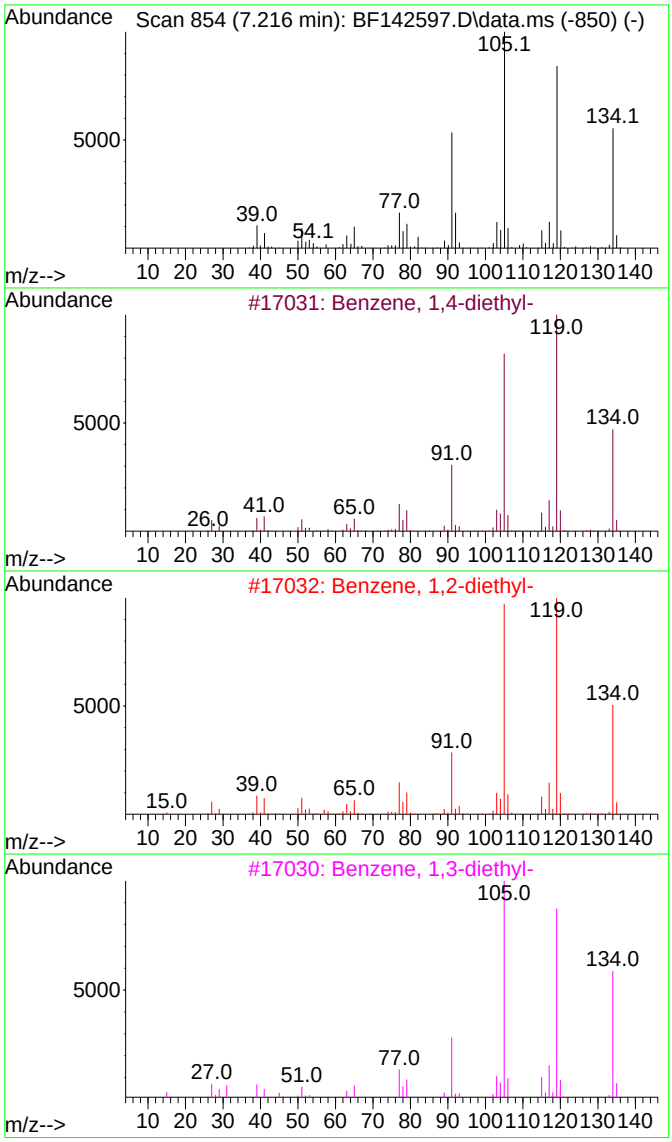
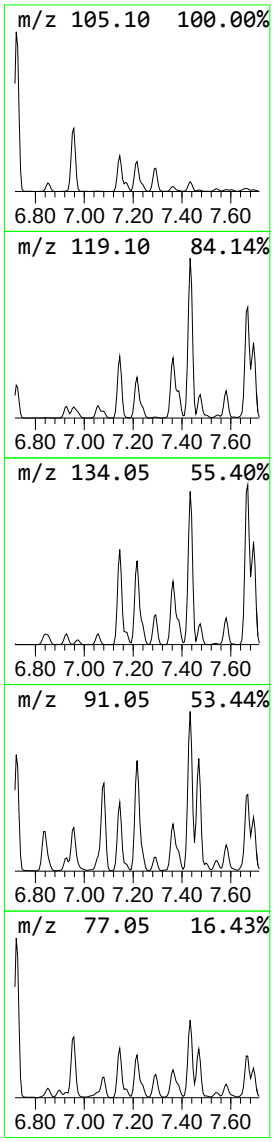
Peak Number 12 Benzene, 1,4-diethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.216	23.21 ng	824428	1,4-Dichlorobenzene-d4	6.898

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	97
2	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
3	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	95
4	2,6-Dimethyl-1,3,5,7-octatetraen...	134	C10H14	000460-01-5	90
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	87





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Sample : Q2134-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

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

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

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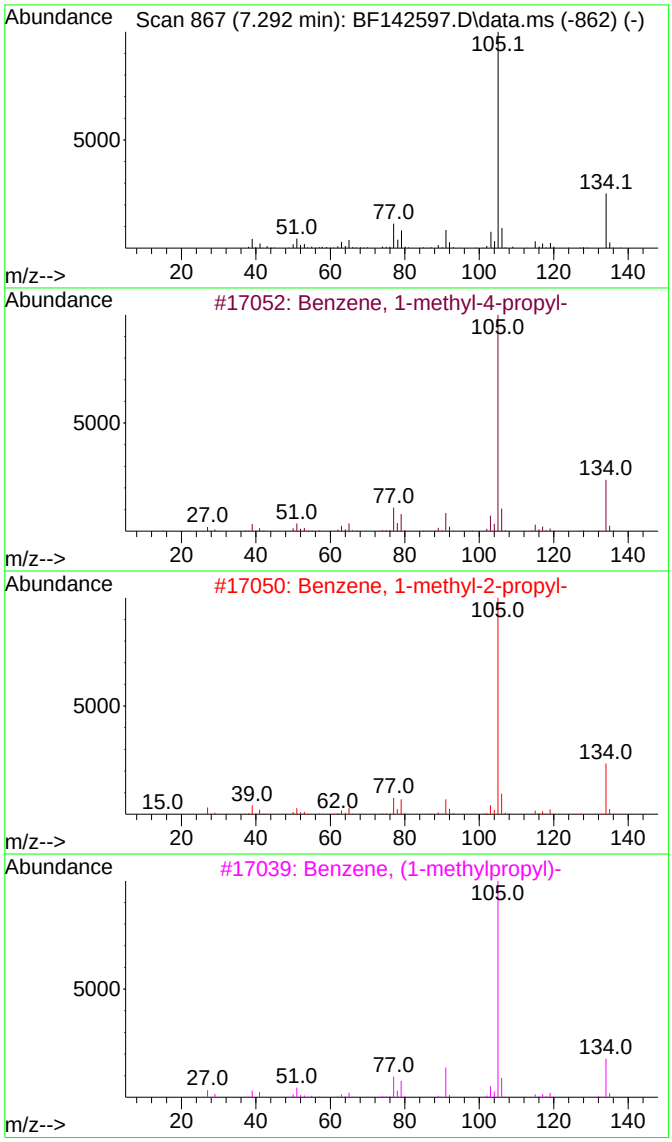
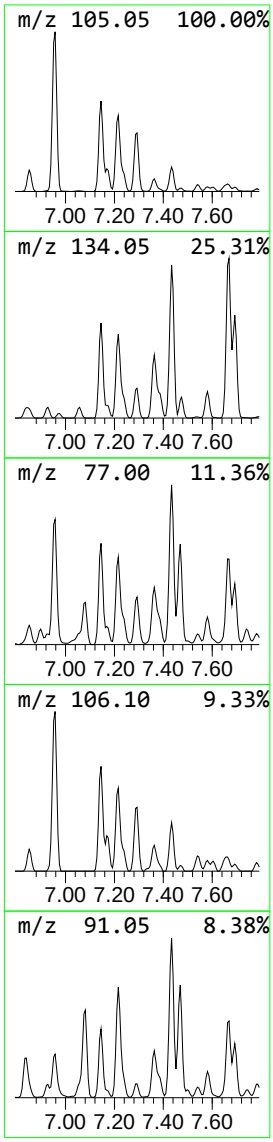
Peak Number 13 Benzene, 1-methyl-4-propyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.292	6.95 ng	246809	1,4-Dichlorobenzene-d4	6.898

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	95
2	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	94
3	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	91
4	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	90
5	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	86





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Sample : Q2134-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW10

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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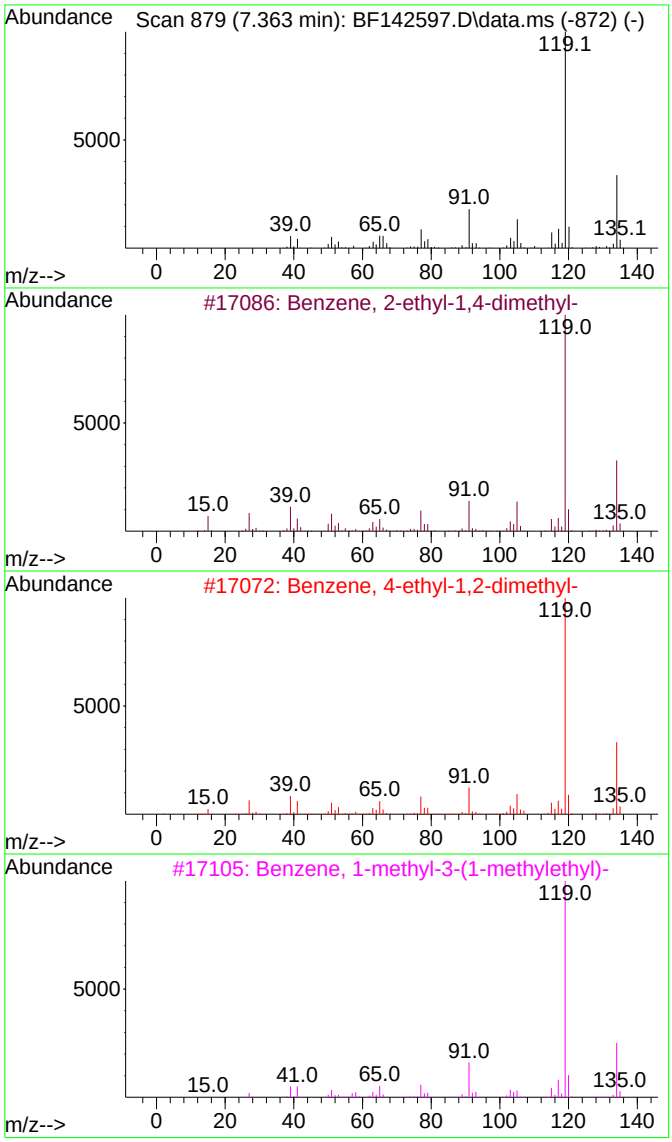
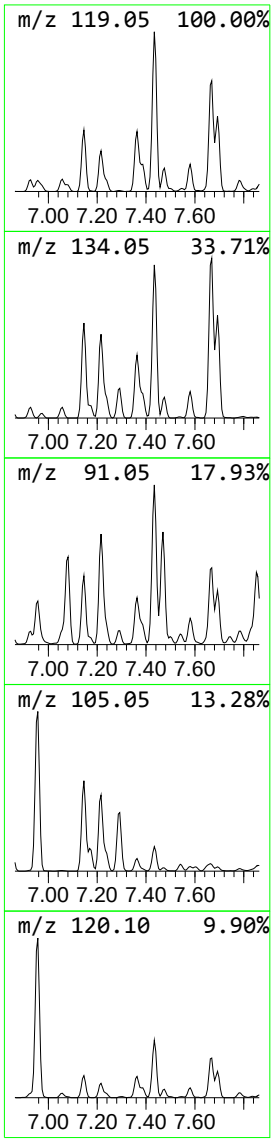
Peak Number 14 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.363	20.04 ng	711973	1,4-Dichlorobenzene-d4	6.898

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	97
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
4	o-Cymene	134	C10H14	000527-84-4	95
5	p-Cymene	134	C10H14	000099-87-6	94





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Sample : Q2134-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW10

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

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

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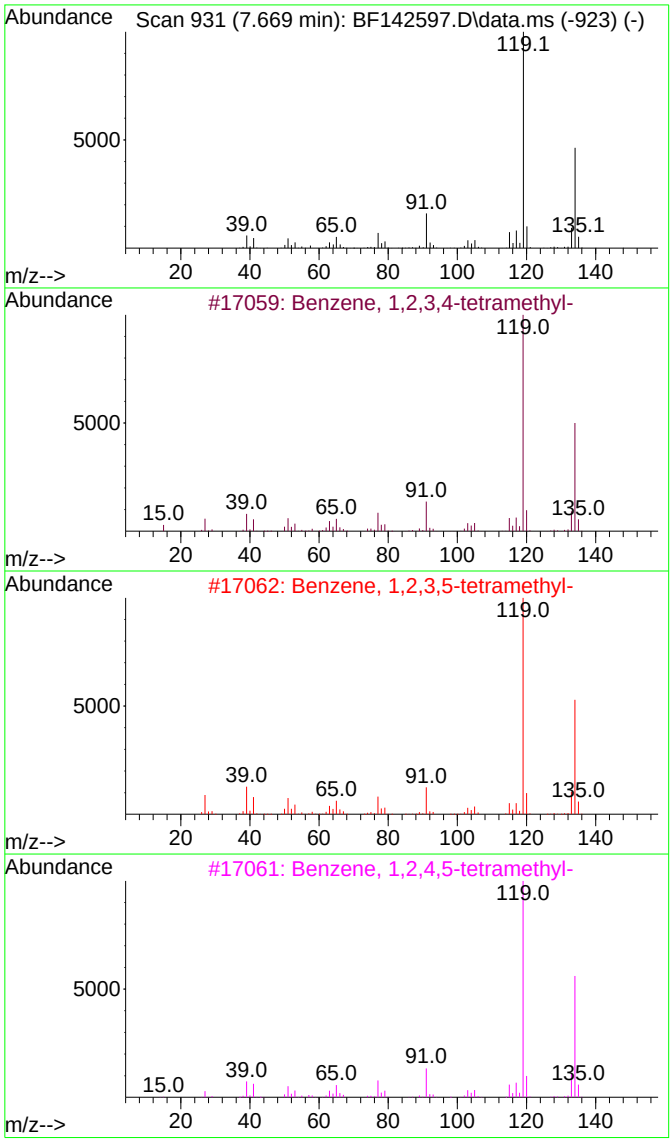
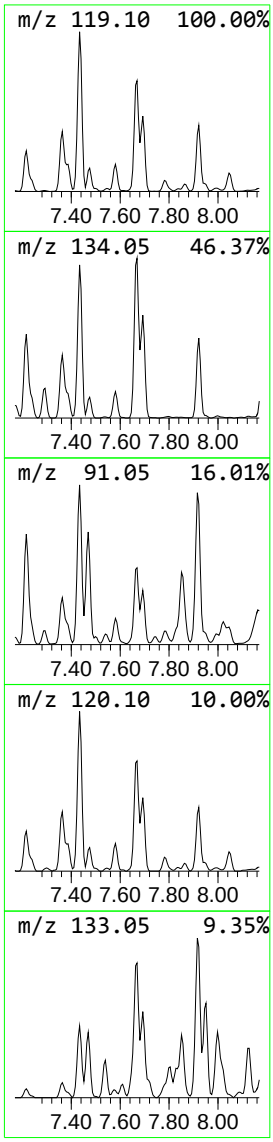
Peak Number 15 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.669	7.93 ng	937487	Naphthalene-d8	8.181

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	97
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91





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ALS Vial : 9 Sample Multiplier: 1

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BNA_F
ClientSampleId :
MW10

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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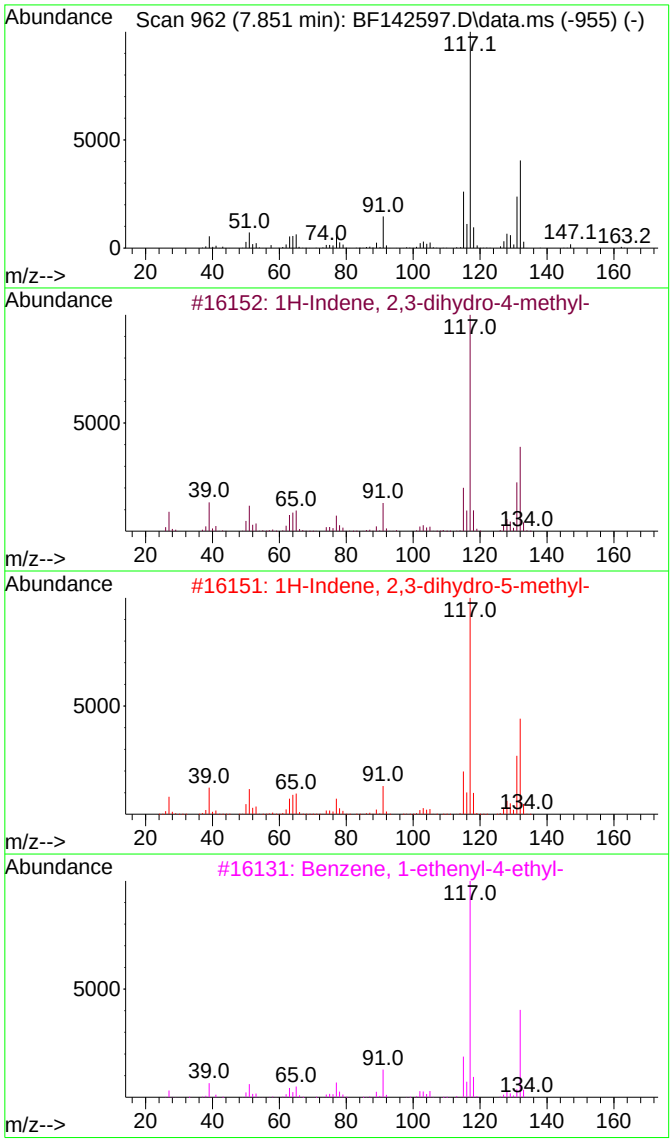
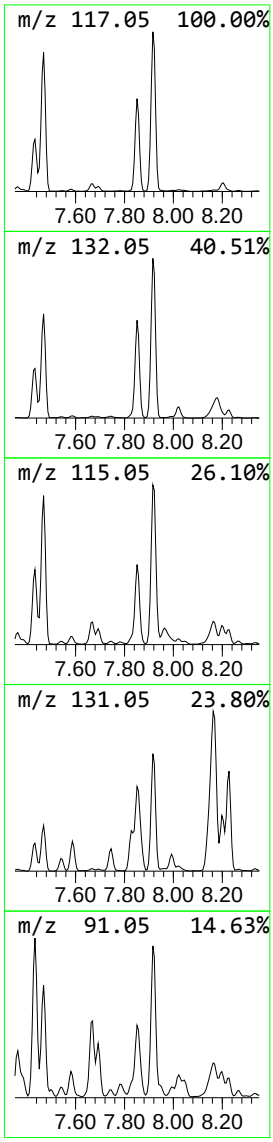
Peak Number 16 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.851	9.86 ng	1166070	Naphthalene-d8	8.181

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	94
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	92
3	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	81
4	1-Phenyl-1-butene	132	C10H12	000824-90-8	80
5	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	72





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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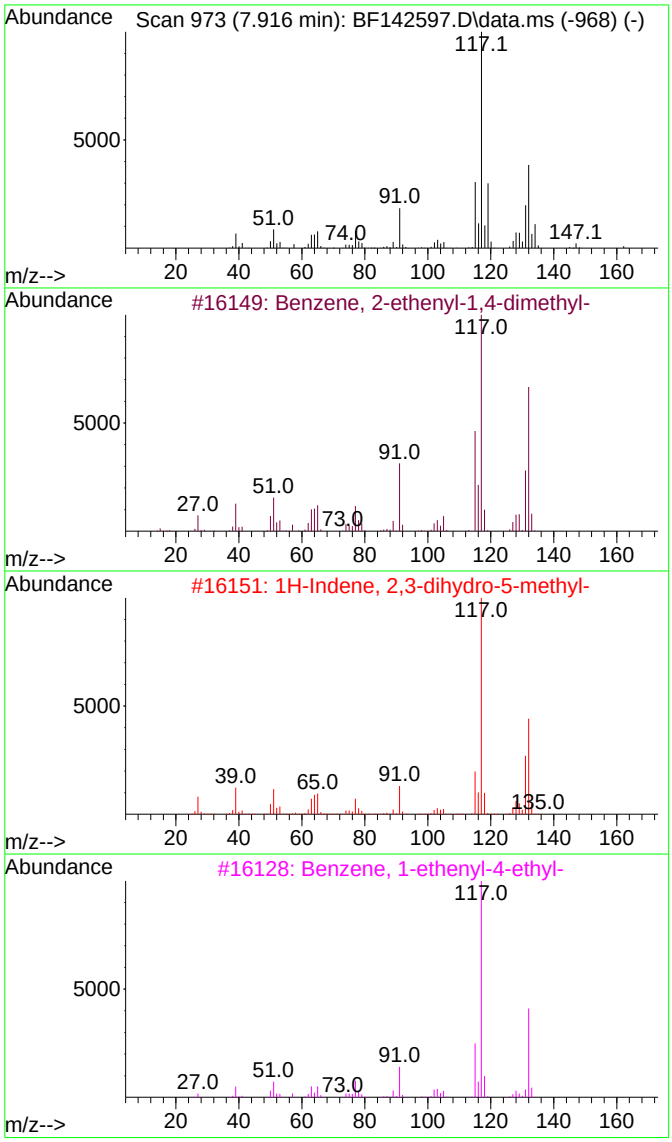
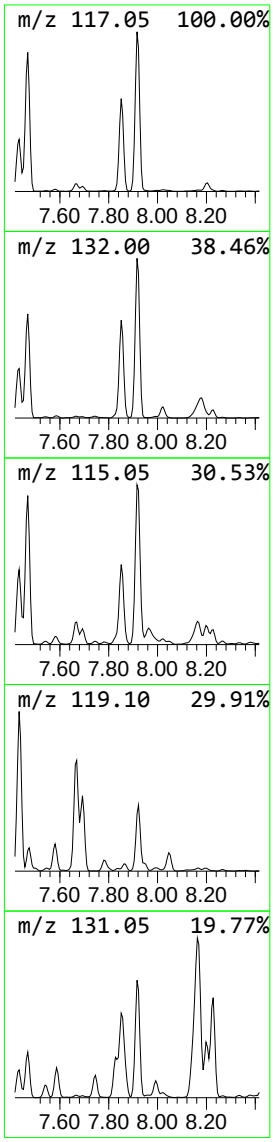
Peak Number 17 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.916	18.94 ng	2239970	Naphthalene-d8	8.181

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	96
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	94
3	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	89
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	87
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142597.D
Acq On : 02 Jun 2025 15:05
Operator : RC/JU
Sample : Q2134-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW10

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

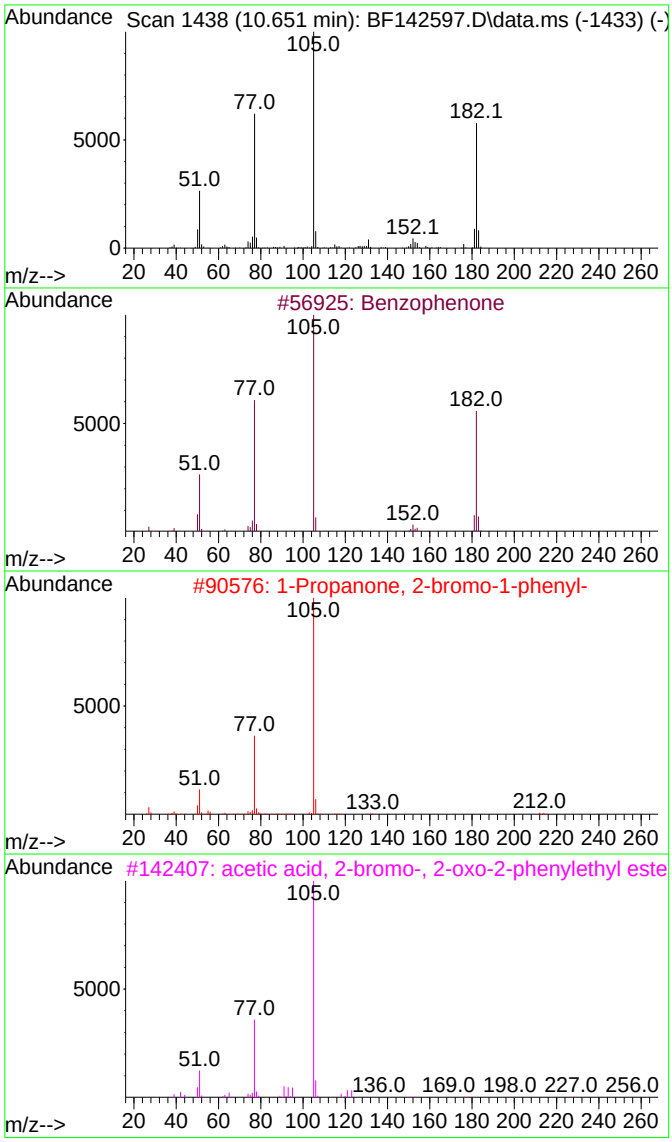
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

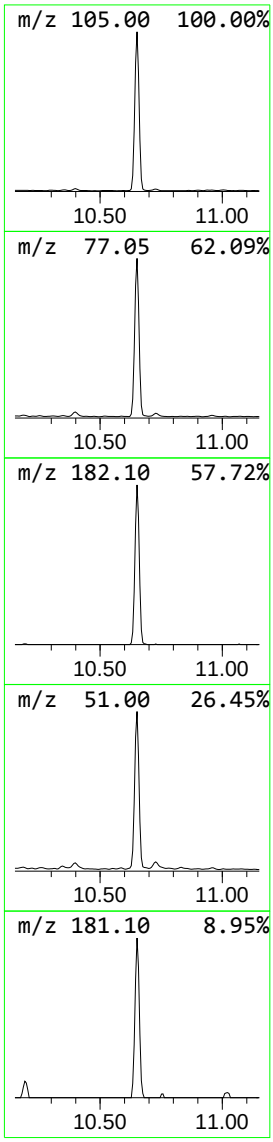
****

Peak Number 18 Benzophenone Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.651	6.63 ng	331528	Acenaphthene-d10	9.939

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	1-Propanone, 2-bromo-1-phenyl-	212	C9H9BrO	002114-00-3	47
3	acetic acid, 2-bromo-, 2-oxo-2-p...	256	C10H9BrO3	1000401-50-0	47
4	Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	47
5	N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142597.D
Acq On : 02 Jun 2025 15:05
Operator : RC/JU
Sample : Q2134-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW10

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

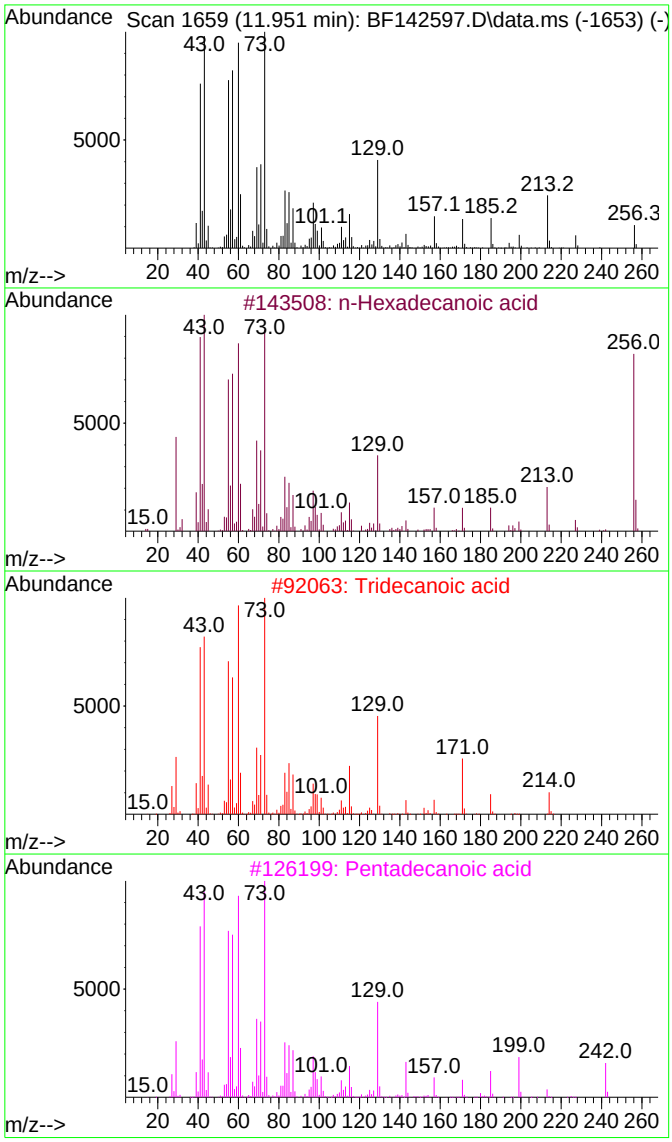
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

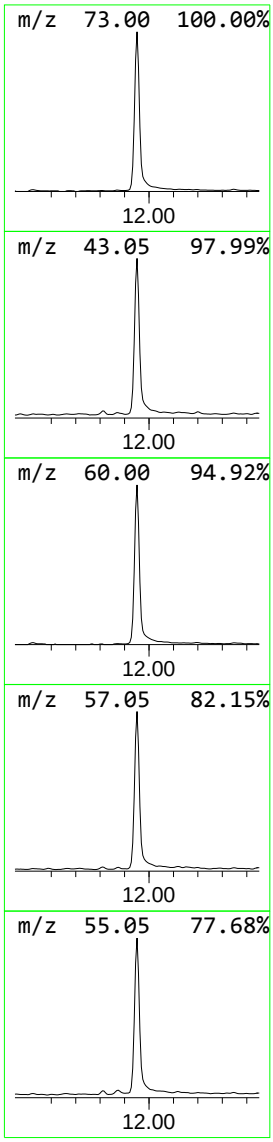
****

Peak Number 19 n-Hexadecanoic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.951	21.30 ng	940205	Phenanthrene-d10	11.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Tridecanoic acid	214	C13H26O2	000638-53-9	93
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	91
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	83
5	n-Decanoic acid	172	C10H20O2	000334-48-5	70





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142597.D
Acq On : 02 Jun 2025 15:05
Operator : RC/JU
Sample : Q2134-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW10

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

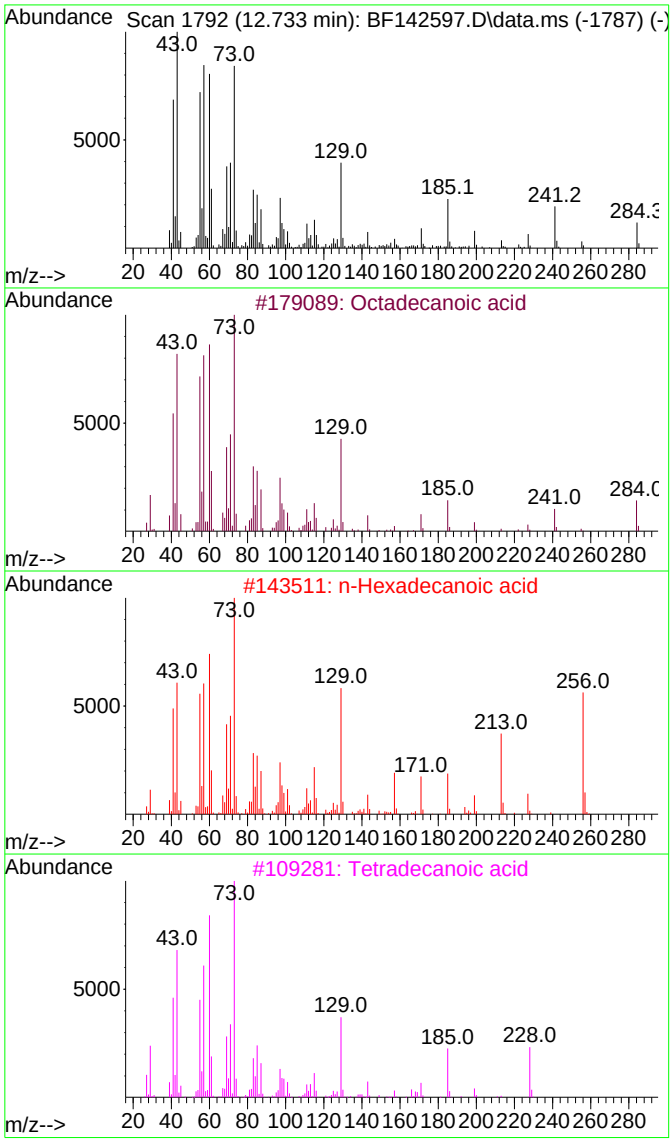
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

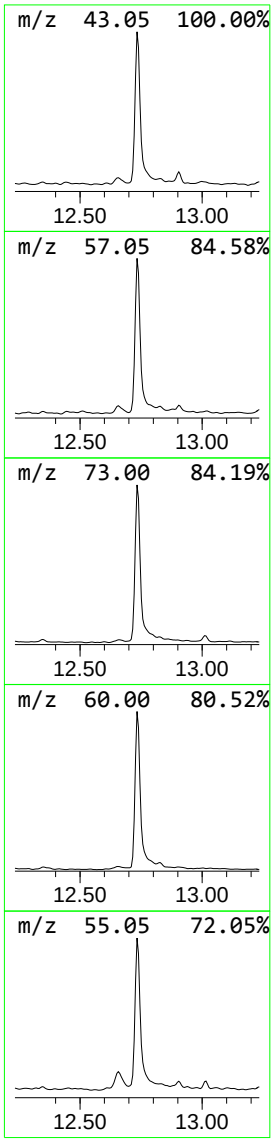
****

Peak Number 20 Octadecanoic acid Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.733	10.70 ng	472248	Phenanthrene-d10	11.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	90
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	74
4	n-Decanoic acid	172	C10H20O2	000334-48-5	64
5	Undecanoic acid	186	C11H22O2	000112-37-8	52





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142597.D
Acq On : 02 Jun 2025 15:05
Operator : RC/JU
Sample : Q2134-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW10

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

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Cyclopentene, 1...	4.669	7.3	ng	259104	1	6.898	710479	20.0
Benzene, (1-met...	6.069	11.5	ng	408555	1	6.898	710479	20.0
Phenethylamine,...	6.357	13.6	ng	483222	1	6.898	710479	20.0
Benzene, 1-ethy...	6.422	8.5	ng	301177	1	6.898	710479	20.0
Indane	7.081	34.2	ng	1214830	1	6.898	710479	20.0
Benzene, 1,3-di...	7.145	23.0	ng	818542	1	6.898	710479	20.0
Benzene, 1,4-di...	7.216	23.2	ng	824428	1	6.898	710479	20.0
Benzene, 1-meth...	7.292	7.0	ng	246809	1	6.898	710479	20.0
Benzene, 2-ethy...	7.363	20.0	ng	711973	1	6.898	710479	20.0
Benzene, 1,2,3,...	7.669	7.9	ng	937487	2	8.181	2365660	20.0
1H-Indene, 2,3-...	7.851	9.9	ng	1166070	2	8.181	2365660	20.0
Benzene, 2-ethe...	7.916	18.9	ng	2239970	2	8.181	2365660	20.0
Benzophenone	10.651	6.6	ng	331528	3	9.939	1000520	20.0
n-Hexadecanoic ...	11.951	21.3	ng	940205	4	11.428	882841	20.0
Octadecanoic acid	12.733	10.7	ng	472248	4	11.428	882841	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142594.D
Acq On : 02 Jun 2025 13:26
Operator : RC/JU
Sample : PB168235BL
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168235BL

Quant Time: Jun 02 14:02:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

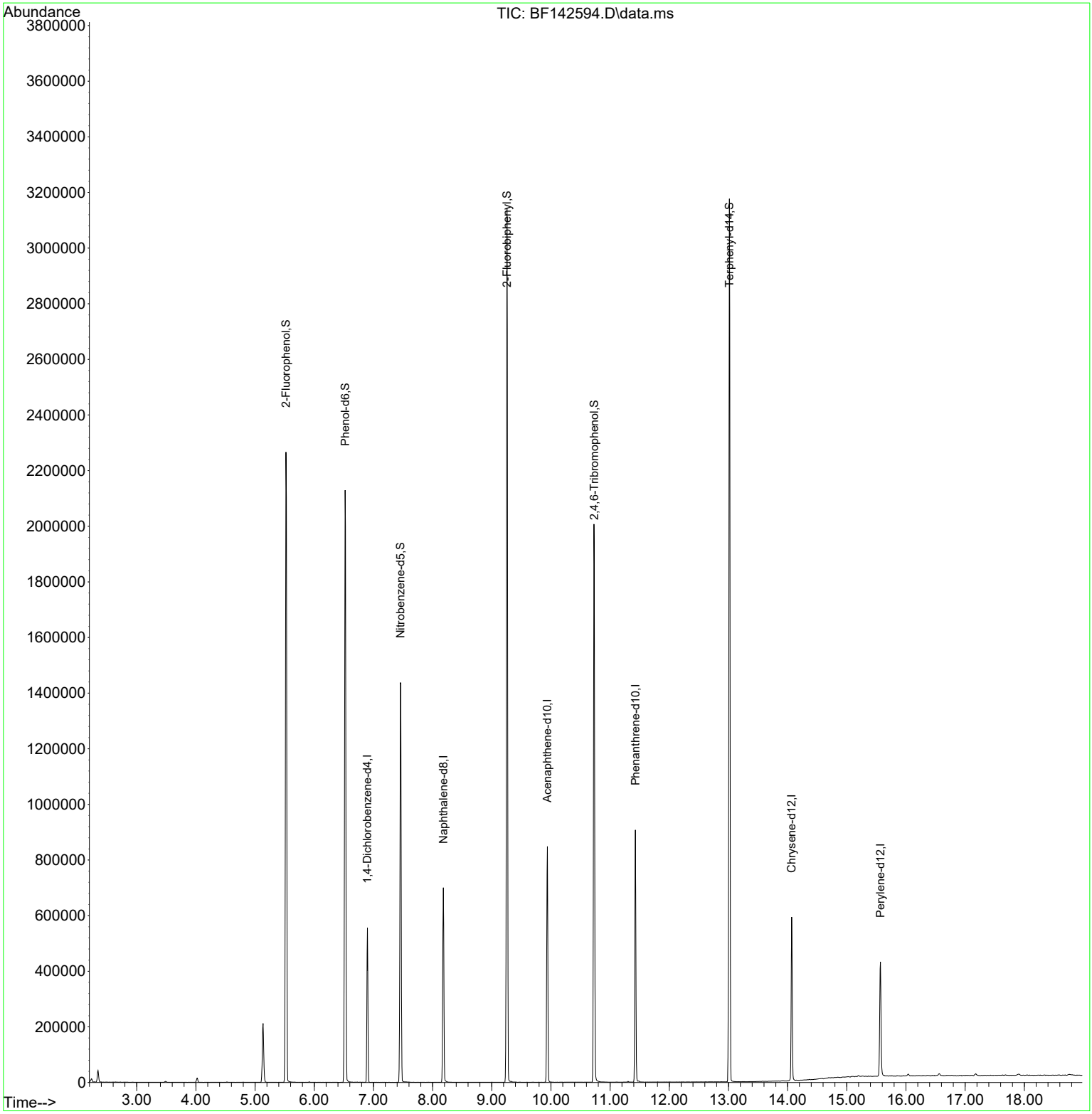
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	120624	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	466268	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	259648	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	474960	20.000	ng	0.00
76) Chrysene-d12	14.068	240	286956	20.000	ng	0.00
86) Perylene-d12	15.568	264	248222	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	929341	129.801	ng	0.00
7) Phenol-d6	6.522	99	1116479	129.543	ng	-0.01
23) Nitrobenzene-d5	7.457	82	685175	80.129	ng	-0.02
42) 2,4,6-Tribromophenol	10.733	330	386355	134.069	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	1475412	76.249	ng	-0.01
79) Terphenyl-d14	13.016	244	1618331	77.068	ng	0.00
Target Compounds						Qvalue

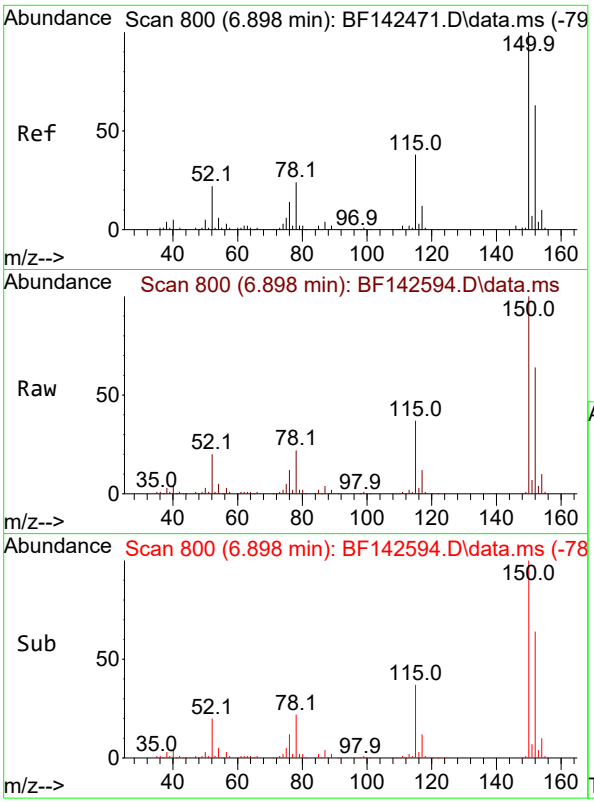
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142594.D
Acq On : 02 Jun 2025 13:26
Operator : RC/JU
Sample : PB168235BL
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168235BL

Quant Time: Jun 02 14:02:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration



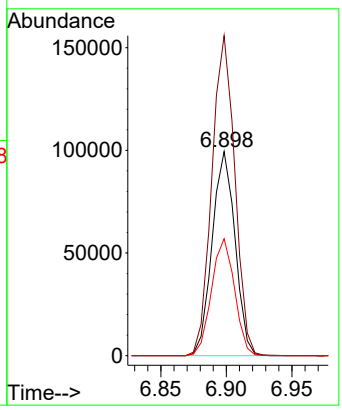


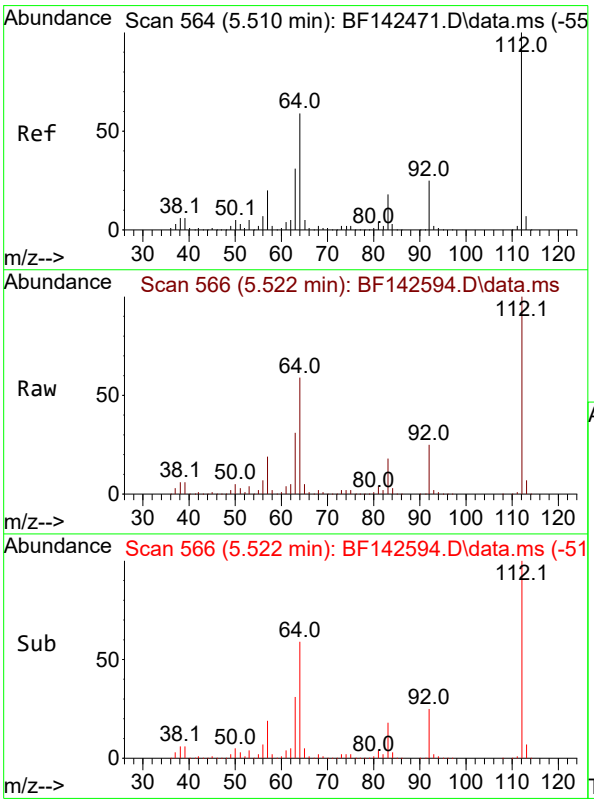
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142594.D
Acq: 02 Jun 2025 13:26

Instrument :
BNA_F
ClientSampleId :
PB168235BL

Tgt Ion:152 Resp: 120624

Ion	Ratio	Lower	Upper
152	100		
150	156.7	128.2	192.4
115	57.3	48.3	72.5

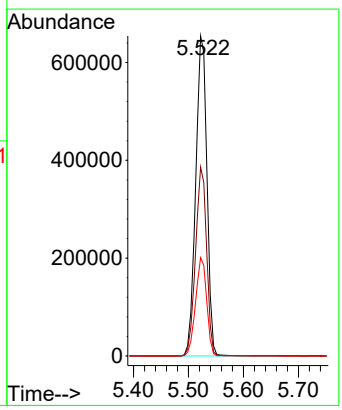


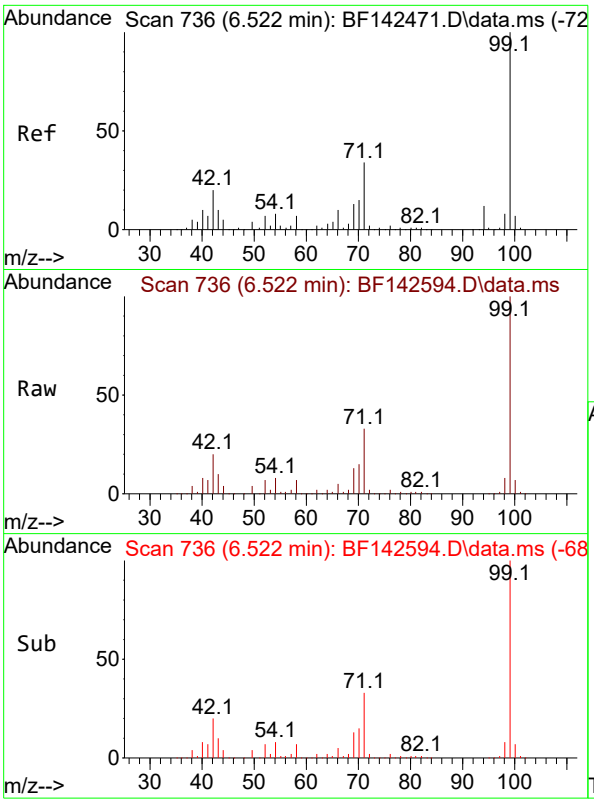


#5
2-Fluorophenol
Concen: 129.801 ng
RT: 5.522 min Scan# 566
Delta R.T. 0.006 min
Lab File: BF142594.D
Acq: 02 Jun 2025 13:26

Tgt Ion:112 Resp: 929341

Ion	Ratio	Lower	Upper
112	100		
64	59.0	47.5	71.3
63	30.7	24.9	37.3



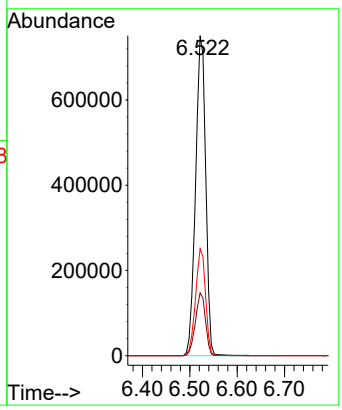


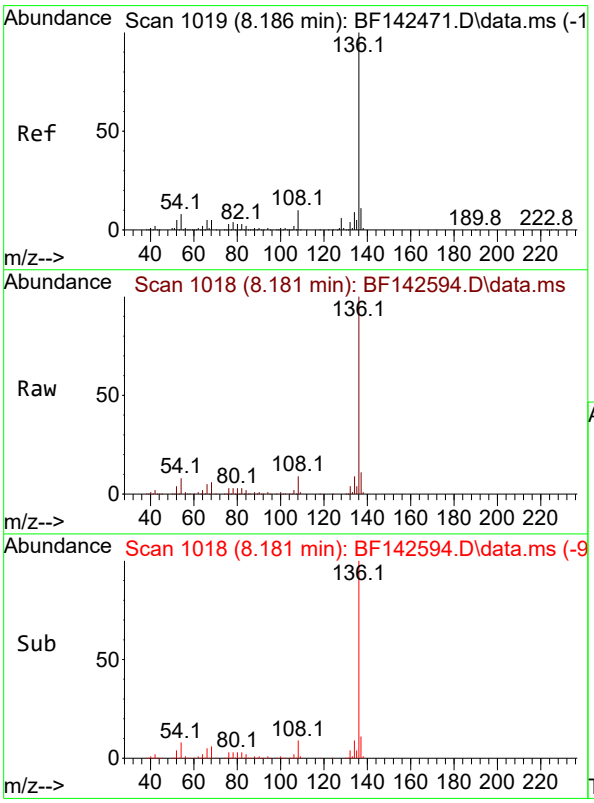
#7
Phenol-d6
Concen: 129.543 ng
RT: 6.522 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF142594.D
Acq: 02 Jun 2025 13:26

Instrument :
BNA_F
ClientSampleId :
PB168235BL

Tgt Ion: 99 Resp: 1116479

Ion	Ratio	Lower	Upper
99	100		
42	19.7	16.2	24.2
71	33.4	27.3	40.9

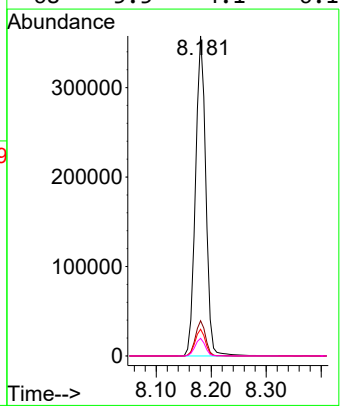


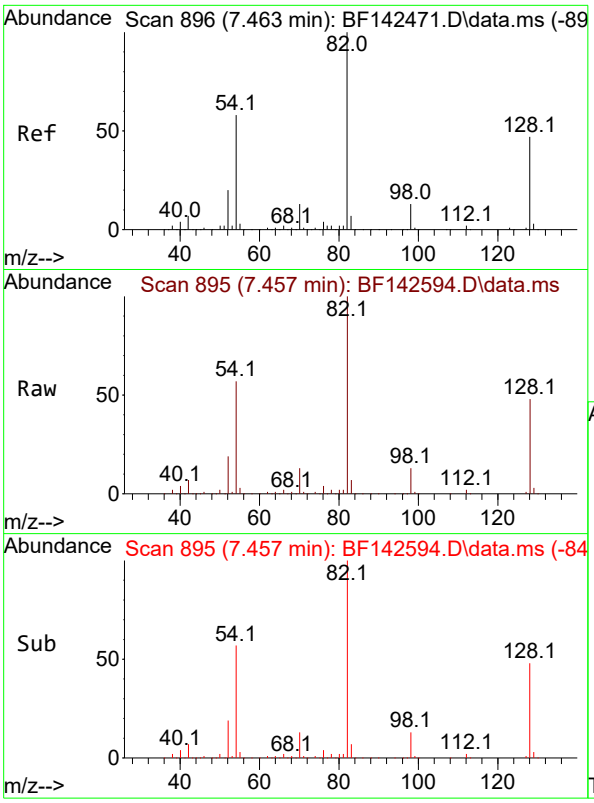


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF142594.D
Acq: 02 Jun 2025 13:26

Tgt Ion:136 Resp: 466268

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	8.3	6.6	10.0
68	5.5	4.1	6.1



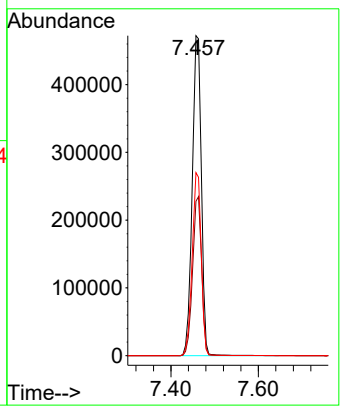


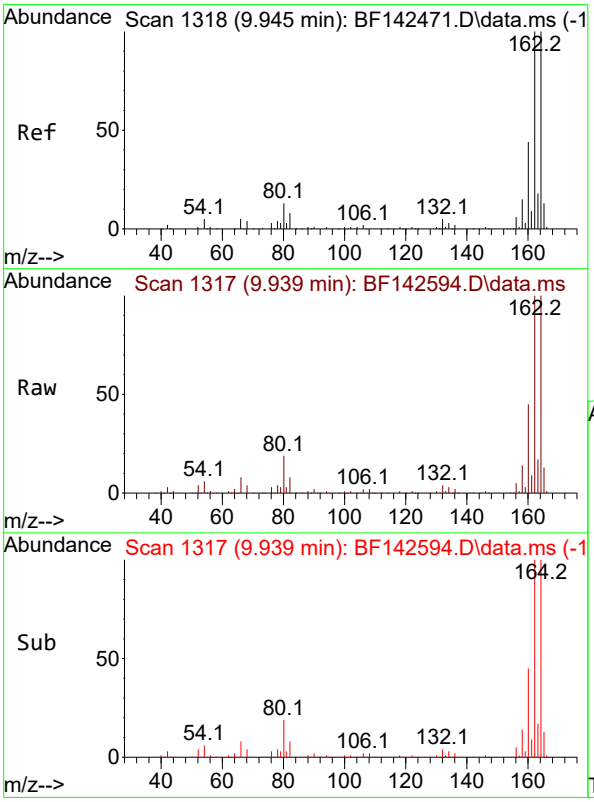
#23
Nitrobenzene-d5
Concen: 80.129 ng
RT: 7.457 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF142594.D
Acq: 02 Jun 2025 13:26

Instrument :
BNA_F
ClientSampleId :
PB168235BL

Tgt Ion: 82 Resp: 685175

Ion	Ratio	Lower	Upper
82	100		
128	48.2	37.4	56.2
54	57.2	46.6	70.0

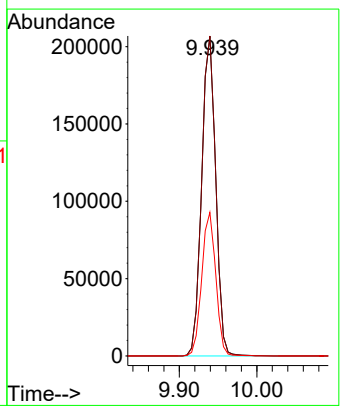


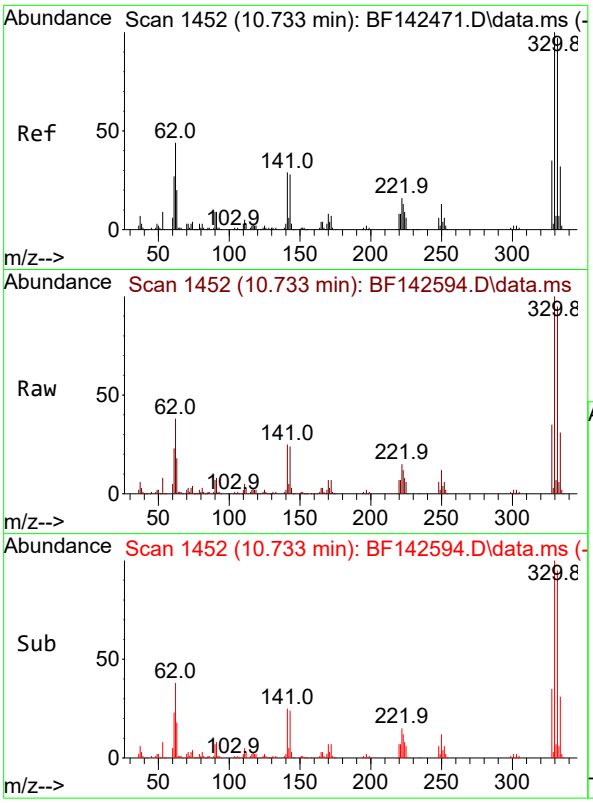


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF142594.D
Acq: 02 Jun 2025 13:26

Tgt Ion:164 Resp: 259648

Ion	Ratio	Lower	Upper
164	100		
162	100.1	80.2	120.4
160	44.9	35.6	53.4



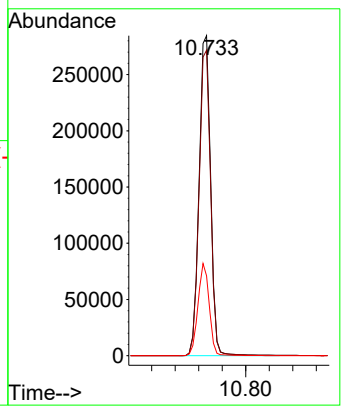


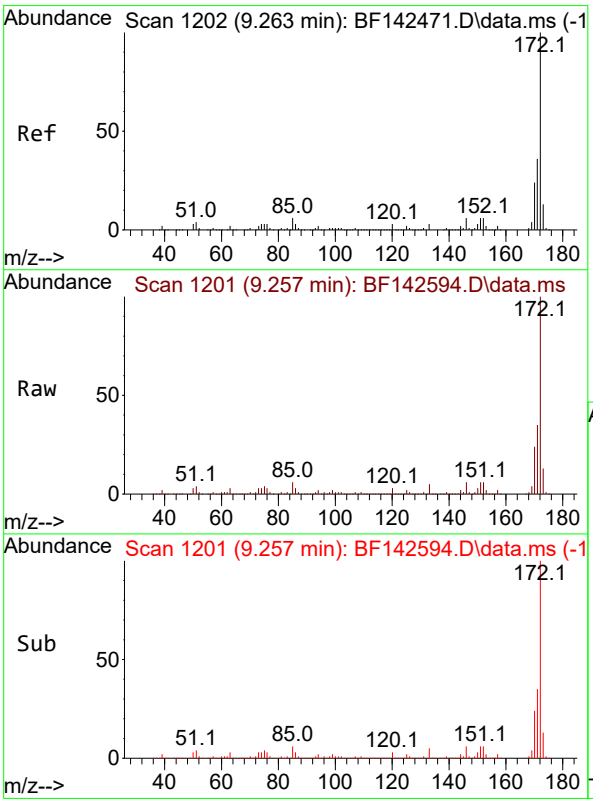
#42
2,4,6-Tribromophenol
Concen: 134.069 ng
RT: 10.733 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142594.D
Acq: 02 Jun 2025 13:26

Instrument :
BNA_F
ClientSampleId :
PB168235BL

Tgt Ion:330 Resp: 386355

Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.6	116.4
141	28.2	24.6	36.8

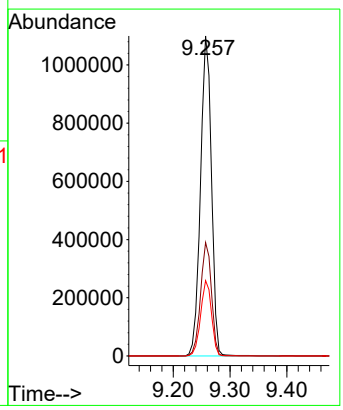


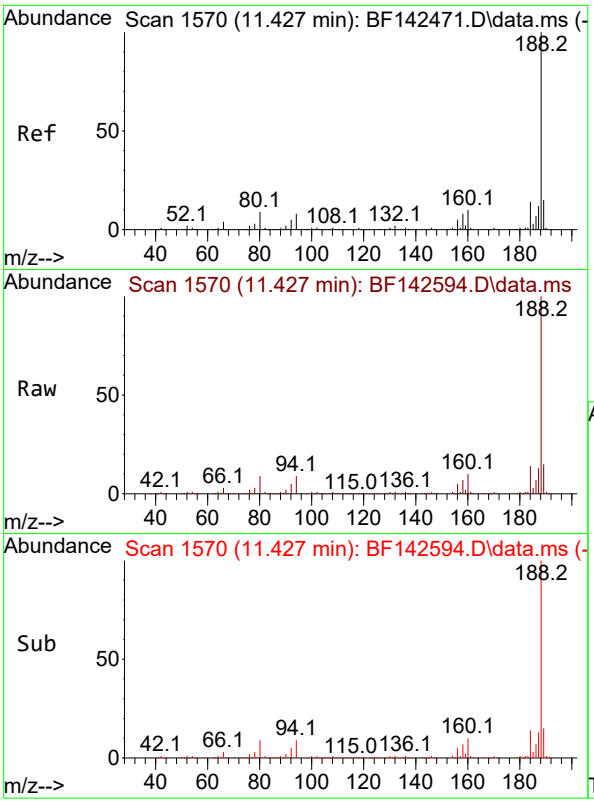


#45
2-Fluorobiphenyl
Concen: 76.249 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF142594.D
Acq: 02 Jun 2025 13:26

Tgt Ion:172 Resp: 1475412

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.6	42.8
170	23.5	18.9	28.3



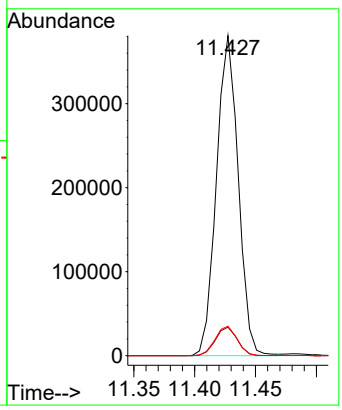


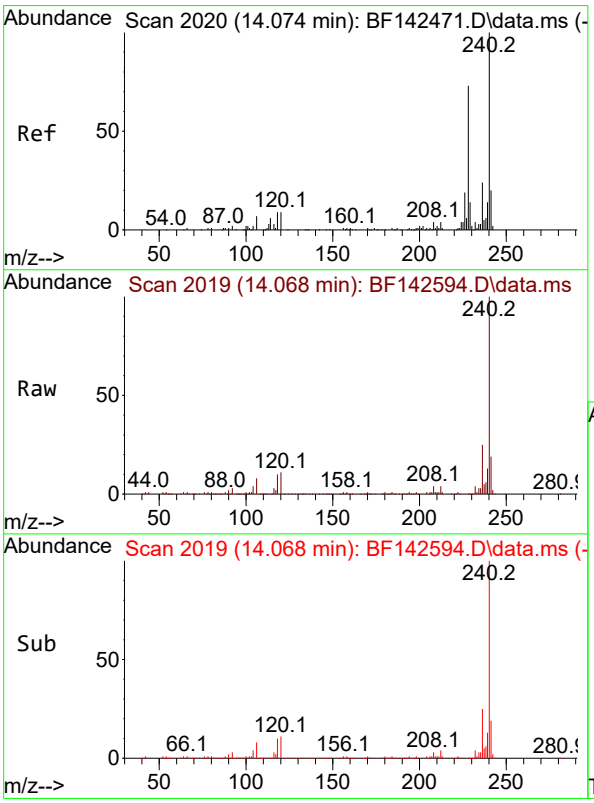
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142594.D
Acq: 02 Jun 2025 13:26

Instrument :
BNA_F
ClientSampleId :
PB168235BL

Tgt Ion:188 Resp: 474960

Ion	Ratio	Lower	Upper
188	100		
94	8.9	6.6	10.0
80	9.2	7.4	11.0

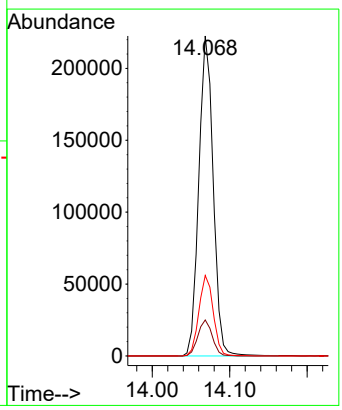


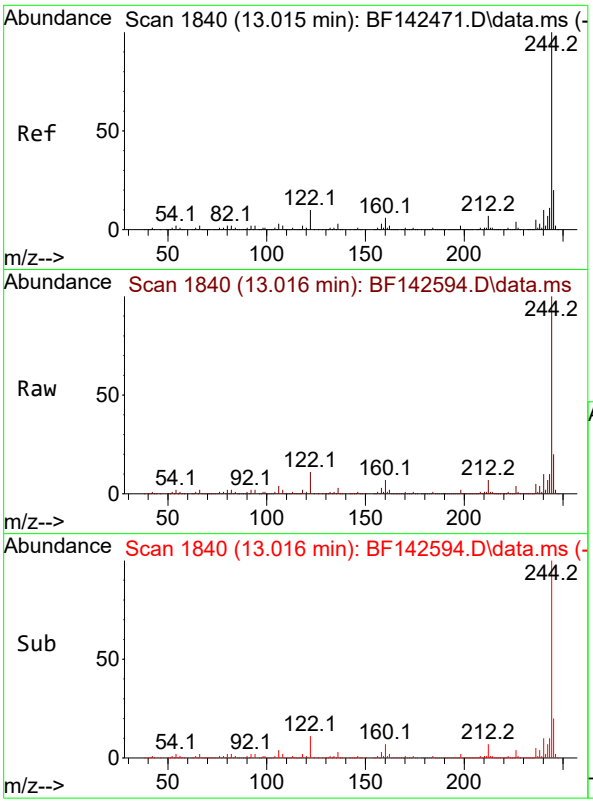


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF142594.D
Acq: 02 Jun 2025 13:26

Tgt Ion:240 Resp: 286956

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



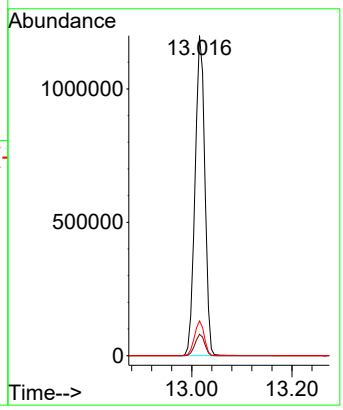


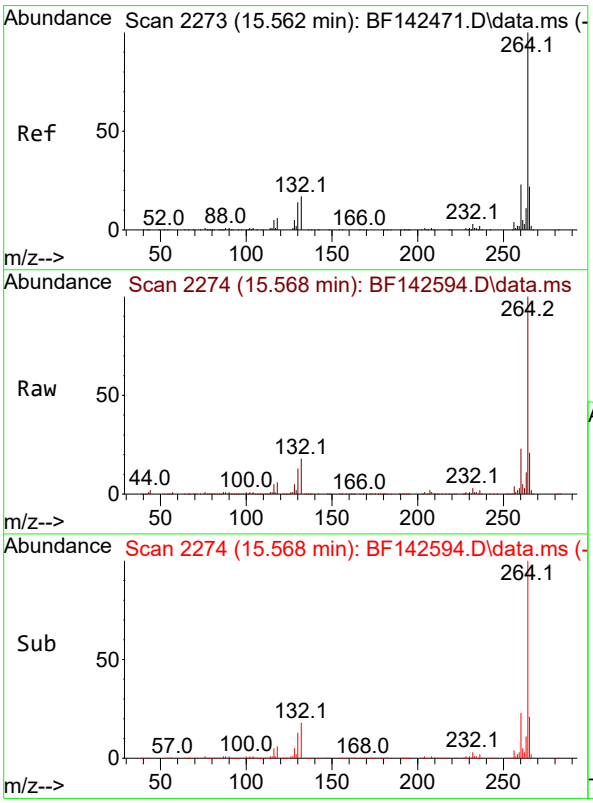
#79
Terphenyl-d14
Concen: 77.068 ng
RT: 13.016 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142594.D
Acq: 02 Jun 2025 13:26

Instrument :
BNA_F
ClientSampleId :
PB168235BL

Tgt Ion:244 Resp: 1618331

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.3	7.9
122	10.9	8.2	12.2

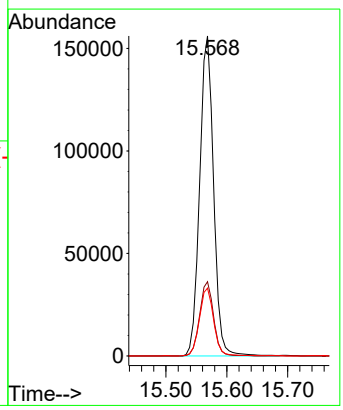




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.568 min Scan# 2274
Delta R.T. 0.000 min
Lab File: BF142594.D
Acq: 02 Jun 2025 13:26

Tgt Ion:264 Resp: 248222

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.6	28.0
265	21.2	17.7	26.5



Sample Results: **BF142594.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142594.D
Acq On : 02 Jun 2025 13:26
Operator : RC/JU
Sample : PB168235BL
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168235BL

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

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

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

Signal : TIC: BF142594.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.346	20	26	32	rBV	41123	64363	1.52%	0.256%
2	5.134	493	500	515	rBV	211712	353874	8.33%	1.407%
3	5.522	559	566	572	rBV	2266119	3181130	74.91%	12.653%
4	6.522	729	736	742	rBV	2129179	3159269	74.39%	12.566%
5	6.898	795	800	805	rBV	554980	674922	15.89%	2.684%
6	7.457	889	895	901	rBV	1437493	2079990	48.98%	8.273%
7	8.181	1012	1018	1030	rBV	699537	903783	21.28%	3.595%
8	9.257	1194	1201	1206	rBV	3141470	4159816	97.95%	16.545%
9	9.939	1311	1317	1333	rBV	847501	1065357	25.09%	4.237%
10	10.727	1445	1451	1473	rBV	2006364	2708239	63.77%	10.772%
11	11.427	1565	1570	1577	rBV	906008	1126581	26.53%	4.481%
12	13.016	1834	1840	1845	rBV	3174559	4246867	100.00%	16.891%
13	14.068	2011	2019	2030	rBV	588067	759950	17.89%	3.023%
14	15.568	2267	2274	2284	rBV	410357	658032	15.49%	2.617%

Sum of corrected areas: 25142173

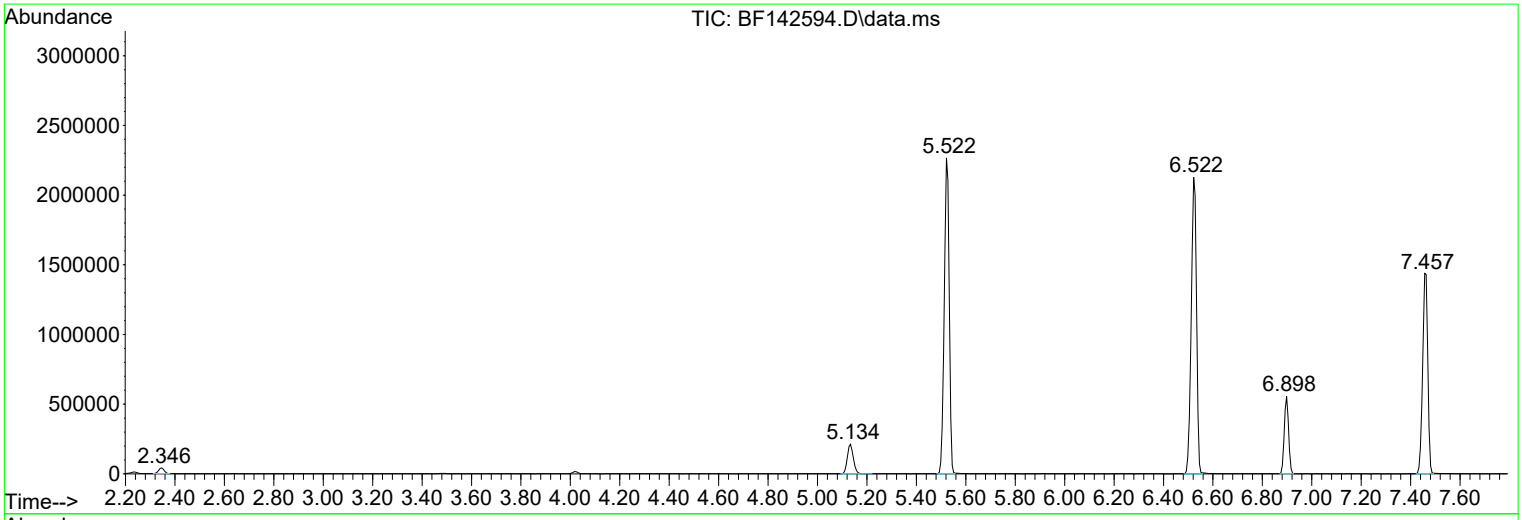
Sample Results: **BF142594.D**

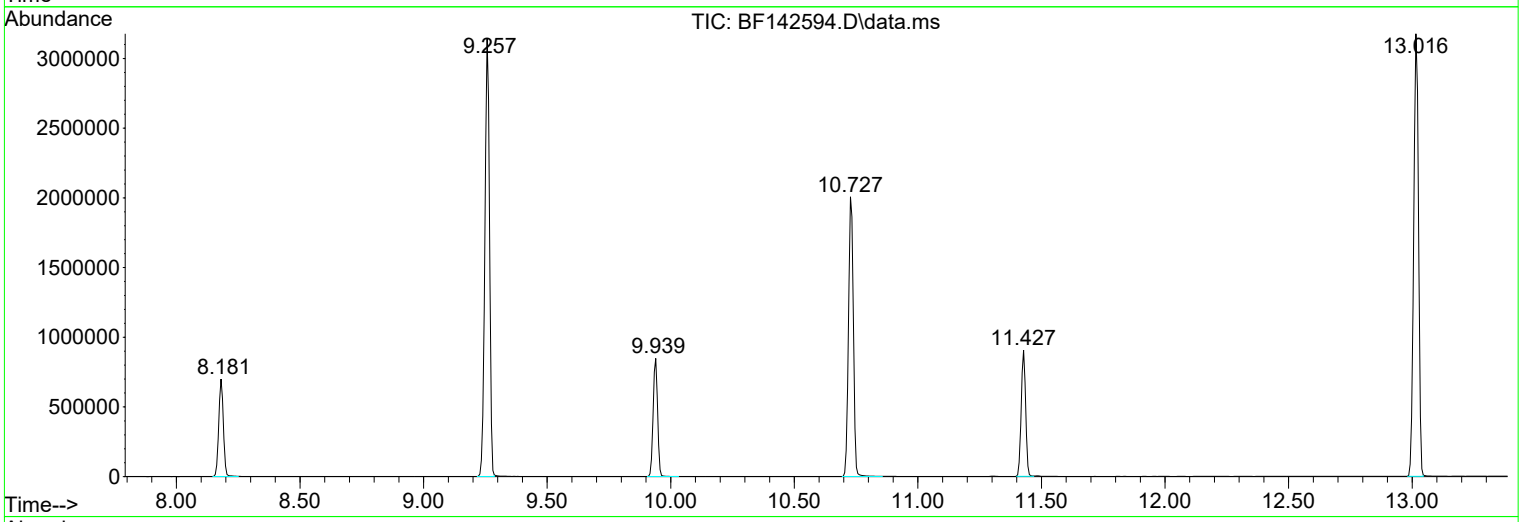
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142594.D
Acq On : 02 Jun 2025 13:26
Operator : RC/JU
Sample : PB168235BL
Misc :
ALS Vial : 6 Sample Multiplier: 1

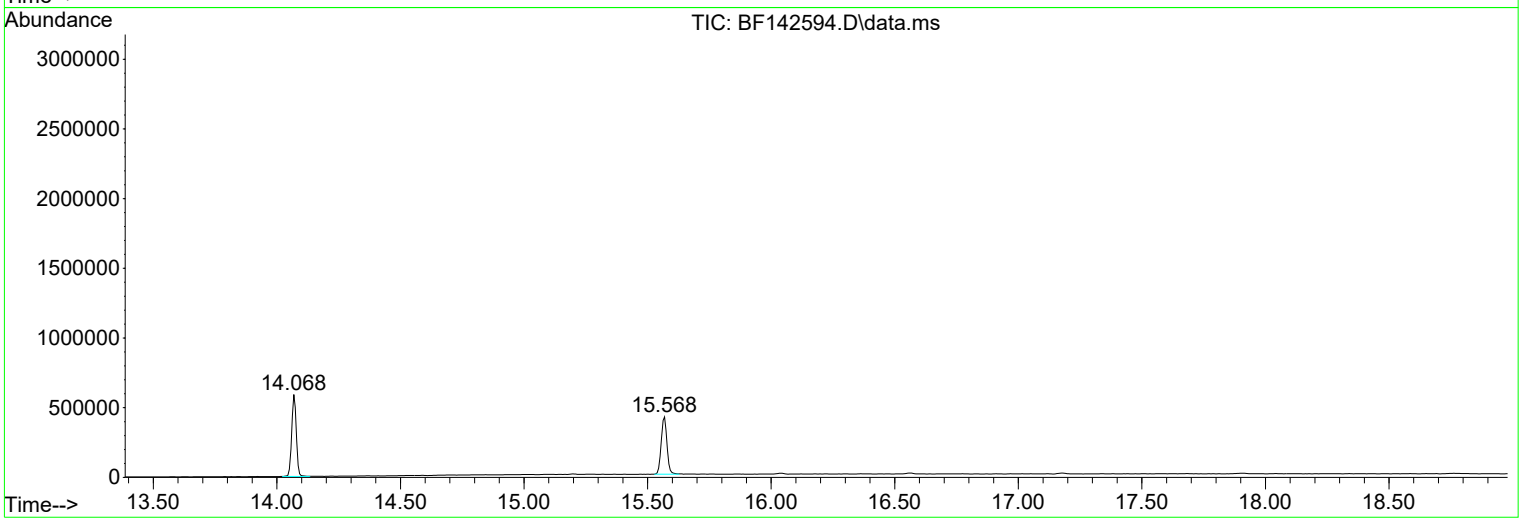
Instrument :
BNA_F
ClientSampleId :
PB168235BL

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

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







Sample Results: **BF142594.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142594.D
Acq On : 02 Jun 2025 13:26
Operator : RC/JU
Sample : PB168235BL
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168235BL

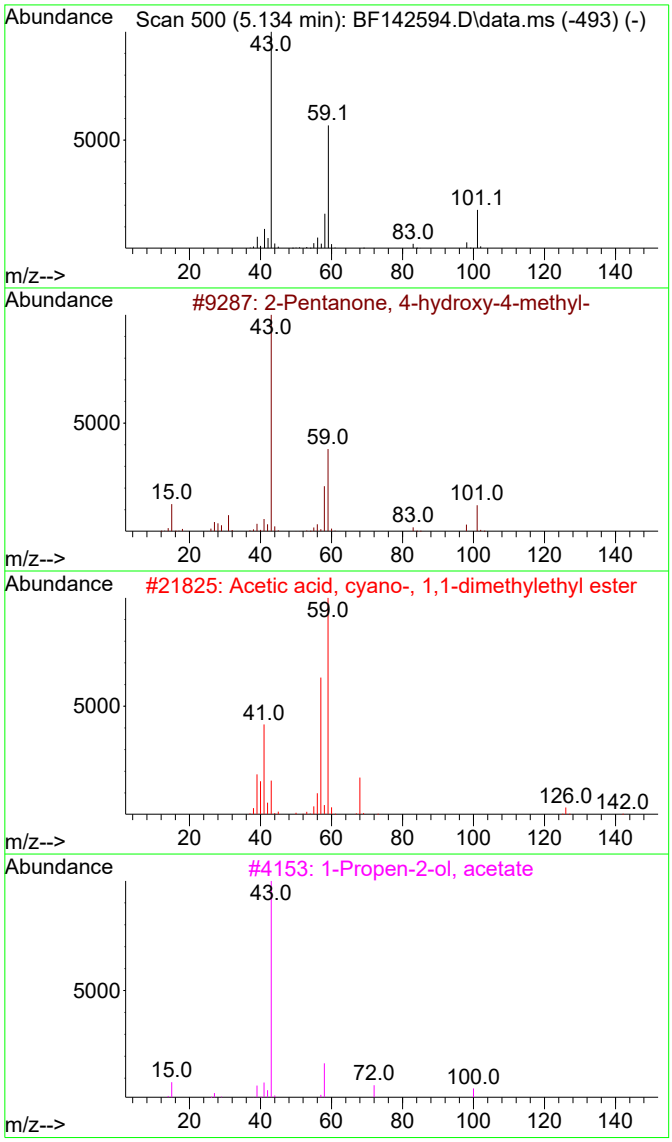
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

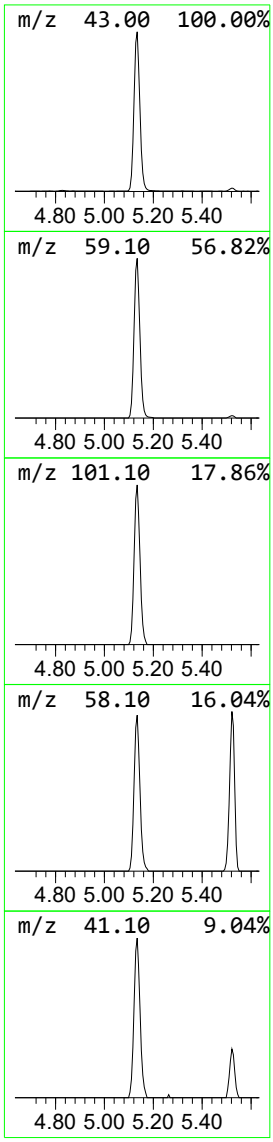
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.134	10.49 ng	353874	1,4-Dichlorobenzene-d4	6.898

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	32
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9





Sample Results: **BF142594.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142594.D
Acq On : 02 Jun 2025 13:26
Operator : RC/JU
Sample : PB168235BL
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168235BL

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

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-...	5.134	10.5	ng	353874	1	6.898	674922	20.0

Sample Results: **BF142595.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142595.D
Acq On : 02 Jun 2025 13:54
Operator : RC/JU
Sample : PB168235BS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 02 14:15:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB168235BS

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 06/03/2025
Supervised By :Jagrut Upadhyay 06/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	124139	20.000	ng	0.00
21) Naphthalene-d8	8.186	136	485746	20.000	ng	0.00
39) Acenaphthene-d10	9.945	164	271698	20.000	ng	0.00
64) Phenanthrene-d10	11.433	188	469529	20.000	ng	0.00
76) Chrysene-d12	14.074	240	249290	20.000	ng	0.00
86) Perylene-d12	15.568	264	263582	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	906620	123.042	ng	0.01
7) Phenol-d6	6.528	99	1104479	124.522	ng	0.00
23) Nitrobenzene-d5	7.463	82	678991	76.222	ng	-0.01
42) 2,4,6-Tribromophenol	10.733	330	383400	127.143	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	1457346	71.975	ng	0.00
79) Terphenyl-d14	13.016	244	1440878	78.985	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.763	88	106175	36.010	ng	100
3) Pyridine	3.522	79	299076	39.832	ng	98
4) n-Nitrosodimethylamine	3.475	42	163603	41.965	ng	91
6) Aniline	6.563	93	391173	32.799	ng	100
8) 2-Chlorophenol	6.687	128	353147	44.002	ng	99
9) Benzaldehyde	6.451	77	183138	34.329	ng	99
10) Phenol	6.545	94	423745	42.458	ng	95
11) bis(2-Chloroethyl)ether	6.634	93	312003	43.429	ng	100
12) 1,3-Dichlorobenzene	6.839	146	374882	41.860	ng	99
13) 1,4-Dichlorobenzene	6.916	146	378417	41.948	ng	99
14) 1,2-Dichlorobenzene	7.069	146	362456	41.990	ng	100
15) Benzyl Alcohol	7.039	79	283806	43.298	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.175	45	513926	42.597	ng	99
17) 2-Methylphenol	7.151	107	276621	44.146	ng	99
18) Hexachloroethane	7.410	117	131101	41.620	ng	97
19) n-Nitroso-di-n-propyla...	7.310	70	227191	41.329	ng	99
20) 3+4-Methylphenols	7.304	107	343279	42.780	ng	99
22) Acetophenone	7.310	105	448031	41.666	ng	99
24) Nitrobenzene	7.481	77	344719	42.906	ng	99
25) Isophorone	7.722	82	628729	42.214	ng	98
26) 2-Nitrophenol	7.798	139	193780	45.139	ng	96
27) 2,4-Dimethylphenol	7.833	122	334818	44.225	ng	98
28) bis(2-Chloroethoxy)met...	7.928	93	399276	42.916	ng	100
29) 2,4-Dichlorophenol	8.039	162	305895	44.429	ng	99
30) 1,2,4-Trichlorobenzene	8.122	180	318291	42.597	ng	98
31) Naphthalene	8.204	128	1014451	42.414	ng	100
32) Benzoic acid	7.957	122	218542	47.422	ng	96
33) 4-Chloroaniline	8.251	127	176677	18.230	ng	98
34) Hexachlorobutadiene	8.322	225	190668	40.867	ng	99
35) Caprolactam	8.622	113	99971m	51.700	ng	
36) 4-Chloro-3-methylphenol	8.733	107	318462	45.134	ng	98
37) 2-Methylnaphthalene	8.898	142	638084	42.405	ng	99
38) 1-Methylnaphthalene	8.998	142	654458	42.048	ng	99
40) 1,2,4,5-Tetrachloroben...	9.063	216	323517	41.480	ng	99
41) Hexachlorocyclopentadiene	9.051	237	424440	80.672	ng	100
43) 2,4,6-Trichlorophenol	9.175	196	227625	43.281	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142595.D
Acq On : 02 Jun 2025 13:54
Operator : RC/JU
Sample : PB168235BS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 02 14:15:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB168235BS

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 06/03/2025
Supervised By :Jagrut Upadhyay 06/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.216	196	246489	44.440	ng	98
46) 1,1'-Biphenyl	9.363	154	890515	42.247	ng	100
47) 2-Chloronaphthalene	9.386	162	653163	41.940	ng	99
48) 2-Nitroaniline	9.480	65	203179	45.136	ng	99
49) Acenaphthylene	9.804	152	1114044	42.363	ng	100
50) Dimethylphthalate	9.663	163	792383	44.199	ng	100
51) 2,6-Dinitrotoluene	9.727	165	176658	45.656	ng	95
52) Acenaphthene	9.975	154	743945	46.329	ng	99
53) 3-Nitroaniline	9.892	138	114327	27.052	ng	99
54) 2,4-Dinitrophenol	10.004	184	197620	98.857	ng	91
55) Dibenzofuran	10.151	168	979008	42.367	ng	98
56) 4-Nitrophenol	10.057	139	298469	95.715	ng	97
57) 2,4-Dinitrotoluene	10.133	165	239779	47.451	ng	99
58) Fluorene	10.492	166	767546	42.995	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.269	232	204888	44.249	ng	99
60) Diethylphthalate	10.363	149	787046	44.951	ng	100
61) 4-Chlorophenyl-phenyle...	10.480	204	373395	42.578	ng	99
62) 4-Nitroaniline	10.510	138	185820	48.480	ng	97
63) Azobenzene	10.645	77	687495	43.717	ng	98
65) 4,6-Dinitro-2-methylph...	10.539	198	127291	48.578	ng	99
66) n-Nitrosodiphenylamine	10.604	169	682308	42.475	ng	100
67) 4-Bromophenyl-phenylether	10.974	248	236773	42.648	ng	99
68) Hexachlorobenzene	11.039	284	267154	43.507	ng	99
69) Atrazine	11.127	200	210470	49.336	ng	99
70) Pentachlorophenol	11.233	266	303289	87.484	ng	99
71) Phenanthrene	11.457	178	1081466	43.099	ng	100
72) Anthracene	11.510	178	1107034	43.228	ng	99
73) Carbazole	11.663	167	982811	44.892	ng	99
74) Di-n-butylphthalate	11.986	149	1127520	47.051	ng	99
75) Fluoranthene	12.645	202	1069949	45.634	ng	98
77) Benzidine	12.763	184	363104	39.141	ng	100
78) Pyrene	12.874	202	1051541	45.218	ng	99
80) Butylbenzylphthalate	13.486	149	333843	51.953	ng	99
81) Benzo(a)anthracene	14.063	228	730755	43.899	ng	99
82) 3,3'-Dichlorobenzidine	14.021	252	134486	26.636	ng	98
83) Chrysene	14.104	228	684085	45.734	ng	100
84) Bis(2-ethylhexyl)phtha...	14.045	149	408925	49.711	ng	99
85) Di-n-octyl phthalate	14.662	149	704542	43.803	ng	99
87) Indeno(1,2,3-cd)pyrene	17.092	276	843246	42.614	ng	98
88) Benzo(b)fluoranthene	15.127	252	731225	46.873	ng	99
89) Benzo(k)fluoranthene	15.157	252	615237	42.107	ng	98
90) Benzo(a)pyrene	15.509	252	661758	45.004	ng	98
91) Dibenzo(a,h)anthracene	17.109	278	691116	43.063	ng	99
92) Benzo(g,h,i)perylene	17.551	276	683261	42.564	ng	98

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

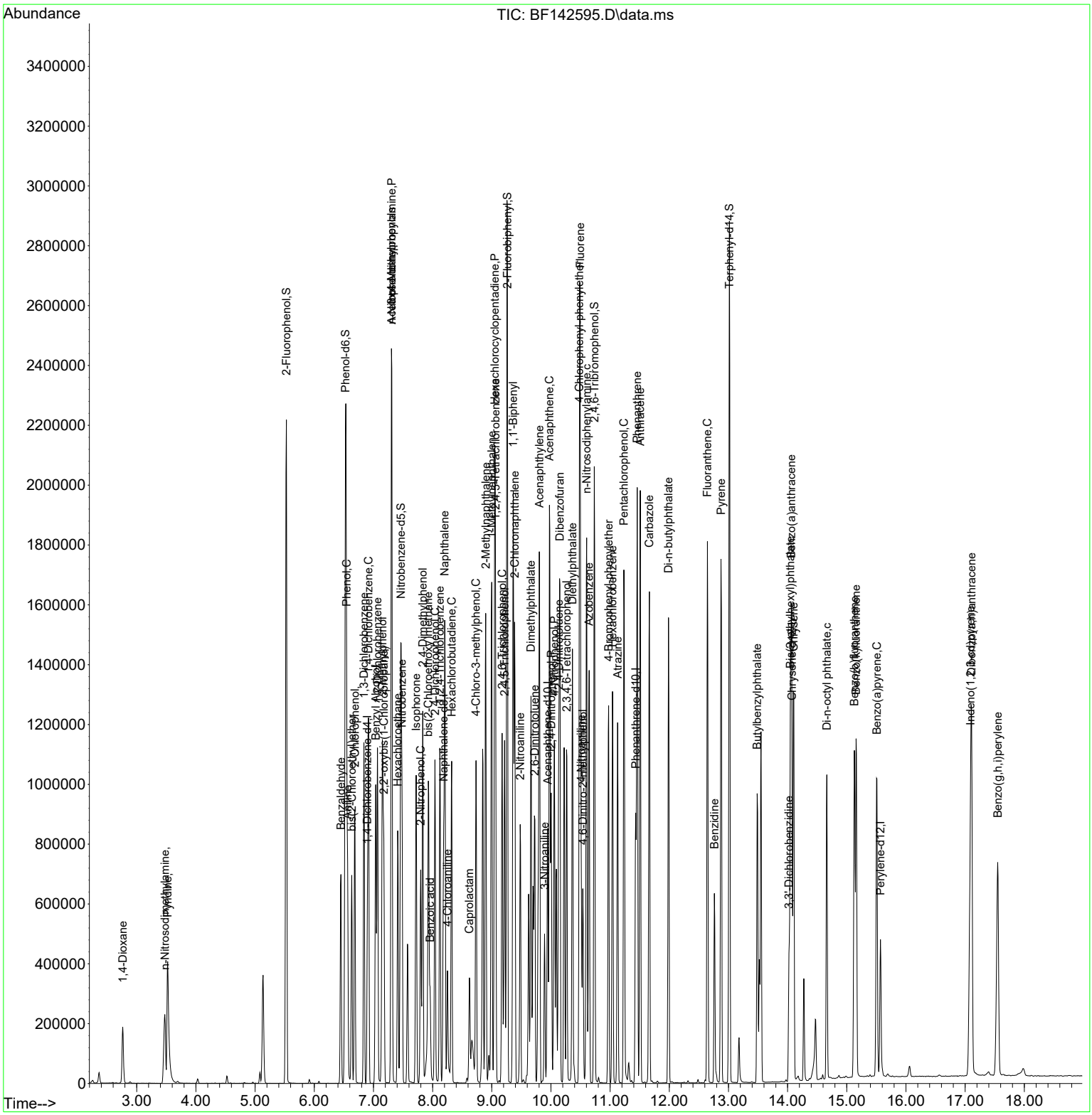
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142595.D
Acq On : 02 Jun 2025 13:54
Operator : RC/JU
Sample : PB168235BS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 02 14:15:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB168235BS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 06/03/2025
Supervised By :Jagrut Upadhyay 06/03/2025



Sample Results: **BF142596.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142596.D
Acq On : 02 Jun 2025 14:23
Operator : RC/JU
Sample : PB168235BSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 02 14:46:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB168235BSD

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 06/03/2025
Supervised By :Jagrut Upadhyay 06/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	121815	20.000	ng	0.00
21) Naphthalene-d8	8.186	136	480019	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	267337	20.000	ng	0.00
64) Phenanthrene-d10	11.433	188	467735	20.000	ng	0.00
76) Chrysene-d12	14.074	240	244296	20.000	ng	# 0.00
86) Perylene-d12	15.568	264	271289	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	859387	118.857	ng	0.01
7) Phenol-d6	6.528	99	1054388	121.142	ng	0.00
23) Nitrobenzene-d5	7.463	82	643375	73.086	ng	-0.01
42) 2,4,6-Tribromophenol	10.733	330	362774	122.265	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	1387378	69.638	ng	-0.01
79) Terphenyl-d14	13.016	244	1353021	75.685	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.757	88	99567	34.413	ng	100
3) Pyridine	3.516	79	281828	38.251	ng	98
4) n-Nitrosodimethylamine	3.469	42	153136	40.029	ng	89
6) Aniline	6.563	93	374034	31.961	ng	100
8) 2-Chlorophenol	6.687	128	335779	42.636	ng	100
9) Benzaldehyde	6.451	77	175660	33.555	ng	100
10) Phenol	6.545	94	406297	41.486	ng	95
11) bis(2-Chloroethyl)ether	6.634	93	295502	41.917	ng	99
12) 1,3-Dichlorobenzene	6.839	146	353667	40.245	ng	99
13) 1,4-Dichlorobenzene	6.916	146	361425	40.829	ng	98
14) 1,2-Dichlorobenzene	7.069	146	346239	40.877	ng	99
15) Benzyl Alcohol	7.039	79	270724	42.090	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.169	45	489983	41.387	ng	97
17) 2-Methylphenol	7.151	107	263017	42.776	ng	99
18) Hexachloroethane	7.410	117	124536	40.290	ng	99
19) n-Nitroso-di-n-propyla...	7.310	70	219266	40.649	ng	98
20) 3+4-Methylphenols	7.304	107	328466	41.715	ng	99
22) Acetophenone	7.310	105	430279	40.493	ng	99
24) Nitrobenzene	7.481	77	322571	40.628	ng	100
25) Isophorone	7.722	82	602379	40.928	ng	99
26) 2-Nitrophenol	7.798	139	183337	43.216	ng	96
27) 2,4-Dimethylphenol	7.834	122	319594	42.718	ng	99
28) bis(2-Chloroethoxy)met...	7.928	93	381998	41.548	ng	99
29) 2,4-Dichlorophenol	8.039	162	293761	43.176	ng	99
30) 1,2,4-Trichlorobenzene	8.122	180	302860	41.016	ng	98
31) Naphthalene	8.204	128	969182	41.005	ng	100
32) Benzoic acid	7.957	122	214093	47.010	ng	96
33) 4-Chloroaniline	8.251	127	173118	18.076	ng	98
34) Hexachlorobutadiene	8.322	225	185656	40.268	ng	99
35) Caprolactam	8.622	113	94251m	49.323	ng	
36) 4-Chloro-3-methylphenol	8.733	107	301488	43.238	ng	97
37) 2-Methylnaphthalene	8.898	142	603600	40.592	ng	99
38) 1-Methylnaphthalene	8.998	142	625578	40.672	ng	100
40) 1,2,4,5-Tetrachloroben...	9.063	216	307355	40.051	ng	99
41) Hexachlorocyclopentadiene	9.051	237	402562	77.762	ng	99
43) 2,4,6-Trichlorophenol	9.175	196	216571	41.851	ng	97

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142596.D
Acq On : 02 Jun 2025 14:23
Operator : RC/JU
Sample : PB168235BSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 02 14:46:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB168235BSD

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 06/03/2025
Supervised By :Jagrut Upadhyay 06/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.216	196	231921	42.495	ng	99
46) 1,1'-Biphenyl	9.363	154	840854	40.542	ng	99
47) 2-Chloronaphthalene	9.386	162	623705	40.702	ng	99
48) 2-Nitroaniline	9.480	65	192120	43.375	ng	98
49) Acenaphthylene	9.804	152	1063876	41.115	ng	100
50) Dimethylphthalate	9.663	163	758859	43.020	ng	100
51) 2,6-Dinitrotoluene	9.728	165	168232	44.188	ng	95
52) Acenaphthene	9.975	154	714616	45.228	ng	99
53) 3-Nitroaniline	9.892	138	108414	26.071	ng	98
54) 2,4-Dinitrophenol	10.004	184	195823	99.556	ng	92
55) Dibenzofuran	10.151	168	935965	41.165	ng	98
56) 4-Nitrophenol	10.057	139	275219	89.699	ng	97
57) 2,4-Dinitrotoluene	10.128	165	229516	46.161	ng	99
58) Fluorene	10.492	166	728508	41.474	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.269	232	197146	43.271	ng	99
60) Diethylphthalate	10.363	149	742673	43.109	ng	99
61) 4-Chlorophenyl-phenyle...	10.480	204	358107	41.501	ng	98
62) 4-Nitroaniline	10.510	138	173033	45.880	ng	97
63) Azobenzene	10.639	77	654721	42.312	ng	99
65) 4,6-Dinitro-2-methylph...	10.539	198	124652	47.754	ng	98
66) n-Nitrosodiphenylamine	10.604	169	657300	41.076	ng	100
67) 4-Bromophenyl-phenylether	10.975	248	226677	40.986	ng	97
68) Hexachlorobenzene	11.039	284	254337	41.579	ng	100
69) Atrazine	11.127	200	197333	46.434	ng	100
70) Pentachlorophenol	11.233	266	286493	82.956	ng	99
71) Phenanthrene	11.457	178	1030386	41.221	ng	100
72) Anthracene	11.510	178	1047674	41.067	ng	99
73) Carbazole	11.663	167	915413	41.974	ng	99
74) Di-n-butylphthalate	11.986	149	1054540	44.174	ng	100
75) Fluoranthene	12.645	202	993361	42.530	ng	98
77) Benzidine	12.763	184	337902	37.169	ng	99
78) Pyrene	12.874	202	974927	42.780	ng	100
80) Butylbenzylphthalate	13.486	149	310361	49.286	ng	99
81) Benzo(a)anthracene	14.063	228	692921	42.477	ng	99
82) 3,3'-Dichlorobenzidine	14.021	252	129835	26.241	ng	98
83) Chrysene	14.104	228	640831	43.718	ng	99
84) Bis(2-ethylhexyl)phtha...	14.045	149	396090	49.135	ng	99
85) Di-n-octyl phthalate	14.663	149	689795	43.763	ng	100
87) Indeno(1,2,3-cd)pyrene	17.092	276	828706	40.689	ng	98
88) Benzo(b)fluoranthene	15.127	252	704885	43.901	ng	98
89) Benzo(k)fluoranthene	15.157	252	599933	39.893	ng	97
90) Benzo(a)pyrene	15.504	252	651737	43.063	ng	99
91) Dibenzo(a,h)anthracene	17.109	278	679455	41.133	ng	99
92) Benzo(g,h,i)perylene	17.551	276	670764	40.598	ng	98

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

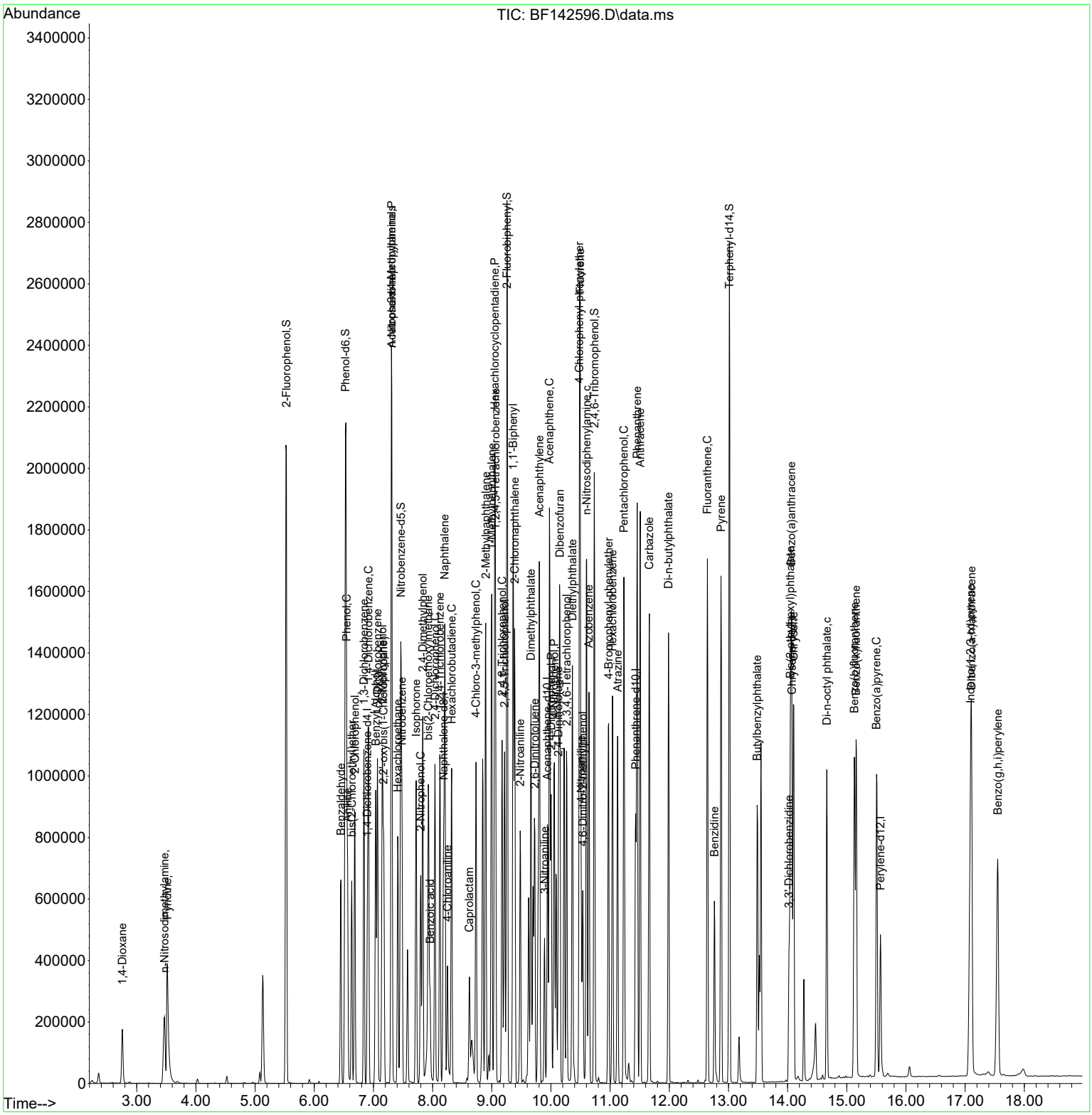
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142596.D
Acq On : 02 Jun 2025 14:23
Operator : RC/JU
Sample : PB168235BSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 02 14:46:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB168235BSD

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 06/03/2025
Supervised By :Jagrut Upadhyay 06/03/2025



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

Manual Integration Report

Sequence:	bf052025	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC010	BF142469.D	Benzoic acid	Rahul	5/21/2025 2:07:30 PM	Jagrut	5/21/2025 4:43:55 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	BF060225	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB168235BS	BF142595.D	Caprolactam	Rahul	6/3/2025 1:29:38 PM	Jagrut	6/3/2025 5:25:03 PM	Peak Integrated by Software
PB168235BSD	BF142596.D	Caprolactam	Rahul	6/3/2025 1:29:40 PM	Jagrut	6/3/2025 5:25:06 PM	Peak Integrated by Software

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF052025

Review By	Rahul	Review On	5/21/2025 2:52:20 PM				
Supervise By	Jagrut	Supervise On	5/21/2025 4:44:06 PM				
SubDirectory	BF052025	HP Acquire Method	BNA_F		HP Processing Method	bf052025	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12665,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF142465.D	20 May 2025 11:13	RC/JU	Ok
2	SSTDCCC040	BF142466.D	20 May 2025 11:41	RC/JU	Not Ok
3	SSTDICC2.5	BF142467.D	20 May 2025 12:10	RC/JU	Ok
4	SSTDICC005	BF142468.D	20 May 2025 12:38	RC/JU	Ok
5	SSTDICC010	BF142469.D	20 May 2025 13:07	RC/JU	Ok,M
6	SSTDICC020	BF142470.D	20 May 2025 13:36	RC/JU	Ok
7	SSTDICCC040	BF142471.D	20 May 2025 14:05	RC/JU	Ok
8	SSTDICC050	BF142472.D	20 May 2025 14:34	RC/JU	Ok
9	SSTDICC060	BF142473.D	20 May 2025 15:03	RC/JU	Ok
10	SSTDICC080	BF142474.D	20 May 2025 15:31	RC/JU	Ok
11	SSTDICV040	BF142475.D	20 May 2025 16:31	RC/JU	Ok
12	PB168067TB	BF142476.D	20 May 2025 17:29	RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF060225

Review By	Rahul	Review On	6/3/2025 1:30:43 PM				
Supervise By	Jagrut	Supervise On	6/3/2025 5:25:27 PM				
SubDirectory	BF060225	HP Acquire Method	BNA_F		HP Processing Method	bf052025	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12667,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF142589.D	02 Jun 2025 11:01	RC/JU	Ok
2	SSTDCCC040	BF142590.D	02 Jun 2025 11:30	RC/JU	Ok
3	PB168219BL	BF142591.D	02 Jun 2025 11:59	RC/JU	Ok
4	PB168219BS	BF142592.D	02 Jun 2025 12:28	RC/JU	Ok,M
5	PB168190TB	BF142593.D	02 Jun 2025 12:57	RC/JU	Ok
6	PB168235BL	BF142594.D	02 Jun 2025 13:26	RC/JU	Ok
7	PB168235BS	BF142595.D	02 Jun 2025 13:54	RC/JU	Ok,M
8	PB168235BSD	BF142596.D	02 Jun 2025 14:23	RC/JU	Ok,M
9	Q2134-01	BF142597.D	02 Jun 2025 15:05	RC/JU	Ok
10	Q2150-01DL	BF142598.D	02 Jun 2025 15:34	RC/JU	Ok,M
11	Q2149-01	BF142599.D	02 Jun 2025 16:03	RC/JU	Dilution
12	Q2149-01DL	BF142600.D	02 Jun 2025 17:11	RC/JU	Ok

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF052025

Review By	Rahul	Review On	5/21/2025 2:52:20 PM		
Supervise By	Jagrut	Supervise On	5/21/2025 4:44:06 PM		
SubDirectory	BF052025	HP Acquire Method	BNA_F	HP Processing Method	bf052025

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12665,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF142465.D	20 May 2025 11:13		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF142466.D	20 May 2025 11:41	Fresh Calibration Required	RC/JU	Not Ok
3	SSTDICC2.5	SSTDICC2.5	BF142467.D	20 May 2025 12:10		RC/JU	Ok
4	SSTDICC005	SSTDICC005	BF142468.D	20 May 2025 12:38	Compound #32,54,85 removed from 5ppm	RC/JU	Ok
5	SSTDICC010	SSTDICC010	BF142469.D	20 May 2025 13:07		RC/JU	Ok,M
6	SSTDICC020	SSTDICC020	BF142470.D	20 May 2025 13:36		RC/JU	Ok
7	SSTDICCC040	SSTDICCC040	BF142471.D	20 May 2025 14:05	This calibration is good for both the methods, 8270E DOD and 625.1.	RC/JU	Ok
8	SSTDICC050	SSTDICC050	BF142472.D	20 May 2025 14:34		RC/JU	Ok
9	SSTDICC060	SSTDICC060	BF142473.D	20 May 2025 15:03		RC/JU	Ok
10	SSTDICC080	SSTDICC080	BF142474.D	20 May 2025 15:31		RC/JU	Ok
11	SSTDICV040	ICVBF052025	BF142475.D	20 May 2025 16:31		RC/JU	Ok
12	PB168067TB	PB168067TB	BF142476.D	20 May 2025 17:29		RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF060225

Review By	Rahul	Review On	6/3/2025 1:30:43 PM		
Supervise By	Jagrut	Supervise On	6/3/2025 5:25:27 PM		
SubDirectory	BF060225	HP Acquire Method	BNA_F	HP Processing Method	bf052025

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12667,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF142589.D	02 Jun 2025 11:01		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF142590.D	02 Jun 2025 11:30		RC/JU	Ok
3	PB168219BL	PB168219BL	BF142591.D	02 Jun 2025 11:59		RC/JU	Ok
4	PB168219BS	PB168219BS	BF142592.D	02 Jun 2025 12:28		RC/JU	Ok,M
5	PB168190TB	PB168190TB	BF142593.D	02 Jun 2025 12:57		RC/JU	Ok
6	PB168235BL	PB168235BL	BF142594.D	02 Jun 2025 13:26		RC/JU	Ok
7	PB168235BS	PB168235BS	BF142595.D	02 Jun 2025 13:54		RC/JU	Ok,M
8	PB168235BSD	PB168235BSD	BF142596.D	02 Jun 2025 14:23		RC/JU	Ok,M
9	Q2134-01	MW10	BF142597.D	02 Jun 2025 15:05		RC/JU	Ok
10	Q2150-01DL	TP-44DL	BF142598.D	02 Jun 2025 15:34		RC/JU	Ok,M
11	Q2149-01	FILTER-CAKE	BF142599.D	02 Jun 2025 16:03	Need 5X Dilution	RC/JU	Dilution
12	Q2149-01DL	FILTER-CAKEDL	BF142600.D	02 Jun 2025 17:11		RC/JU	Ok

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB168235

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

Clean Up SOP #: N/A

Matrix : Water

Weigh By: N/A

Balance check: N/A

Balance ID: N/A

pH Strip Lot#: E3880

Extraction By: RS

Filter By: RJ

pH Meter ID: N/A

Hood ID: 4,6,7

Extraction Start Date : 05/30/2025

Extraction Start Time : 09:21

Extraction End Date : 05/30/2025

Extraction End Time : 14:20

Concentration By: EH

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	E3939
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

KD Bath Temperature: 60 °C

Envap ID: NEVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
5/30/25	RS (ECL-Lab)	R/SVOC
14:25	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB168235

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

Concentration Date: 05/30/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168235BL	SBLK235	SVOCMS Group2	1000	6	RUPESH	ritesh	1			SEP-1
PB168235BS	SLCS235	SVOCMS Group2	1000	6	RUPESH	ritesh	1			2
PB168235BSD	SLCSD235	SVOCMS Group2	1000	6	RUPESH	ritesh	1			3
Q2134-01	MW10	SVOCMS Group2	980	6	RUPESH	ritesh	1	D		4

RS
5/30

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

168233
9:21

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2134 **WorkList ID :** 189863 **Department :** Extraction **Date :** 05-30-2025 09:14:51

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2134-01	MW10	Water	SVOCMS Group2	Cool 4 deg C	GENV01	L31	05/27/2025	8270E

Date/Time 5/30/25 9:15
Raw Sample Received by: RS (Ext lab)
Raw Sample Relinquished by: JD (SM)

Date/Time 5/30/25 9:45
Raw Sample Received by: JD (SM)
Raw Sample Relinquished by: RS (Ext lab)

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

LAB CHRONICLE

OrderID:	Q2134	**OrderDate:**	5/28/2025 11:45:10 AM
Client:	G Environmental	**Project:**	DPW
Contact:	Gary Landis	**Location:**	L31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2134-01	**MW10**	**Water**			**05/27/25**			**05/28/25**
			SVOCMS Group2	8270E		05/30/25	06/02/25	