

Hit Summary Sheet SW-846

SDG No.: Q2114
Client: G Environmental

Sample ID	Client ID	Parameter	Concentration	C	MDL	RDL	Units
Client ID : GAW1							
Q2114-01	GAW1	WATER Caprolactam	21.500		1.1	10.1	ug/L
		Total Svoc :			21.50		
Q2114-01	GAW1	WATER 1H,2H,3H-Cyclopenta[a]naphthal *	2.700	J	0	0	ug/L
Q2114-01	GAW1	WATER 1-Heneicosanol *	4.200	J	0	0	ug/L
Q2114-01	GAW1	WATER 2-Pentanone, 4-hydroxy-4-methyl *	3.900	AB	0	0	ug/L
Q2114-01	GAW1	WATER Benzene, 2-ethenyl-1,4-dimethyl- *	2.600	J	0	0	ug/L
Q2114-01	GAW1	WATER Benzophenone *	3.500	J	0	0	ug/L
Q2114-01	GAW1	WATER Hexadecanoic acid, butyl ester *	2.200	J	0	0	ug/L
Q2114-01	GAW1	WATER Naphthalene, 1-(2-propenyl)- *	2.500	J	0	0	ug/L
Q2114-01	GAW1	WATER Naphthalene, 1,6-dimethyl- *	2.200	J	0	0	ug/L
Q2114-01	GAW1	WATER Naphthalene, 2-methyl- *	2.400	J	0	0	ug/L
Q2114-01	GAW1	WATER n-Hexadecanoic acid *	11.900	J	0	0	ug/L
Q2114-01	GAW1	WATER Octadecanoic acid *	3.100	J	0	0	ug/L
Q2114-01	GAW1	WATER Tridecane, 5-propyl- *	4.600	J	0	0	ug/L
		Total Tics :			45.80		
		Total Concentration:			67.30		



SAMPLE DATA

Report of Analysis

Client:	G Environmental	Date Collected:	05/22/25
Project:	Mt. Holly	Date Received:	05/22/25
Client Sample ID:	GAW1	SDG No.:	Q2114
Lab Sample ID:	Q2114-01	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BF142538.D	1	05/23/25 08:31	05/23/25 16:34	PB168143

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	3.90	U	3.90	10.1	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.82	U	0.82	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	0.75	U	0.75	5.10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.40	U	1.40	2.50	ug/L
67-72-1	Hexachloroethane	0.66	U	0.66	5.10	ug/L
98-95-3	Nitrobenzene	0.77	U	0.77	5.10	ug/L
78-59-1	Isophorone	0.76	U	0.76	5.10	ug/L
111-91-1	bis(2-Chloroethoxy)methane	0.69	U	0.69	5.10	ug/L
91-20-3	Naphthalene	0.51	U	0.51	5.10	ug/L
106-47-8	4-Chloroaniline	0.85	UQ	0.85	5.10	ug/L
87-68-3	Hexachlorobutadiene	0.55	U	0.55	5.10	ug/L
105-60-2	Caprolactam	21.5		1.10	10.1	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	10.1	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	0.76	U	0.76	5.10	ug/L
606-20-2	2,6-Dinitrotoluene	0.93	U	0.93	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

Report of Analysis

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Project:	Mt. Holly	Date Received:	05/22/25
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Lab Sample ID:	Q2114-01	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BF142538.D	1	05/23/25 08:31	05/23/25 16:34	PB168143

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	0.40	U	0.40	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	0.83	U	0.83	5.10	ug/L
129-00-0	Pyrene	0.51	U	0.51	5.10	ug/L
85-68-7	Butylbenzylphthalate	1.90	U	1.90	5.10	ug/L
91-94-1	3,3-Dichlorobenzidine	0.94	UQ	0.94	10.1	ug/L
56-55-3	Benzo(a)anthracene	0.45	U	0.45	5.10	ug/L
218-01-9	Chrysene	0.44	U	0.44	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	10.1	ug/L
205-99-2	Benzo(b)fluoranthene	0.49	U	0.49	5.10	ug/L
207-08-9	Benzo(k)fluoranthene	0.48	U	0.48	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

367-12-4	2-Fluorophenol	56.1		15 (10) - 110 (139)	37%	SPK: 150
13127-88-3	Phenol-d6	35.5		15 (10) - 110 (134)	24%	SPK: 150
4165-60-0	Nitrobenzene-d5	70.9		30 (49) - 130 (133)	71%	SPK: 100
321-60-8	2-Fluorobiphenyl	66.3		30 (52) - 130 (132)	66%	SPK: 100
118-79-6	2,4,6-Tribromophenol	113		15 (44) - 110 (137)	75%	SPK: 150

Report of Analysis

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Project:	Mt. Holly	Date Received:	05/22/25
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Lab Sample ID:	Q2114-01	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BF142538.D	1	05/23/25 08:31	05/23/25 16:34	PB168143

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1718-51-0	Terphenyl-d14	65.2		30 (48) - 130 (125)	65%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	111000	6.892
1146-65-2	Naphthalene-d8	425000	8.181
15067-26-2	Acenaphthene-d10	231000	9.933
1517-22-2	Phenanthrene-d10	378000	11.421
1719-03-5	Chrysene-d12	218000	14.062
1520-96-3	Perylene-d12	219000	15.556

TENTATIVE IDENTIFIED COMPOUNDS

000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.90	AB	5.11	ug/L
002039-89-6	Benzene, 2-ethenyl-1,4-dimethyl-	2.60	J	7.92	ug/L
000091-57-6	Naphthalene, 2-methyl-	2.40	J	8.99	ug/L
000575-43-9	Naphthalene, 1,6-dimethyl-	2.20	J	9.52	ug/L
002489-86-3	Naphthalene, 1-(2-propenyl)-	2.50	J	10.6	ug/L
000119-61-9	Benzophenone	3.50	J	10.6	ug/L
055045-11-9	Tridecane, 5-propyl-	4.60	J	10.9	ug/L
001624-22-2	1H,2H,3H-Cyclopenta[a]naphthalen-5	2.70	J	11.1	ug/L
000057-10-3	n-Hexadecanoic acid	11.9	J	11.9	ug/L
000057-11-4	Octadecanoic acid	3.10	J	12.7	ug/L
000111-06-8	Hexadecanoic acid, butyl ester	2.20	J	12.8	ug/L
015594-90-8	1-Heneicosanol	4.20	J	13.9	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

Surrogate Summary

SW-846

SDG No.: Q2114

Client: G Environmental

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB168143BL	PB168143BL	2-Fluorophenol	150	125	84		15 (10)	110 (139)
		Phenol-d6	150	126	84		15 (10)	110 (134)
		Nitrobenzene-d5	100	78.4	78		30 (49)	130 (133)
		2-Fluorobiphenyl	100	73.4	73		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	133	89		15 (44)	110 (137)
		Terphenyl-d14	100	69.5	70		30 (48)	130 (125)
PB168143BS	PB168143BS	2-Fluorophenol	150	120	80		15 (10)	110 (139)
		Phenol-d6	150	124	83		15 (10)	110 (134)
		Nitrobenzene-d5	100	75.5	76		30 (49)	130 (133)
		2-Fluorobiphenyl	100	71.3	71		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	132	88		15 (44)	110 (137)
		Terphenyl-d14	100	75.5	75		30 (48)	130 (125)
PB168143BSD	PB168143BSD	2-Fluorophenol	150	119	79		15 (10)	110 (139)
		Phenol-d6	150	121	80		15 (10)	110 (134)
		Nitrobenzene-d5	100	73.8	74		30 (49)	130 (133)
		2-Fluorobiphenyl	100	70.7	71		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	127	84		15 (44)	110 (137)
		Terphenyl-d14	100	75.0	75		30 (48)	130 (125)
Q2114-01	GAW1	2-Fluorophenol	150	56.1	37		15 (10)	110 (139)
		Phenol-d6	150	35.5	24		15 (10)	110 (134)
		Nitrobenzene-d5	100	70.9	71		30 (49)	130 (133)
		2-Fluorobiphenyl	100	66.3	66		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	113	75		15 (44)	110 (137)
		Terphenyl-d14	100	65.2	65		30 (48)	130 (125)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2114

Client: G Environmental

Analytical Method: 8270E

DataFile: BF142556.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB168143BS	Benzaldehyde	50	38.4	ug/L	77				20 (10)	160 (162)	
	bis(2-Chloroethyl)ether	50	43.8	ug/L	88				70 (62)	130 (103)	
	2,2-oxybis(1-Chloropropane)	50	42.6	ug/L	85				70 (65)	130 (100)	
	Acetophenone	50	42.5	ug/L	85				70 (60)	130 (104)	
	N-Nitroso-di-n-propylamine	50	42.0	ug/L	84				70 (57)	130 (107)	
	Hexachloroethane	50	41.6	ug/L	83				20 (76)	160 (118)	
	Nitrobenzene	50	43.0	ug/L	86				70 (58)	130 (106)	
	Isophorone	50	42.7	ug/L	85				70 (61)	130 (102)	
	bis(2-Chloroethoxy)methane	50	43.4	ug/L	87				70 (58)	130 (109)	
	Naphthalene	50	42.4	ug/L	85				70 (64)	130 (107)	
	4-Chloroaniline	50	8.50	ug/L	17		*		70 (10)	130 (85)	
	Hexachlorobutadiene	50	41.3	ug/L	83				70 (69)	130 (101)	
	Caprolactam	50	51.1	ug/L	102				20 (58)	160 (128)	
	2-Methylnaphthalene	50	42.0	ug/L	84				70 (64)	130 (107)	
	Hexachlorocyclopentadiene	100	84.7	ug/L	85				20 (36)	160 (160)	
	1,1-Biphenyl	50	41.7	ug/L	83				70 (72)	130 (98)	
	2-Chloronaphthalene	50	42.4	ug/L	85				70 (59)	130 (106)	
	2-Nitroaniline	50	45.5	ug/L	91				70 (73)	130 (114)	
	Dimethylphthalate	50	45.2	ug/L	90				70 (64)	130 (103)	
	Acenaphthylene	50	42.4	ug/L	85				70 (79)	130 (103)	
	2,6-Dinitrotoluene	50	46.3	ug/L	93				70 (64)	130 (110)	
	3-Nitroaniline	50	20.2	ug/L	40		*		70 (28)	130 (100)	
	Acenaphthene	50	47.4	ug/L	95				70 (59)	130 (113)	
	Dibenzofuran	50	43.2	ug/L	86				70 (65)	130 (106)	
	2,4-Dinitrotoluene	50	49.3	ug/L	99				70 (60)	130 (115)	
	Diethylphthalate	50	45.5	ug/L	91				70 (63)	130 (105)	
	4-Chlorophenyl-phenylether	50	43.5	ug/L	87				70 (61)	130 (104)	
	Fluorene	50	43.1	ug/L	86				70 (64)	130 (107)	
	4-Nitroaniline	50	49.9	ug/L	100				70 (55)	130 (125)	
	N-Nitrosodiphenylamine	50	41.6	ug/L	83				70 (61)	130 (109)	
	4-Bromophenyl-phenylether	50	42.1	ug/L	84				70 (73)	130 (103)	
	Hexachlorobenzene	50	42.9	ug/L	86				70 (73)	130 (106)	
	Atrazine	50	50.6	ug/L	101				70 (76)	130 (120)	
	Phenanthrene	50	43.1	ug/L	86				70 (62)	130 (109)	
	Anthracene	50	42.7	ug/L	85				70 (65)	130 (110)	
	Carbazole	50	45.9	ug/L	92				70 (62)	130 (106)	
	Di-n-butylphthalate	50	48.6	ug/L	97				70 (64)	130 (106)	
	Fluoranthene	50	47.6	ug/L	95				70 (64)	130 (110)	
	Pyrene	50	43.6	ug/L	87				70 (71)	130 (103)	
	Butylbenzylphthalate	50	52.6	ug/L	105				70 (61)	130 (105)	
	3,3-Dichlorobenzidine	50	16.1	ug/L	32		*		70 (43)	130 (108)	
	Benzo(a)anthracene	50	43.9	ug/L	88				70 (62)	130 (107)	
	Chrysene	50	44.2	ug/L	88				70 (61)	130 (108)	
	bis(2-Ethylhexyl)phthalate	50	47.8	ug/L	96				70 (59)	130 (110)	

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2114

Client: G Environmental

Analytical Method: 8270E

DataFile: BF142556.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB168143BS	Di-n-octyl phthalate	50	37.9	ug/L	76				70 (52)	130 (139)		
	Benzo(b)fluoranthene	50	44.4	ug/L	89				70 (77)	130 (113)		
	Benzo(k)fluoranthene	50	45.7	ug/L	91				70 (77)	130 (105)		
	Benzo(a)pyrene	50	45.2	ug/L	90				70 (72)	130 (131)		
	Indeno(1,2,3-cd)pyrene	50	42.4	ug/L	85				70 (72)	130 (105)		
	Dibenz(a,h)anthracene	50	42.8	ug/L	86				70 (78)	130 (115)		
	Benzo(g,h,i)perylene	50	42.5	ug/L	85				70 (75)	130 (118)		
	1,2,4,5-Tetrachlorobenzene	50	41.6	ug/L	83				70 (72)	130 (101)		
	1,4-Dioxane	50	36.5	ug/L	73				20 (38)	160 (125)		

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2114

Client: G Environmental

Analytical Method: 8270E

DataFile: BF142557.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Limits		
							Qual	Qual	Low	High	RPD
PB168143BSD	Benzaldehyde	50	37.9	ug/L	76	1			20 (10)	160 (162)	20 (20)
	bis(2-Chloroethyl)ether	50	42.5	ug/L	85	3			70 (62)	130 (103)	20 (20)
	2,2-oxybis(1-Chloropropane)	50	42.5	ug/L	85	0			70 (65)	130 (100)	20 (20)
	Acetophenone	50	41.5	ug/L	83	2			70 (60)	130 (104)	20 (20)
	N-Nitroso-di-n-propylamine	50	42.0	ug/L	84	0			70 (57)	130 (107)	20 (20)
	Hexachloroethane	50	41.2	ug/L	82	1			20 (76)	160 (118)	20 (20)
	Nitrobenzene	50	42.0	ug/L	84	2			70 (58)	130 (106)	20 (20)
	Isophorone	50	41.8	ug/L	84	2			70 (61)	130 (102)	20 (20)
	bis(2-Chloroethoxy)methane	50	42.5	ug/L	85	2			70 (58)	130 (109)	20 (20)
	Naphthalene	50	41.9	ug/L	84	1			70 (64)	130 (107)	20 (20)
	4-Chloroaniline	50	9.20	ug/L	18	8	*		70 (10)	130 (85)	20 (20)
	Hexachlorobutadiene	50	40.7	ug/L	81	1			70 (69)	130 (101)	20 (20)
	Caprolactam	50	48.0	ug/L	96	6			20 (58)	160 (128)	20 (20)
	2-Methylnaphthalene	50	41.7	ug/L	83	1			70 (64)	130 (107)	20 (20)
	Hexachlorocyclopentadiene	100	84.1	ug/L	84	1			20 (36)	160 (160)	20 (20)
	1,1-Biphenyl	50	40.7	ug/L	81	2			70 (72)	130 (98)	20 (20)
	2-Chloronaphthalene	50	41.0	ug/L	82	3			70 (59)	130 (106)	20 (20)
	2-Nitroaniline	50	43.2	ug/L	86	5			70 (73)	130 (114)	20 (20)
	Dimethylphthalate	50	43.0	ug/L	86	5			70 (64)	130 (103)	20 (20)
	Acenaphthylene	50	41.8	ug/L	84	1			70 (79)	130 (103)	20 (20)
	2,6-Dinitrotoluene	50	44.6	ug/L	89	4			70 (64)	130 (110)	20 (20)
	3-Nitroaniline	50	19.1	ug/L	38	6	*		70 (28)	130 (100)	20 (20)
	Acenaphthene	50	46.3	ug/L	93	2			70 (59)	130 (113)	20 (20)
	Dibenzofuran	50	41.7	ug/L	83	4			70 (65)	130 (106)	20 (20)
	2,4-Dinitrotoluene	50	47.2	ug/L	94	4			70 (60)	130 (115)	20 (20)
	Diethylphthalate	50	43.4	ug/L	87	5			70 (63)	130 (105)	20 (20)
	4-Chlorophenyl-phenylether	50	41.8	ug/L	84	4			70 (61)	130 (104)	20 (20)
	Fluorene	50	42.0	ug/L	84	3			70 (64)	130 (107)	20 (20)
	4-Nitroaniline	50	46.0	ug/L	92	8			70 (55)	130 (125)	20 (20)
	N-Nitrosodiphenylamine	50	41.5	ug/L	83	0			70 (61)	130 (109)	20 (20)
	4-Bromophenyl-phenylether	50	41.8	ug/L	84	1			70 (73)	130 (103)	20 (20)
	Hexachlorobenzene	50	41.5	ug/L	83	3			70 (73)	130 (106)	20 (20)
	Atrazine	50	47.4	ug/L	95	7			70 (76)	130 (120)	20 (20)
	Phenanthrene	50	41.6	ug/L	83	4			70 (62)	130 (109)	20 (20)
	Anthracene	50	41.6	ug/L	83	3			70 (65)	130 (110)	20 (20)
	Carbazole	50	43.8	ug/L	88	5			70 (62)	130 (106)	20 (20)
	Di-n-butylphthalate	50	46.3	ug/L	93	5			70 (64)	130 (106)	20 (20)
	Fluoranthene	50	44.8	ug/L	90	6			70 (64)	130 (110)	20 (20)
	Pyrene	50	43.1	ug/L	86	1			70 (71)	130 (103)	20 (20)
	Butylbenzylphthalate	50	49.7	ug/L	99	6			70 (61)	130 (105)	20 (20)
	3,3-Dichlorobenzidine	50	16.5	ug/L	33	2	*		70 (43)	130 (108)	20 (20)
	Benzo(a)anthracene	50	43.6	ug/L	87	1			70 (62)	130 (107)	20 (20)
	Chrysene	50	42.8	ug/L	86	3			70 (61)	130 (108)	20 (20)
	bis(2-Ethylhexyl)phthalate	50	48.3	ug/L	97	1			70 (59)	130 (110)	20 (20)

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2114

Client: G Environmental

Analytical Method: 8270E DataFile: BF142557.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Limits		
							Qual	Qual	Low	High	RPD
PB168143BSD	Di-n-octyl phthalate	50	41.8	ug/L	84	10			70 (52)	130 (139)	20 (20)
	Benzo(b)fluoranthene	50	42.5	ug/L	85	4			70 (77)	130 (113)	20 (20)
	Benzo(k)fluoranthene	50	43.4	ug/L	87	5			70 (77)	130 (105)	20 (20)
	Benzo(a)pyrene	50	43.9	ug/L	88	3			70 (72)	130 (131)	20 (20)
	Indeno(1,2,3-cd)pyrene	50	42.4	ug/L	85	0			70 (72)	130 (105)	20 (20)
	Dibenz(a,h)anthracene	50	42.7	ug/L	85	0			70 (78)	130 (115)	20 (20)
	Benzo(g,h,i)perylene	50	42.4	ug/L	85	0			70 (75)	130 (118)	20 (20)
	1,2,4,5-Tetrachlorobenzene	50	41.1	ug/L	82	1			70 (72)	130 (101)	20 (20)
	1,4-Dioxane	50	35.5	ug/L	71	3			20 (38)	160 (125)	20 (20)

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168143BL

Lab Name: CHEMTECH

Contract: GENV01

Lab Code: CHEM Case No.: Q2114

SAS No.: Q2114 SDG NO.: Q2114

Lab File ID: BF142555.D

Lab Sample ID: PB168143BL

Instrument ID: BNA_F

Date Extracted: 05/23/2025

Matrix: (soil/water) Water

Date Analyzed: 05/27/2025

Level: (low/med) LOW

Time Analyzed: 11:42

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB168143BS	PB168143BS	BF142556.D	05/27/2025
PB168143BSD	PB168143BSD	BF142557.D	05/27/2025
GAW1	Q2114-01	BF142538.D	05/23/2025

COMMENTS: _____

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: GENV01

Lab Code: CHEM

SAS No.: Q2114

SDG NO.: Q2114

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: GENV01

Lab Code: CHEM

SAS No.: Q2114 SDG NO.: Q2114

Lab File ID: BF142526.D

DFTPP Injection Date: 05/23/2025

Instrument ID: BNA_F

DFTPP Injection Time: 10:43

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	38.2
68	Less than 2.0% of mass 69	0.5 (1.7) 1
69	Mass 69 relative abundance	34.0
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	45.9
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	6.8
275	10.0 - 60.0% of mass 198	29.9
365	Greater than 1% of mass 198	4.1
441	Present, but less than mass 443	20.2
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.5 (19.5) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF142527.D	05/23/2025	11:12
GAW1	Q2114-01	BF142538.D	05/23/2025	16:34

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: GENV01

Lab Code: CHEM

SAS No.: Q2114 SDG NO.: Q2114

Lab File ID: BF142551.D

DFTPP Injection Date: 05/27/2025

Instrument ID: BNA_F

DFTPP Injection Time: 09:47

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	37.2
68	Less than 2.0% of mass 69	0.4 (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	45.3
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	31.4
365	Greater than 1% of mass 198	4.2
441	Present, but less than mass 443	22.5
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.6 (19.6) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF142552.D	05/27/2025	10:15
PB168143BL	PB168143BL	BF142555.D	05/27/2025	11:42
PB168143BS	PB168143BS	BF142556.D	05/27/2025	12:11
PB168143BSD	PB168143BSD	BF142557.D	05/27/2025	12:39

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2114 SAS No.: Q2114 SDG NO.: Q2114

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

Lab File ID: BF142527.D Time Analyzed: 11:12

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	102129	6.898	402339	8.19	219662	9.94
UPPER LIMIT	204258	7.398	804678	8.686	439324	10.439
LOWER LIMIT	51064.5	6.398	201170	7.686	109831	9.439
EPA SAMPLE NO.						
01 GAW1	110775	6.89	424977	8.18	230675	9.93

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2114 SAS No.: Q2114 SDG NO.: Q2114

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

Lab File ID: BF142527.D Time Analyzed: 11:12

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	382968	11.427	205798	14.068	210218	15.562
UPPER LIMIT	765936	11.927	411596	14.568	420436	16.062
LOWER LIMIT	191484	10.927	102899	13.568	105109	15.062
EPA SAMPLE NO.						
01 GAW1	378406	11.42	217517	14.06	218747	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.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2114 SAS No.: Q2114 SDG NO.: Q2114

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/27/2025

Lab File ID: BF142552.D Time Analyzed: 10:15

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	106761	6.898	418300	8.19	232077	9.94
UPPER LIMIT	213522	7.398	836600	8.686	464154	10.439
LOWER LIMIT	53380.5	6.398	209150	7.686	116039	9.439
EPA SAMPLE NO.						
01 PB168143BL	109703	6.90	422020	8.18	239387	9.93
02 PB168143BS	120106	6.90	472385	8.19	264185	9.94
03 PB168143BSD	110909	6.90	436992	8.19	243793	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.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2114 SAS No.: Q2114 SDG NO.: Q2114

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/27/2025

Lab File ID: BF142552.D Time Analyzed: 10:15

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	411171	11.427	239311	14.068	215066	15.562
UPPER LIMIT	822342	11.927	478622	14.568	430132	16.062
LOWER LIMIT	205586	10.927	119656	13.568	107533	15.062
EPA SAMPLE NO.						
01 PB168143BL	439419	11.42	295396	14.06	234182	15.56
02 PB168143BS	473279	11.43	277045	14.07	252806	15.56
03 PB168143BSD	424557	11.43	233295	14.07	236170	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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Mt. Holly	Date Received:	
Client Sample ID:	PB168143BL	SDG No.:	Q2114
Lab Sample ID:	PB168143BL	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BF142555.D	1	05/23/25 08:31	05/27/25 11:42	PB168143

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Mt. Holly	Date Received:	
Client Sample ID:	PB168143BL	SDG No.:	Q2114
Lab Sample ID:	PB168143BL	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BF142555.D	1	05/23/25 08:31	05/27/25 11:42	PB168143

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

367-12-4	2-Fluorophenol	125		15 (10) - 110 (139)	84%	SPK: 150
13127-88-3	Phenol-d6	126		15 (10) - 110 (134)	84%	SPK: 150
4165-60-0	Nitrobenzene-d5	78.4		30 (49) - 130 (133)	78%	SPK: 100
321-60-8	2-Fluorobiphenyl	73.4		30 (52) - 130 (132)	73%	SPK: 100
118-79-6	2,4,6-Tribromophenol	133		15 (44) - 110 (137)	89%	SPK: 150

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Mt. Holly	Date Received:	
Client Sample ID:	PB168143BL	SDG No.:	Q2114
Lab Sample ID:	PB168143BL	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BF142555.D	1	05/23/25 08:31	05/27/25 11:42	PB168143

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1718-51-0	Terphenyl-d14	69.5		30 (48) - 130 (125)	70%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	110000	6.899			
1146-65-2	Naphthalene-d8	422000	8.181			
15067-26-2	Acenaphthene-d10	239000	9.934			
1517-22-2	Phenanthrene-d10	439000	11.422			
1719-03-5	Chrysene-d12	295000	14.063			
1520-96-3	Perylene-d12	234000	15.557			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	2.10	J		2.25	ug/L
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	9.80	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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Mt. Holly	Date Received:	
Client Sample ID:	PB168143BS	SDG No.:	Q2114
Lab Sample ID:	PB168143BS	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BF142556.D	1	05/23/25 08:31	05/27/25 12:11	PB168143

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	38.4		3.90	10.0	ug/L
111-44-4	bis(2-Chloroethyl)ether	43.8		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	42.5		0.74	5.00	ug/L
621-64-7	n-Nitroso-di-n-propylamine	42.0		1.40	2.50	ug/L
67-72-1	Hexachloroethane	41.6		0.65	5.00	ug/L
98-95-3	Nitrobenzene	43.0		0.76	5.00	ug/L
78-59-1	Isophorone	42.7		0.75	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	43.4		0.68	5.00	ug/L
91-20-3	Naphthalene	42.4		0.50	5.00	ug/L
106-47-8	4-Chloroaniline	8.50		0.84	5.00	ug/L
87-68-3	Hexachlorobutadiene	41.3		0.54	5.00	ug/L
105-60-2	Caprolactam	51.1		1.10	10.0	ug/L
91-57-6	2-Methylnaphthalene	42.0		0.56	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	84.7	E	3.60	10.0	ug/L
92-52-4	1,1-Biphenyl	41.7		0.53	5.00	ug/L
91-58-7	2-Chloronaphthalene	42.4		0.61	5.00	ug/L
88-74-4	2-Nitroaniline	45.5		1.30	5.00	ug/L
131-11-3	Dimethylphthalate	45.2		0.61	5.00	ug/L
208-96-8	Acenaphthylene	42.4		0.75	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	46.3		0.92	5.00	ug/L
99-09-2	3-Nitroaniline	20.2		1.10	5.00	ug/L
83-32-9	Acenaphthene	47.4		0.55	5.00	ug/L
132-64-9	Dibenzofuran	43.2		0.61	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	49.3		1.20	5.00	ug/L
84-66-2	Diethylphthalate	45.5		0.69	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	43.5		0.68	5.00	ug/L
86-73-7	Fluorene	43.1		0.63	5.00	ug/L
100-01-6	4-Nitroaniline	49.9		1.50	5.00	ug/L

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Mt. Holly	Date Received:	
Client Sample ID:	PB168143BS	SDG No.:	Q2114
Lab Sample ID:	PB168143BS	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BF142556.D	1	05/23/25 08:31	05/27/25 12:11	PB168143

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
86-30-6	n-Nitrosodiphenylamine	41.6		0.58	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	42.1		0.40	5.00	ug/L
118-74-1	Hexachlorobenzene	42.9		0.52	5.00	ug/L
1912-24-9	Atrazine	50.6		1.00	5.00	ug/L
85-01-8	Phenanthrene	43.1		0.50	5.00	ug/L
120-12-7	Anthracene	42.7		0.61	5.00	ug/L
86-74-8	Carbazole	45.9		0.72	5.00	ug/L
84-74-2	Di-n-butylphthalate	48.6		1.20	5.00	ug/L
206-44-0	Fluoranthene	47.6		0.82	5.00	ug/L
129-00-0	Pyrene	43.6		0.50	5.00	ug/L
85-68-7	Butylbenzylphthalate	52.6		1.90	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	16.1		0.93	10.0	ug/L
56-55-3	Benzo(a)anthracene	43.9		0.45	5.00	ug/L
218-01-9	Chrysene	44.2		0.44	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	47.8		1.60	5.00	ug/L
117-84-0	Di-n-octyl phthalate	37.9		2.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	44.4		0.49	5.00	ug/L
207-08-9	Benzo(k)fluoranthene	45.7		0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	45.2		0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	42.4		0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	42.8		0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	42.5		0.69	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	41.6		0.52	5.00	ug/L
123-91-1	1,4-Dioxane	36.5		1.00	5.00	ug/L

SURROGATES

367-12-4	2-Fluorophenol	120	15 (10) - 110 (139)	80%	SPK: 150
13127-88-3	Phenol-d6	124	15 (10) - 110 (134)	83%	SPK: 150
4165-60-0	Nitrobenzene-d5	75.5	30 (49) - 130 (133)	76%	SPK: 100
321-60-8	2-Fluorobiphenyl	71.3	30 (52) - 130 (132)	71%	SPK: 100
118-79-6	2,4,6-Tribromophenol	132	15 (44) - 110 (137)	88%	SPK: 150

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Mt. Holly	Date Received:	
Client Sample ID:	PB168143BS	SDG No.:	Q2114
Lab Sample ID:	PB168143BS	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BF142556.D	1	05/23/25 08:31	05/27/25 12:11	PB168143

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1718-51-0	Terphenyl-d14	75.5		30 (48) - 130 (125)	75%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	120000	6.898
1146-65-2	Naphthalene-d8	472000	8.186
15067-26-2	Acenaphthene-d10	264000	9.939
1517-22-2	Phenanthrene-d10	473000	11.427
1719-03-5	Chrysene-d12	277000	14.074
1520-96-3	Perylene-d12	253000	15.562

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Mt. Holly	Date Received:	
Client Sample ID:	PB168143BSD	SDG No.:	Q2114
Lab Sample ID:	PB168143BSD	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BF142557.D	1	05/23/25 08:31	05/27/25 12:39	PB168143

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	37.9		3.90	10.0	ug/L
111-44-4	bis(2-Chloroethyl)ether	42.5		0.81	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	42.5		1.30	5.00	ug/L
98-86-2	Acetophenone	41.5		0.74	5.00	ug/L
621-64-7	n-Nitroso-di-n-propylamine	42.0		1.40	2.50	ug/L
67-72-1	Hexachloroethane	41.2		0.65	5.00	ug/L
98-95-3	Nitrobenzene	42.0		0.76	5.00	ug/L
78-59-1	Isophorone	41.8		0.75	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	42.5		0.68	5.00	ug/L
91-20-3	Naphthalene	41.9		0.50	5.00	ug/L
106-47-8	4-Chloroaniline	9.20		0.84	5.00	ug/L
87-68-3	Hexachlorobutadiene	40.7		0.54	5.00	ug/L
105-60-2	Caprolactam	48.0		1.10	10.0	ug/L
91-57-6	2-Methylnaphthalene	41.7		0.56	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	84.1	E	3.60	10.0	ug/L
92-52-4	1,1-Biphenyl	40.7		0.53	5.00	ug/L
91-58-7	2-Chloronaphthalene	41.0		0.61	5.00	ug/L
88-74-4	2-Nitroaniline	43.2		1.30	5.00	ug/L
131-11-3	Dimethylphthalate	43.0		0.61	5.00	ug/L
208-96-8	Acenaphthylene	41.8		0.75	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	44.6		0.92	5.00	ug/L
99-09-2	3-Nitroaniline	19.1		1.10	5.00	ug/L
83-32-9	Acenaphthene	46.3		0.55	5.00	ug/L
132-64-9	Dibenzofuran	41.7		0.61	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	47.2		1.20	5.00	ug/L
84-66-2	Diethylphthalate	43.4		0.69	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	41.8		0.68	5.00	ug/L
86-73-7	Fluorene	42.0		0.63	5.00	ug/L
100-01-6	4-Nitroaniline	46.0		1.50	5.00	ug/L

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Mt. Holly	Date Received:	
Client Sample ID:	PB168143BSD	SDG No.:	Q2114
Lab Sample ID:	PB168143BSD	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BF142557.D	1	05/23/25 08:31	05/27/25 12:39	PB168143

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
86-30-6	n-Nitrosodiphenylamine	41.5		0.58	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	41.8		0.40	5.00	ug/L
118-74-1	Hexachlorobenzene	41.5		0.52	5.00	ug/L
1912-24-9	Atrazine	47.4		1.00	5.00	ug/L
85-01-8	Phenanthrene	41.6		0.50	5.00	ug/L
120-12-7	Anthracene	41.6		0.61	5.00	ug/L
86-74-8	Carbazole	43.8		0.72	5.00	ug/L
84-74-2	Di-n-butylphthalate	46.3		1.20	5.00	ug/L
206-44-0	Fluoranthene	44.8		0.82	5.00	ug/L
129-00-0	Pyrene	43.1		0.50	5.00	ug/L
85-68-7	Butylbenzylphthalate	49.7		1.90	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	16.5		0.93	10.0	ug/L
56-55-3	Benzo(a)anthracene	43.6		0.45	5.00	ug/L
218-01-9	Chrysene	42.8		0.44	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	48.3		1.60	5.00	ug/L
117-84-0	Di-n-octyl phthalate	41.8		2.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	42.5		0.49	5.00	ug/L
207-08-9	Benzo(k)fluoranthene	43.4		0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	43.9		0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	42.4		0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	42.7		0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	42.4		0.69	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	41.1		0.52	5.00	ug/L
123-91-1	1,4-Dioxane	35.5		1.00	5.00	ug/L

SURROGATES

367-12-4	2-Fluorophenol	119	15 (10) - 110 (139)	79%	SPK: 150
13127-88-3	Phenol-d6	121	15 (10) - 110 (134)	80%	SPK: 150
4165-60-0	Nitrobenzene-d5	73.8	30 (49) - 130 (133)	74%	SPK: 100
321-60-8	2-Fluorobiphenyl	70.7	30 (52) - 130 (132)	71%	SPK: 100
118-79-6	2,4,6-Tribromophenol	127	15 (44) - 110 (137)	84%	SPK: 150

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Mt. Holly	Date Received:	
Client Sample ID:	PB168143BSD	SDG No.:	Q2114
Lab Sample ID:	PB168143BSD	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BF142557.D	1	05/23/25 08:31	05/27/25 12:39	PB168143

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1718-51-0	Terphenyl-d14	75.0		30 (48) - 130 (125)	75%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	111000	6.898			
1146-65-2	Naphthalene-d8	437000	8.186			
15067-26-2	Acenaphthene-d10	244000	9.939			
1517-22-2	Phenanthrene-d10	425000	11.427			
1719-03-5	Chrysene-d12	233000	14.074			
1520-96-3	Perylene-d12	236000	15.562			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



CALIBRATION SUMMARY

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 =BF142474.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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2114 SAS No.: Q2114 SDG No.: Q2114

Instrument ID: BNA_F Calibration Date/Time: 05/23/2025 11:12

Lab File ID: BF142527.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	1.152		-2.9	
Benzaldehyde	0.859	0.837		-2.6	
Phenol-d6	1.429	1.392		-2.6	
bis(2-Chloroethyl)ether	1.157	1.112		-3.9	
2,2-oxybis(1-Chloropropane)	1.944	1.901		-2.2	
Acetophenone	0.443	0.427		-3.6	
n-Nitroso-di-n-propylamine	0.886	0.848	0.050	-4.3	
Nitrobenzene-d5	0.367	0.350		-4.6	
Hexachloroethane	0.507	0.478		-5.7	
Nitrobenzene	0.331	0.318		-3.9	
Isophorone	0.613	0.580		-5.4	
bis(2-Chloroethoxy)methane	0.383	0.365		-4.7	
Naphthalene	0.985	0.937		-4.9	
4-Chloroaniline	0.399	0.390		-2.3	
Hexachlorobutadiene	0.192	0.178		-7.3	20.0
Caprolactam	0.080	0.084		5.0	
2-Methylnaphthalene	0.620	0.586		-5.5	
Hexachlorocyclopentadiene	0.387	0.374	0.050	-3.4	
2-Fluorobiphenyl	1.490	1.386		-7.0	
1,1-Biphenyl	1.552	1.477		-4.8	
2-Chloronaphthalene	1.146	1.093		-4.6	
2-Nitroaniline	0.331	0.326		-1.5	
Dimethylphthalate	1.320	1.270		-3.8	
Acenaphthylene	1.936	1.847		-4.6	
2,6-Dinitrotoluene	0.285	0.275		-3.5	
3-Nitroaniline	0.311	0.314		1.0	
Acenaphthene	1.182	1.124		-4.9	20.0
Dibenzofuran	1.701	1.625		-4.5	
2,4-Dinitrotoluene	0.372	0.376		1.1	
Diethylphthalate	1.289	1.248		-3.2	
4-Chlorophenyl-phenylether	0.646	0.620		-4.0	
Fluorene	1.314	1.263		-3.9	
4-Nitroaniline	0.282	0.300		6.4	
n-Nitrosodiphenylamine	0.684	0.633		-7.5	20.0
2,4,6-Tribromophenol	0.222	0.216		-2.7	
4-Bromophenyl-phenylether	0.236	0.214		-9.3	
Hexachlorobenzene	0.262	0.242		-7.6	
Atrazine	0.182	0.183		0.5	
Phenanthrene	1.069	1.006		-5.9	

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2114 SAS No.: Q2114 SDG No.: Q2114

Instrument ID: BNA_F Calibration Date/Time: 05/23/2025 11:12

Lab File ID: BF142527.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	1.036		-5.0	
Carbazole	0.933	0.921		-1.3	
Di-n-butylphthalate	1.021	1.043		2.2	
Fluoranthene	0.999	0.980		-1.9	20.0
Pyrene	1.866	1.802		-3.4	
Terphenyl-d14	1.464	1.397		-4.6	
Butylbenzylphthalate	0.516	0.553		7.2	
3,3-Dichlorobenzidine	0.405	0.413		2.0	
Benzo(a)anthracene	1.336	1.324		-0.9	
Chrysene	1.200	1.134		-5.5	
Bis(2-ethylhexyl)phthalate	0.660	0.677		2.6	
Di-n-octyl phthalate	1.290	1.118		-13.3	20.0
Benzo(b)fluoranthene	1.184	1.171		-1.1	
Benzo(k)fluoranthene	1.109	0.983		-11.4	
Benzo(a)pyrene	1.116	1.065		-4.6	20.0
Indeno(1,2,3-cd)pyrene	1.501	1.373		-8.5	
Dibenzo(a,h)anthracene	1.218	1.112		-8.7	
Benzo(g,h,i)perylene	1.218	1.127		-7.5	
1,2,4,5-Tetrachlorobenzene	0.574	0.550		-4.2	
1,4-Dioxane	0.475	0.471		-0.8	20.0

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2114 SAS No.: Q2114 SDG No.: Q2114

Instrument ID: BNA_F Calibration Date/Time: 05/27/2025 10:15

Lab File ID: BF142552.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	1.141		-3.9	
Benzaldehyde	0.859	0.837		-2.6	
Phenol-d6	1.429	1.377		-3.6	
bis(2-Chloroethyl)ether	1.157	1.109		-4.1	
2,2-oxybis(1-Chloropropane)	1.944	1.867		-4.0	
Acetophenone	0.443	0.418		-5.6	
n-Nitroso-di-n-propylamine	0.886	0.841	0.050	-5.1	
Nitrobenzene-d5	0.367	0.350		-4.6	
Hexachloroethane	0.507	0.472		-6.9	
Nitrobenzene	0.331	0.320		-3.3	
Isophorone	0.613	0.588		-4.1	
bis(2-Chloroethoxy)methane	0.383	0.363		-5.2	
Naphthalene	0.985	0.929		-5.7	
4-Chloroaniline	0.399	0.389		-2.5	
Hexachlorobutadiene	0.192	0.181		-5.7	20.0
Caprolactam	0.080	0.086		7.5	
2-Methylnaphthalene	0.620	0.582		-6.1	
Hexachlorocyclopentadiene	0.387	0.355	0.050	-8.3	
2-Fluorobiphenyl	1.490	1.346		-9.7	
1,1-Biphenyl	1.552	1.446		-6.8	
2-Chloronaphthalene	1.146	1.073		-6.4	
2-Nitroaniline	0.331	0.332		0.3	
Dimethylphthalate	1.320	1.258		-4.7	
Acenaphthylene	1.936	1.837		-5.1	
2,6-Dinitrotoluene	0.285	0.277		-2.8	
3-Nitroaniline	0.311	0.314		1.0	
Acenaphthene	1.182	1.108		-6.3	20.0
Dibenzofuran	1.701	1.614		-5.1	
2,4-Dinitrotoluene	0.372	0.384		3.2	
Diethylphthalate	1.289	1.240		-3.8	
4-Chlorophenyl-phenylether	0.646	0.611		-5.4	
Fluorene	1.314	1.253		-4.6	
4-Nitroaniline	0.282	0.312		10.6	
n-Nitrosodiphenylamine	0.684	0.625		-8.6	20.0
2,4,6-Tribromophenol	0.222	0.219		-1.4	
4-Bromophenyl-phenylether	0.236	0.216		-8.5	
Hexachlorobenzene	0.262	0.242		-7.6	
Atrazine	0.182	0.185		1.6	
Phenanthrene	1.069	1.009		-5.6	

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2114 SAS No.: Q2114 SDG No.: Q2114

Instrument ID: BNA_F Calibration Date/Time: 05/27/2025 10:15

Lab File ID: BF142552.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	1.027		-5.9	
Carbazole	0.933	0.922		-1.2	
Di-n-butylphthalate	1.021	1.036		1.5	
Fluoranthene	0.999	1.034		3.5	20.0
Pyrene	1.866	1.741		-6.7	
Terphenyl-d14	1.464	1.339		-8.5	
Butylbenzylphthalate	0.516	0.552		7.0	
3,3-Dichlorobenzidine	0.405	0.399		-1.5	
Benzo(a)anthracene	1.336	1.296		-3.0	
Chrysene	1.200	1.105		-7.9	
Bis(2-ethylhexyl)phthalate	0.660	0.646		-2.1	
Di-n-octyl phthalate	1.290	1.042		-19.2	20.0
Benzo(b)fluoranthene	1.184	1.236		4.4	
Benzo(k)fluoranthene	1.109	0.974		-12.2	
Benzo(a)pyrene	1.116	1.070		-4.1	20.0
Indeno(1,2,3-cd)pyrene	1.501	1.390		-7.4	
Dibenzo(a,h)anthracene	1.218	1.127		-7.5	
Benzo(g,h,i)perylene	1.218	1.132		-7.1	
1,2,4,5-Tetrachlorobenzene	0.574	0.532		-7.3	
1,4-Dioxane	0.475	0.460		-3.2	20.0

All other compounds must meet a minimum RRF of 0.010.



SAMPLE RAW DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052325\
Data File : BF142538.D
Acq On : 23 May 2025 16:34
Operator : RC/JU
Sample : Q2114-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GAW1

Quant Time: May 23 17:34:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

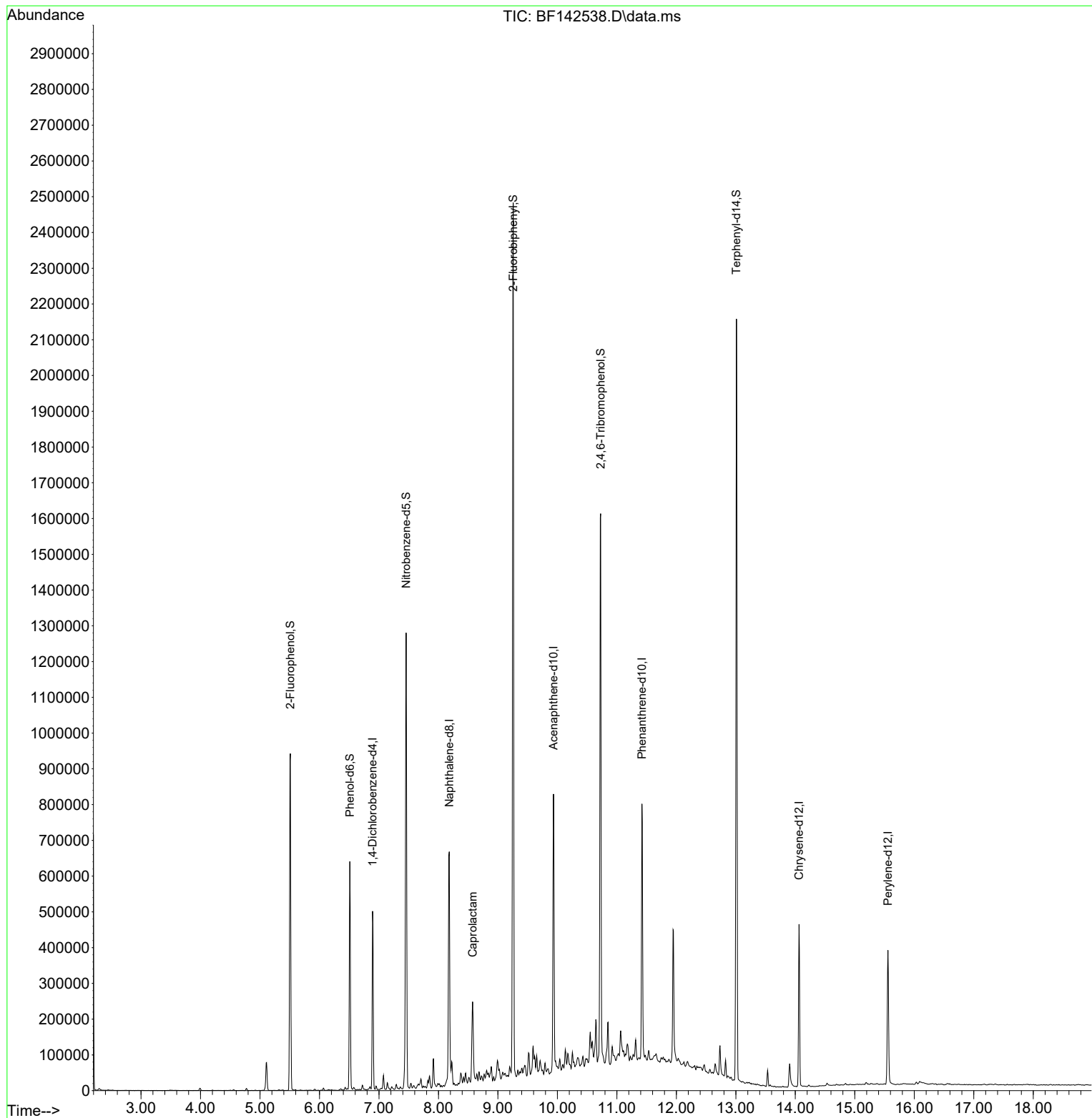
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	110775	20.000	ng	-0.01
21) Naphthalene-d8	8.181	136	424977	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	230675	20.000	ng	-0.01
64) Phenanthrene-d10	11.421	188	378406	20.000	ng	-0.01
76) Chrysene-d12	14.062	240	217517	20.000	ng	-0.01
86) Perylene-d12	15.556	264	218747	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	368652	56.068	ng	0.00
7) Phenol-d6	6.510	99	280623	35.455	ng	-0.02
23) Nitrobenzene-d5	7.457	82	552213	70.854	ng	-0.02
42) 2,4,6-Tribromophenol	10.727	330	288655	112.747	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	1139403	66.280	ng	-0.01
79) Terphenyl-d14	13.010	244	1038535	65.246	ng	0.00
Target Compounds						
35) Caprolactam	8.575	113	35964	21.258	ng	Qvalue 95

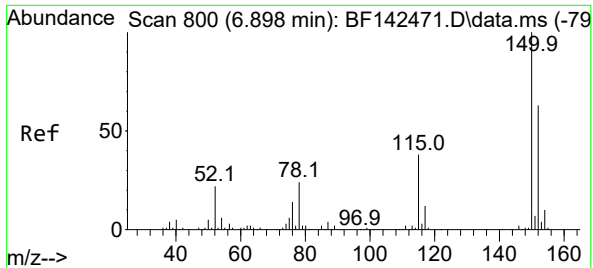
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052325\
Data File : BF142538.D
Acq On : 23 May 2025 16:34
Operator : RC/JU
Sample : Q2114-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GAW1

Quant Time: May 23 17:34:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

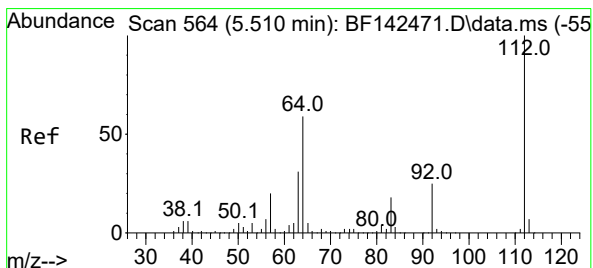
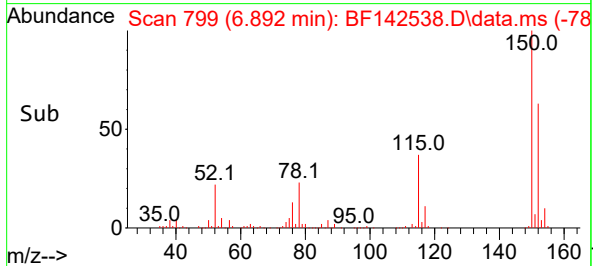
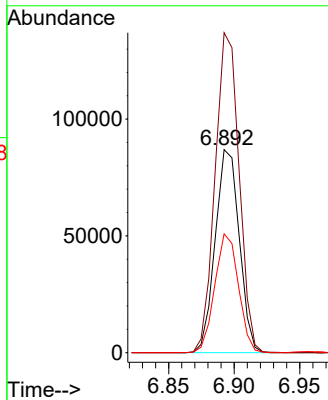
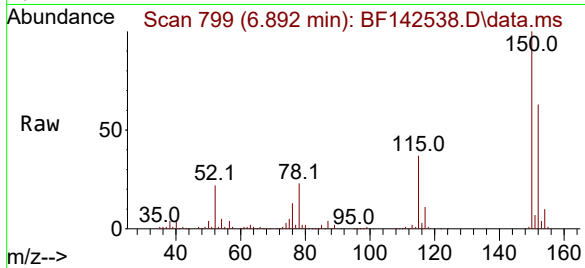




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 79
Delta R.T. -0.012 min
Lab File: BF142538.D
Acq: 23 May 2025 16:34

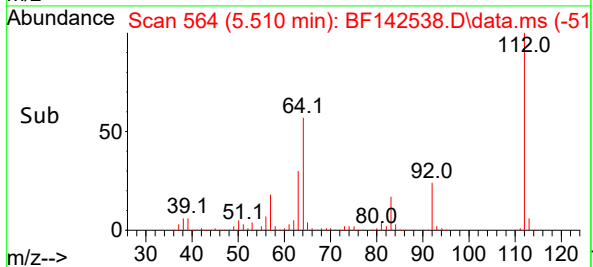
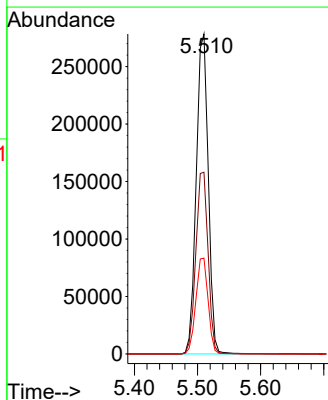
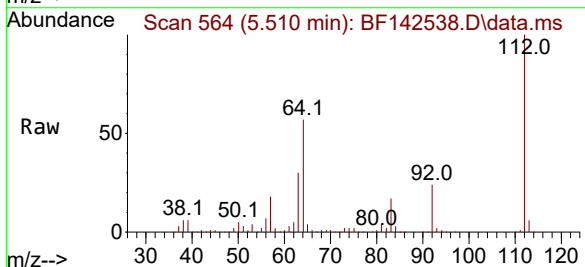
Instrument :
BNA_F
ClientSampleId :
GAW1

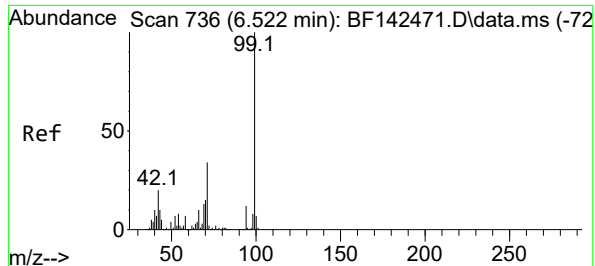
Tgt Ion:152 Resp: 110775
Ion Ratio Lower Upper
152 100
150 157.6 128.2 192.4
115 58.6 48.3 72.5



#5
2-Fluorophenol
Concen: 56.068 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.006 min
Lab File: BF142538.D
Acq: 23 May 2025 16:34

Tgt Ion:112 Resp: 368652
Ion Ratio Lower Upper
112 100
64 56.8 47.5 71.3
63 30.0 24.9 37.3





#7

Phenol-d6

Concen: 35.455 ng

RT: 6.510 min Scan# 71

Delta R.T. -0.024 min

Lab File: BF142538.D

Acq: 23 May 2025 16:34

Instrument :

BNA_F

ClientSampleId :

GAW1

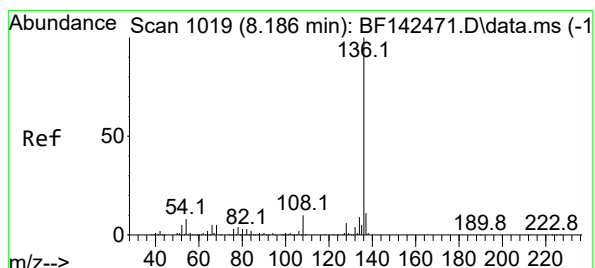
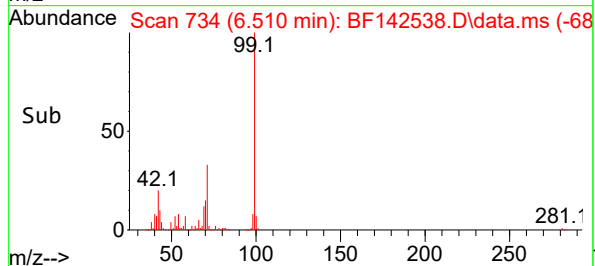
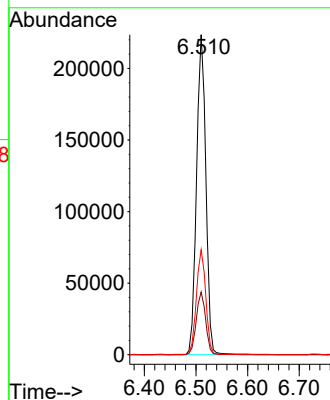
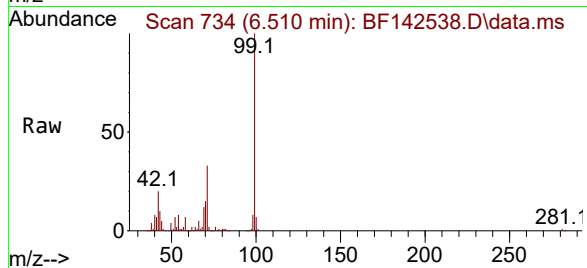
Tgt Ion: 99 Resp: 280623

Ion Ratio Lower Upper

99 100

42 19.6 16.2 24.2

71 32.8 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: BF142538.D

Acq: 23 May 2025 16:34

Tgt Ion: 136 Resp: 424977

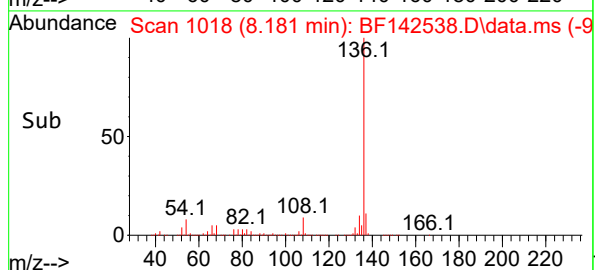
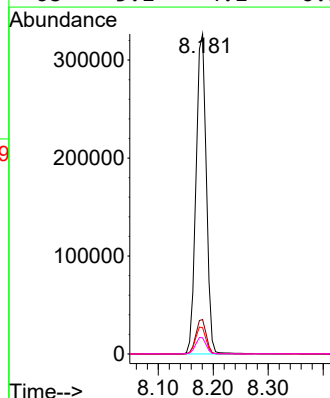
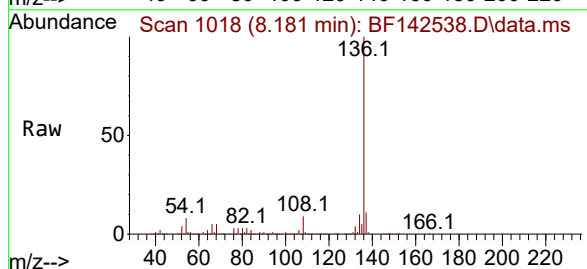
Ion Ratio Lower Upper

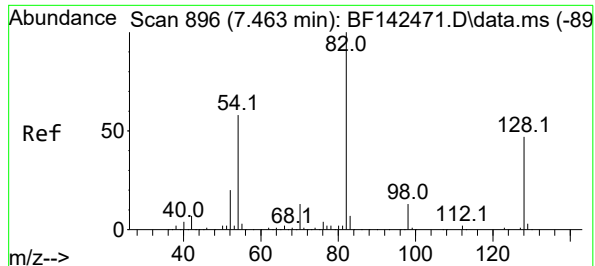
136 100

137 10.7 8.6 13.0

54 8.2 6.6 10.0

68 5.1 4.1 6.1





#23

Nitrobenzene-d5

Concen: 70.854 ng

RT: 7.457 min Scan# 89

Delta R.T. -0.018 min

Lab File: BF142538.D

Acq: 23 May 2025 16:34

Instrument :

BNA_F

ClientSampleId :

GAW1

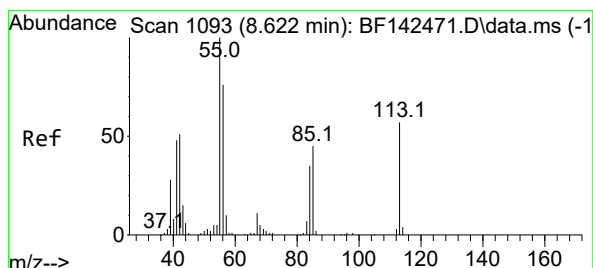
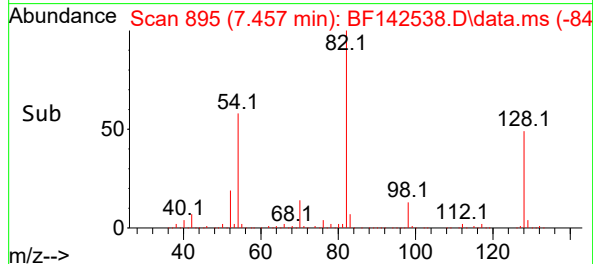
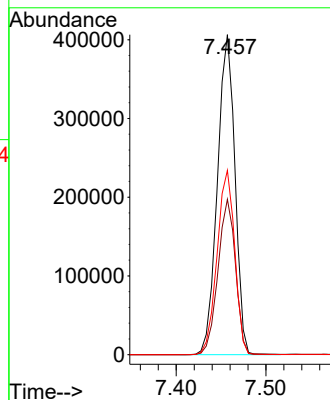
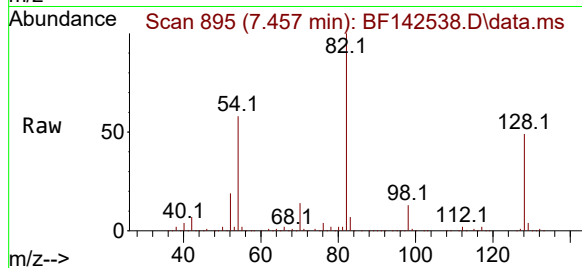
Tgt Ion: 82 Resp: 552213

Ion Ratio Lower Upper

82 100

128 48.6 37.4 56.2

54 57.6 46.6 70.0



#35

Caprolactam

Concen: 21.258 ng

RT: 8.575 min Scan# 1085

Delta R.T. -0.071 min

Lab File: BF142538.D

Acq: 23 May 2025 16:34

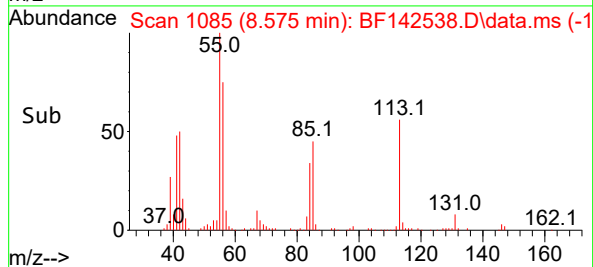
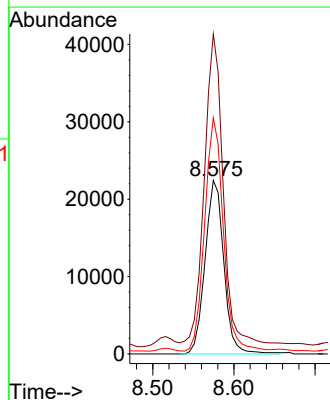
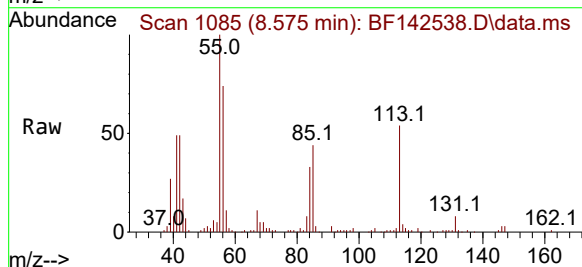
Tgt Ion: 113 Resp: 35964

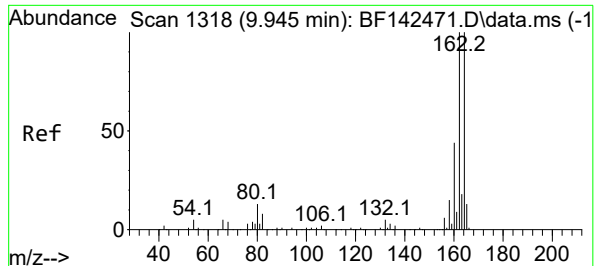
Ion Ratio Lower Upper

113 100

55 184.3 154.7 194.7

56 136.1 113.2 153.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.933 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF142538.D

Acq: 23 May 2025 16:34

Instrument :

BNA_F

ClientSampleId :

GAW1

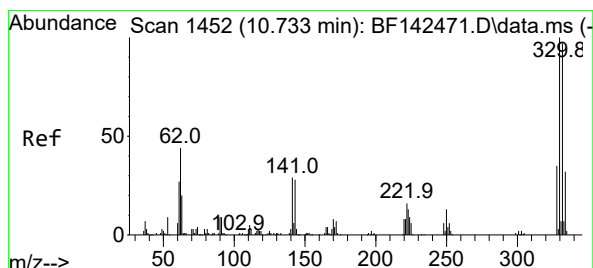
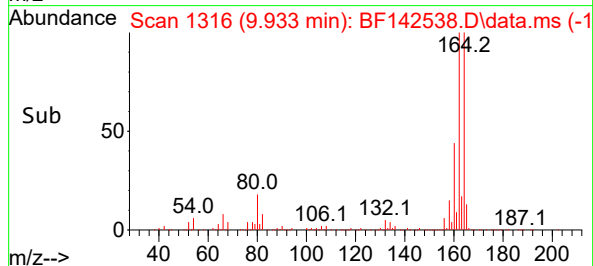
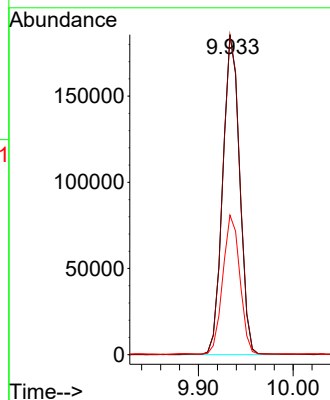
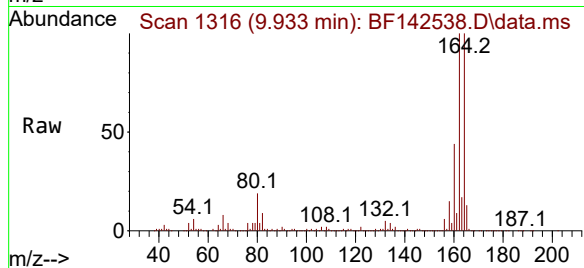
Tgt Ion:164 Resp: 230675

Ion Ratio Lower Upper

164 100

162 99.9 80.2 120.4

160 43.6 35.6 53.4



#42

2,4,6-Tribromophenol

Concen: 112.747 ng

RT: 10.727 min Scan# 1451

Delta R.T. -0.012 min

Lab File: BF142538.D

Acq: 23 May 2025 16:34

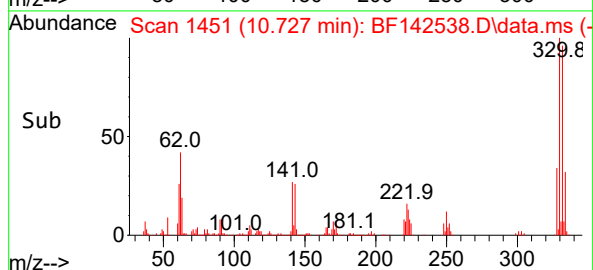
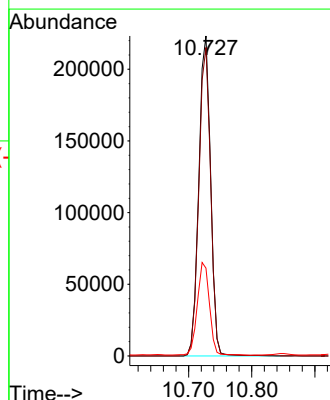
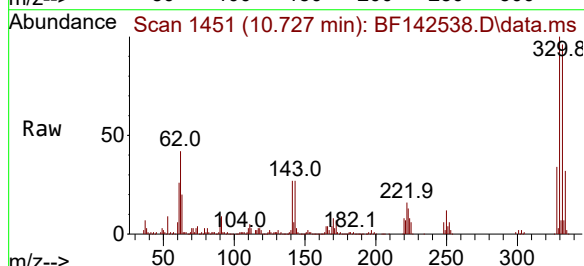
Tgt Ion:330 Resp: 288655

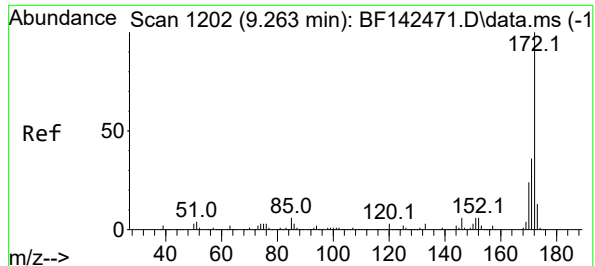
Ion Ratio Lower Upper

330 100

332 96.4 77.6 116.4

141 29.8 24.6 36.8





#45

2-Fluorobiphenyl

Concen: 66.280 ng

RT: 9.257 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF142538.D

Acq: 23 May 2025 16:34

Instrument :

BNA_F

ClientSampleId :

GAW1

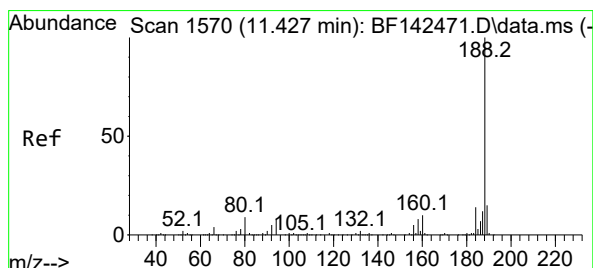
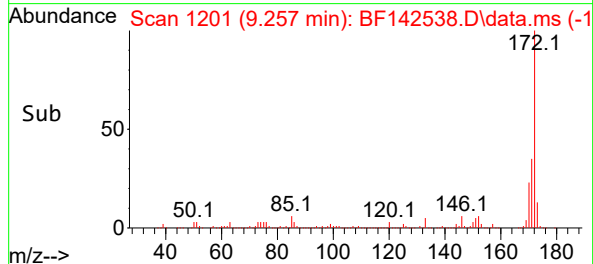
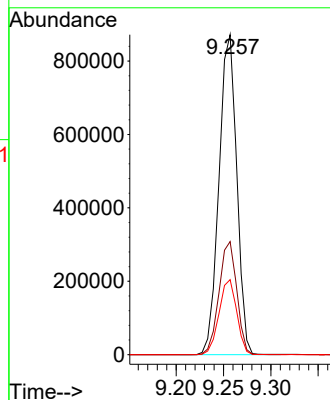
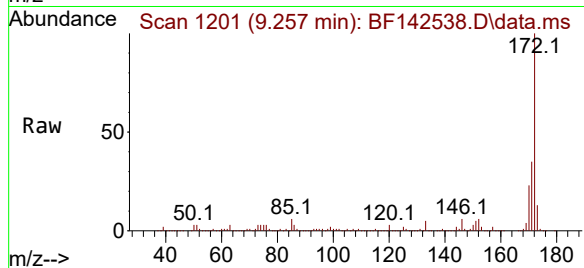
Tgt Ion:172 Resp: 1139403

Ion Ratio Lower Upper

172 100

171 35.3 28.6 42.8

170 23.4 18.9 28.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.421 min Scan# 1569

Delta R.T. -0.012 min

Lab File: BF142538.D

Acq: 23 May 2025 16:34

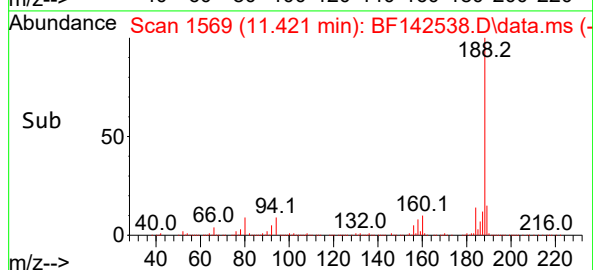
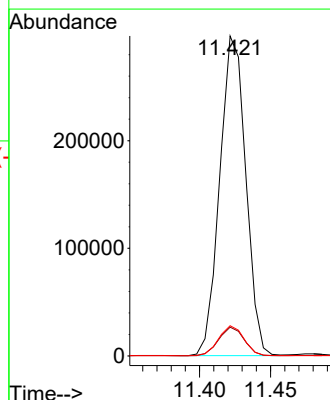
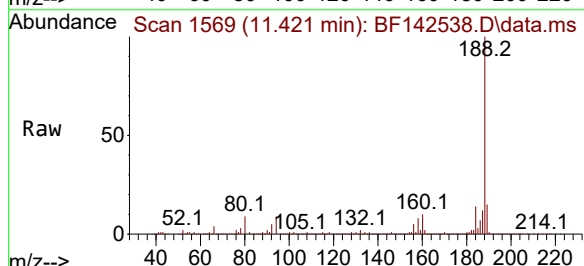
Tgt Ion:188 Resp: 378406

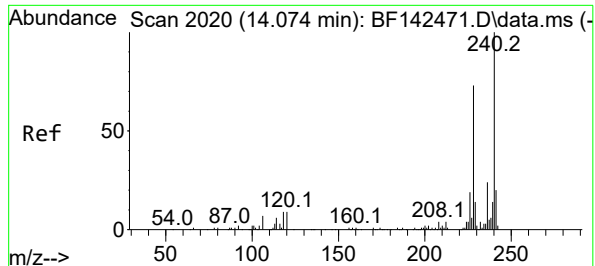
Ion Ratio Lower Upper

188 100

94 9.0 6.6 10.0

80 9.5 7.4 11.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.062 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF142538.D

Acq: 23 May 2025 16:34

Instrument :

BNA_F

ClientSampleId :

GAW1

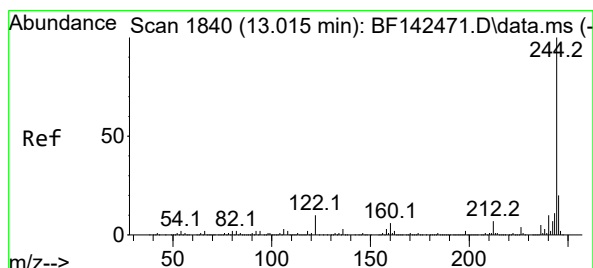
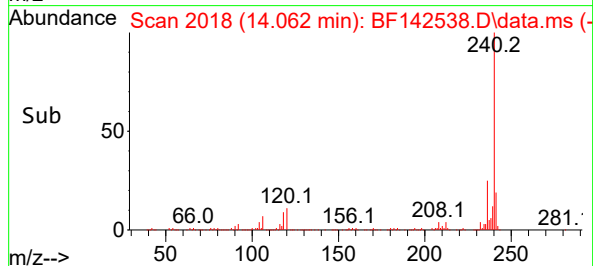
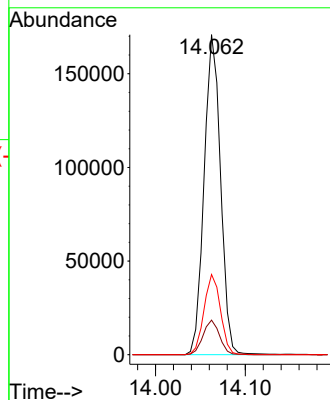
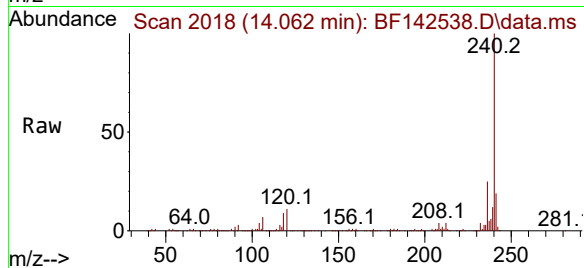
Tgt Ion:240 Resp: 217517

Ion Ratio Lower Upper

240 100

120 10.8 7.5 11.3

236 25.1 19.6 29.4



#79

Terphenyl-d14

Concen: 65.246 ng

RT: 13.010 min Scan# 1839

Delta R.T. -0.006 min

Lab File: BF142538.D

Acq: 23 May 2025 16:34

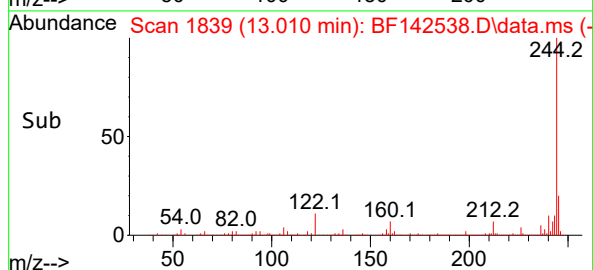
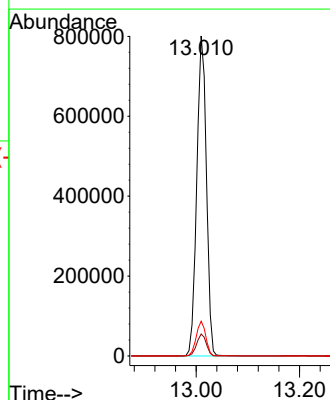
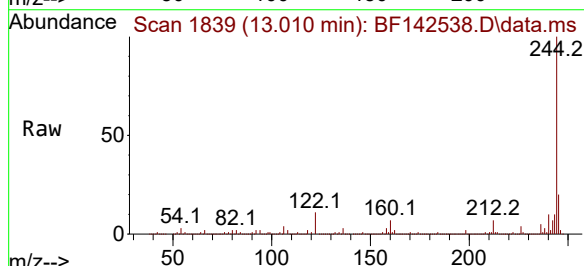
Tgt Ion:244 Resp: 1038535

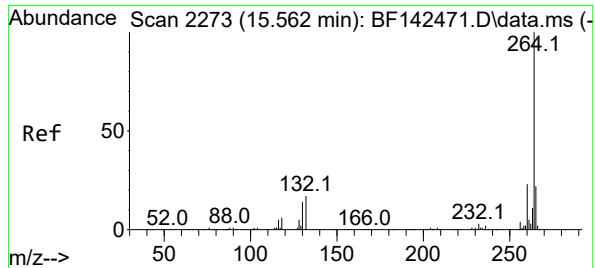
Ion Ratio Lower Upper

244 100

212 6.9 5.3 7.9

122 10.8 8.2 12.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.556 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF142538.D

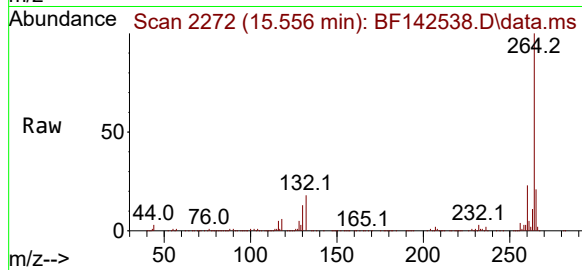
Acq: 23 May 2025 16:34

Instrument :

BNA_F

ClientSampleId :

GAW1



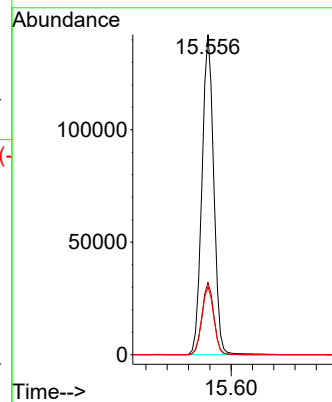
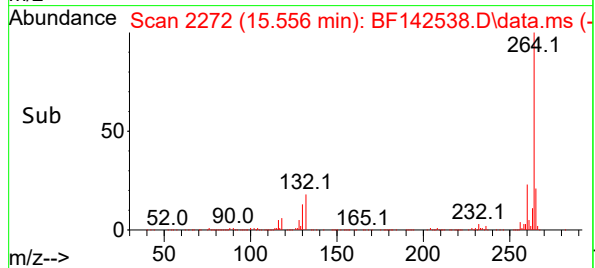
Tgt Ion:264 Resp: 218747

Ion Ratio Lower Upper

264 100

260 22.5 18.6 28.0

265 21.2 17.7 26.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052325\
Data File : BF142538.D
Acq On : 23 May 2025 16:34
Operator : RC/JU
Sample : Q2114-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GAW1

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: BF142538.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.110	487	496	505	rBV	78110	122103	3.81%	0.601%
2	5.510	558	564	569	rBV	942110	1256859	39.26%	6.182%
3	6.510	729	734	742	rVB	637100	801654	25.04%	3.943%
4	6.892	795	799	806	rVB	498189	628704	19.64%	3.092%
5	7.075	826	830	835	rVB	38903	45867	1.43%	0.226%
6	7.457	885	895	900	rBV	1275259	1801445	56.27%	8.861%
7	7.704	932	937	941	rVB3	25075	41704	1.30%	0.205%
8	7.851	959	962	967	rVB2	33736	47851	1.49%	0.235%
9	7.916	967	973	981	rBV	82703	129245	4.04%	0.636%
10	8.181	1004	1018	1023	rBV	656262	998433	31.19%	4.911%
11	8.222	1023	1025	1030	rVB2	64204	84189	2.63%	0.414%
12	8.375	1047	1051	1056	rBV3	29248	44511	1.39%	0.219%
13	8.457	1062	1065	1070	rVB2	27868	38361	1.20%	0.189%
14	8.575	1079	1085	1094	rBV3	224823	405780	12.68%	1.996%
15	8.810	1121	1125	1128	rBV	21881	32934	1.03%	0.162%
16	8.886	1133	1138	1142	rVB3	39423	69115	2.16%	0.340%
17	8.992	1148	1156	1160	rBV2	56115	118916	3.71%	0.585%
18	9.198	1188	1191	1195	rBV3	27105	42114	1.32%	0.207%
19	9.257	1195	1201	1206	rVV	2434326	3201384	100.00%	15.747%
20	9.451	1229	1234	1240	rVB2	29835	69403	2.17%	0.341%
21	9.516	1240	1245	1250	rBV2	65006	107847	3.37%	0.530%
22	9.592	1254	1258	1260	rBV	67794	86162	2.69%	0.424%
23	9.651	1265	1268	1272	rVV4	45691	56929	1.78%	0.280%
24	9.710	1275	1278	1283	rVB	28159	42736	1.33%	0.210%
25	9.792	1288	1292	1296	rBV	31839	48283	1.51%	0.237%
26	9.933	1310	1316	1321	rBV	776543	1005101	31.40%	4.944%
27	10.039	1331	1334	1338	rVB	30733	41401	1.29%	0.204%
28	10.133	1346	1350	1354	rBV3	51794	73994	2.31%	0.364%
29	10.174	1354	1357	1362	rVB2	33869	51209	1.60%	0.252%
30	10.251	1366	1370	1373	rBV2	46407	64860	2.03%	0.319%
31	10.551	1417	1421	1424	rBV	83042	123203	3.85%	0.606%
32	10.645	1433	1437	1442	rVB2	118700	172265	5.38%	0.847%
33	10.727	1445	1451	1456	rVV	1518346	2052519	64.11%	10.096%
34	10.851	1464	1472	1478	rVB2	118660	209482	6.54%	1.030%
35	10.922	1480	1484	1488	rBV2	45802	76894	2.40%	0.378%
36	11.063	1504	1508	1515	rBV3	69495	124805	3.90%	0.614%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052325\
Data File : BF142538.D
Acq On : 23 May 2025 16:34
Operator : RC/JU
Sample : Q2114-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GAW1

A
B
C
D
E
F
G
H
I
J
K

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	11.174	1524	1527	1533	rVB3	45738	87695	2.74%	0.431%
38	11.316	1547	1551	1556	rVB3	56017	82598	2.58%	0.406%
39	11.421	1564	1569	1576	rBV	712376	928731	29.01%	4.568%
40	11.945	1653	1658	1669	rVB	366805	545031	17.02%	2.681%
41	12.651	1775	1778	1787	rVB3	30773	58079	1.81%	0.286%
42	12.733	1787	1792	1804	rVV	86189	143479	4.48%	0.706%
43	12.827	1804	1808	1812	rVB	48908	61669	1.93%	0.303%
44	13.010	1833	1839	1844	rBV	2128855	2750526	85.92%	13.529%
45	13.533	1923	1928	1932	rBV	44910	56983	1.78%	0.280%
46	13.904	1986	1991	2004	rBV	64878	120007	3.75%	0.590%
47	14.062	2013	2018	2030	rVB	452967	576682	18.01%	2.837%
48	15.556	2266	2272	2294	rVB	375677	600779	18.77%	2.955%

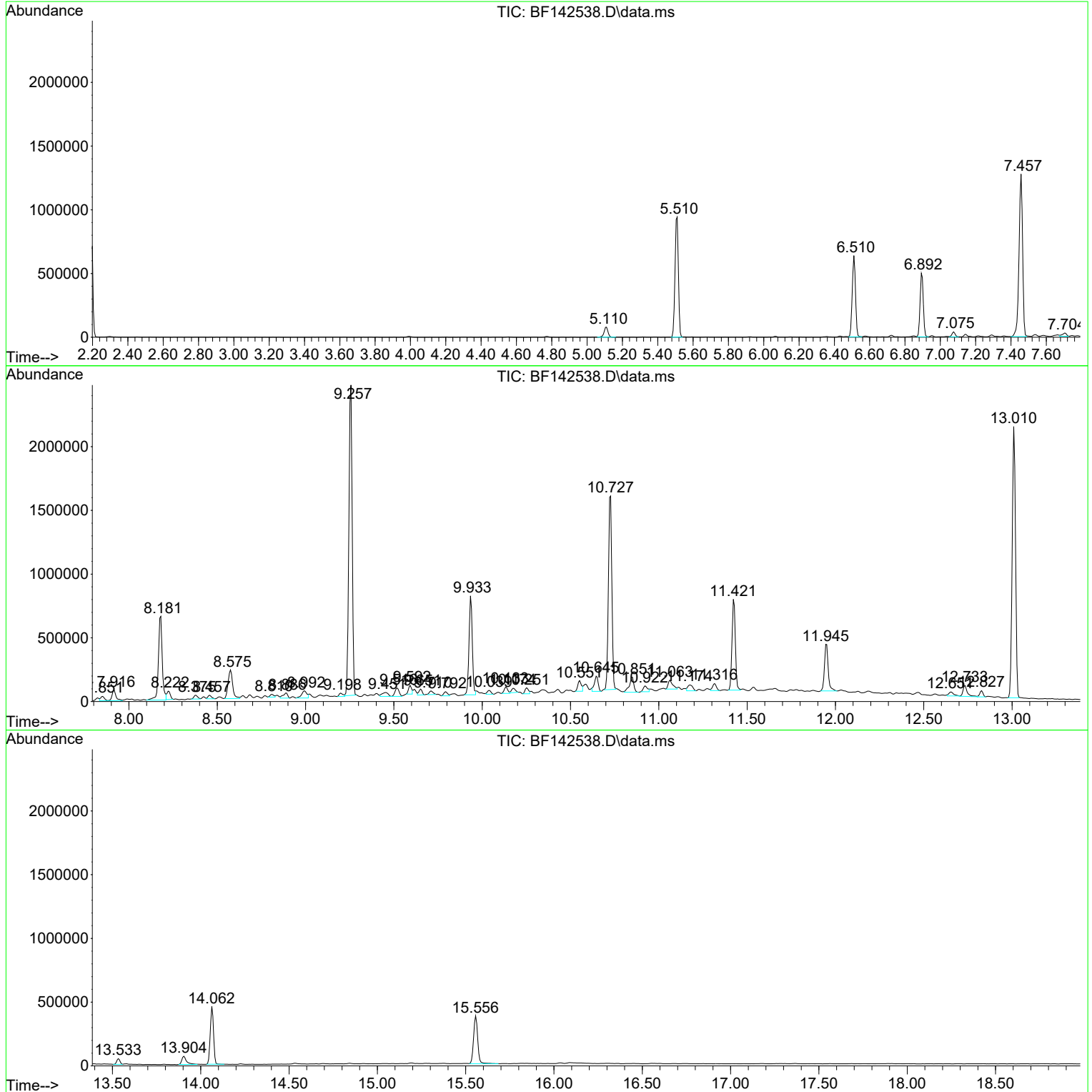
Sum of corrected areas: 20330521

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052325\
Data File : BF142538.D
Acq On : 23 May 2025 16:34
Operator : RC/JU
Sample : Q2114-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GAW1

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



A
B
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D
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F
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J
K

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052325\
Data File : BF142538.D
Acq On : 23 May 2025 16:34
Operator : RC/JU
Sample : Q2114-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GAW1

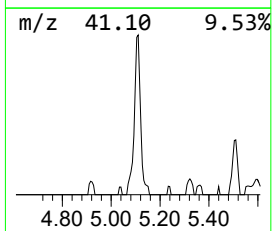
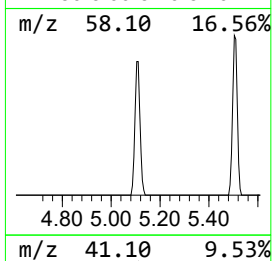
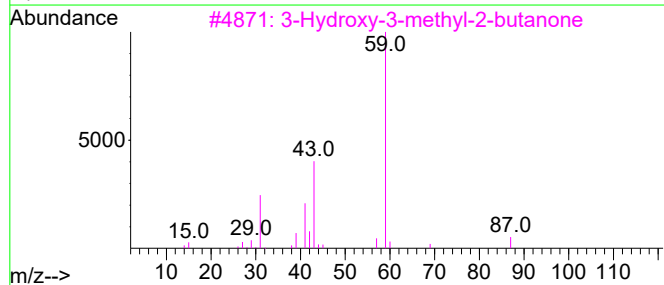
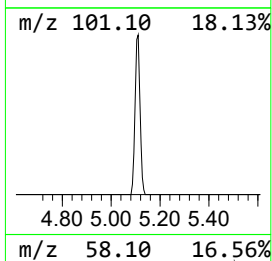
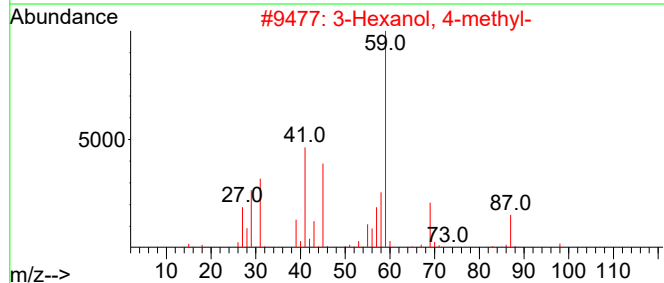
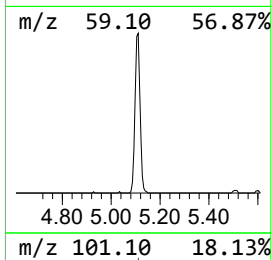
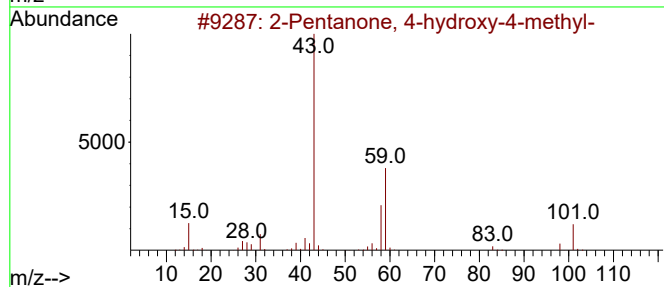
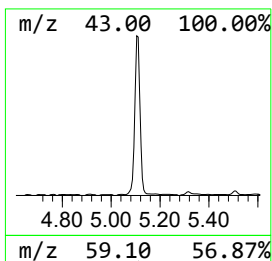
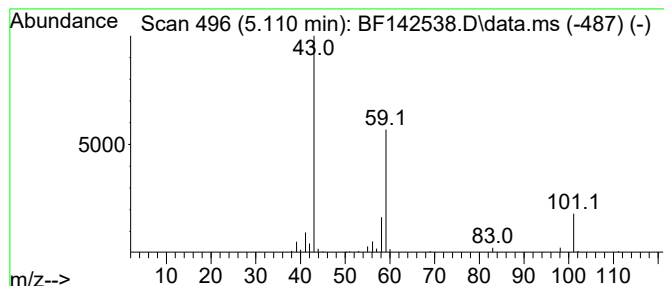
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.110	3.88 ng	122103	1,4-Dichlorobenzene-d4	6.892

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2		3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
3		3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	23
4		1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12
5		2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052325\
Data File : BF142538.D
Acq On : 23 May 2025 16:34
Operator : RC/JU
Sample : Q2114-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GAW1

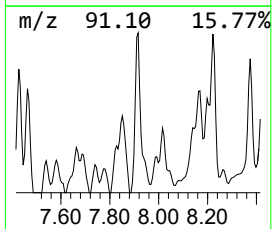
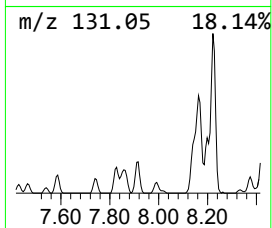
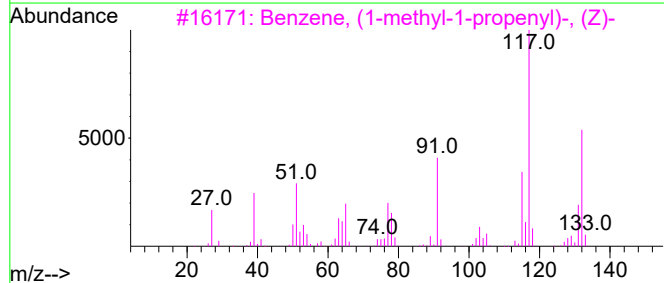
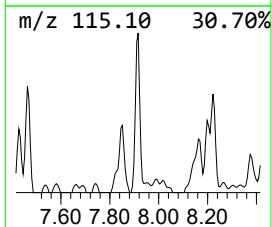
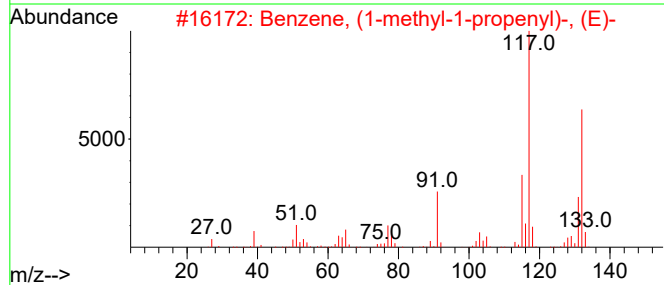
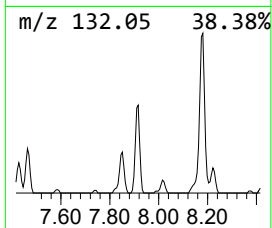
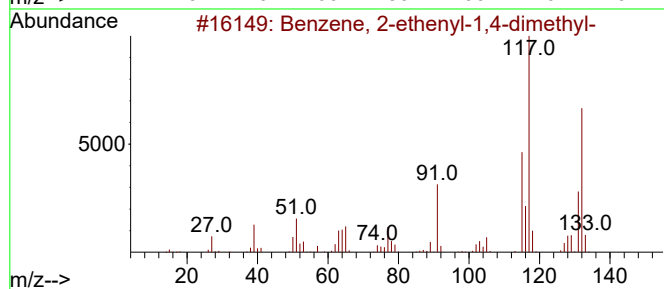
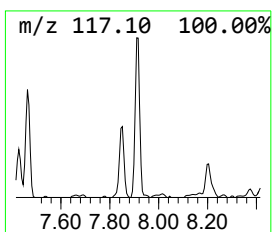
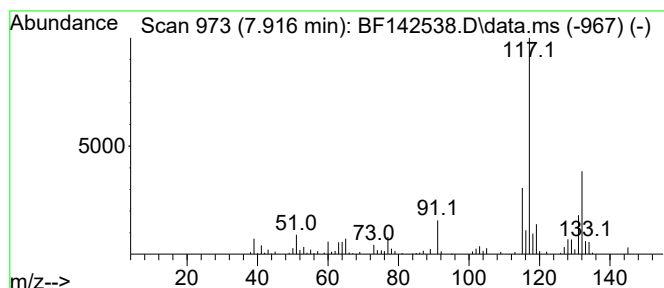
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.916	2.59 ng	129245	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			Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	90
3			Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	87
4			1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	87
5			Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052325\
Data File : BF142538.D
Acq On : 23 May 2025 16:34
Operator : RC/JU
Sample : Q2114-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

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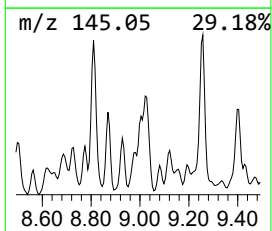
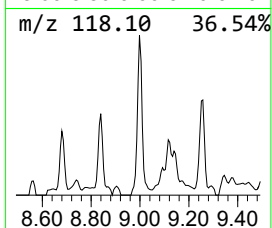
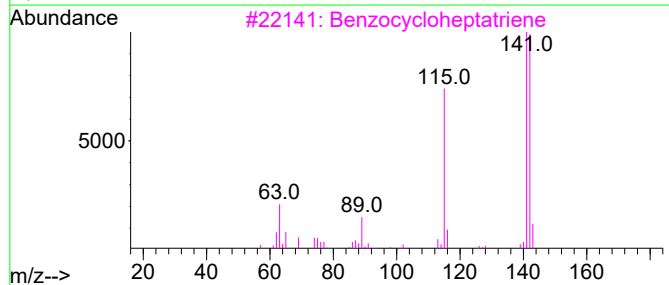
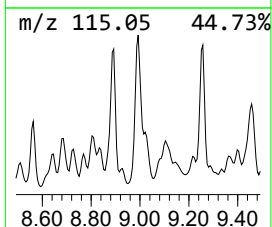
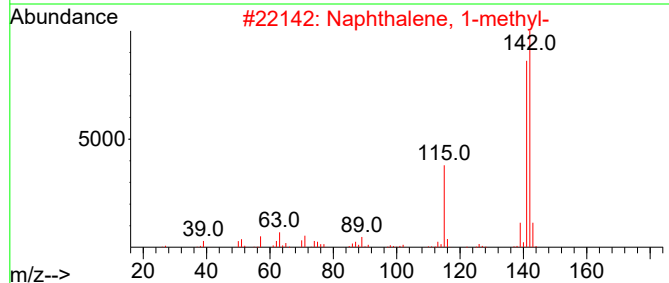
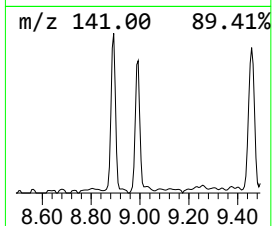
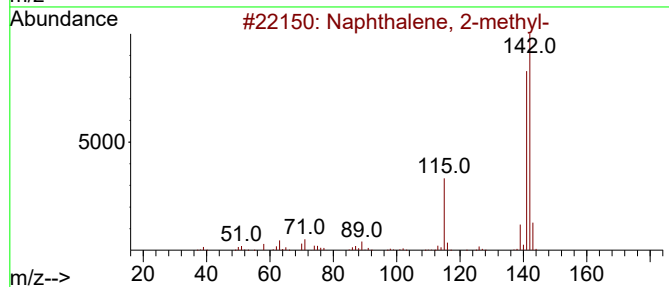
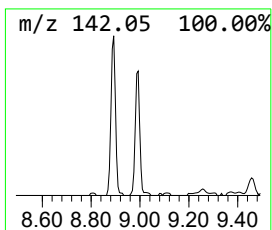
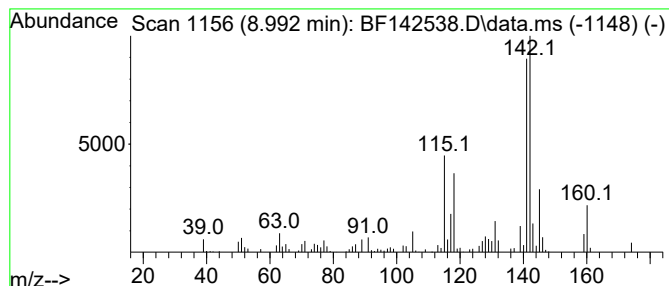
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Naphthalene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.992	2.38 ng	118916	Naphthalene-d8	8.181

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	93
3			Benzocycloheptatriene	142	C11H10	000264-09-5	86
4			1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	70
5			1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052325\
Data File : BF142538.D
Acq On : 23 May 2025 16:34
Operator : RC/JU
Sample : Q2114-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

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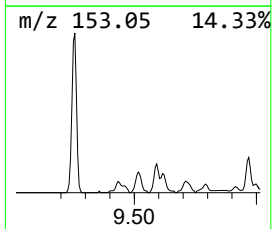
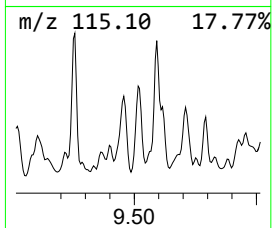
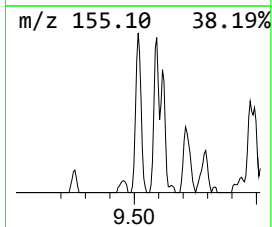
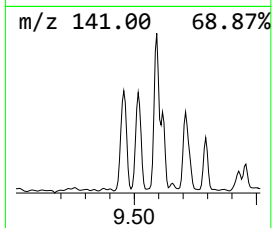
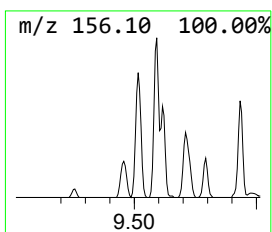
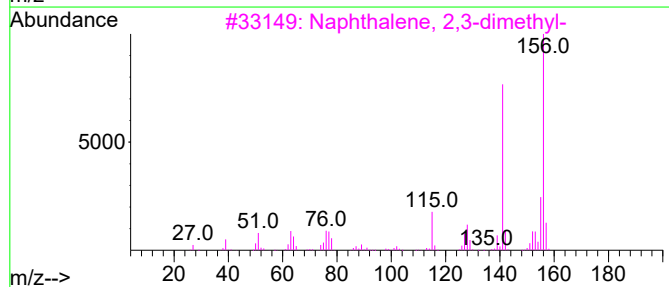
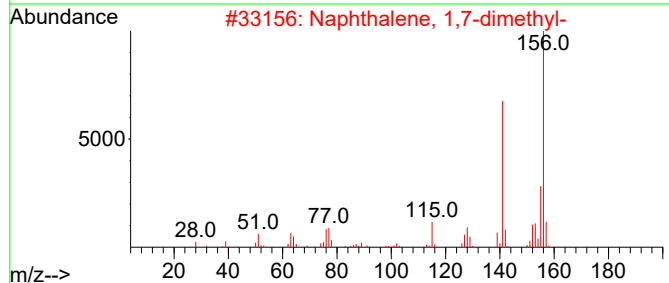
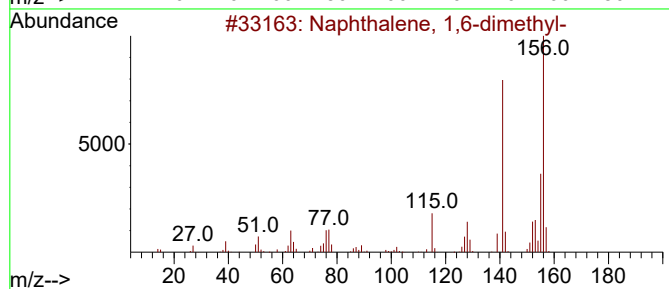
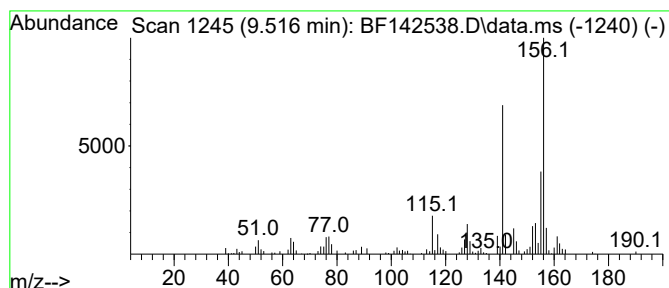
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Naphthalene, 1,6-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.516	2.15 ng	107847	Acenaphthene-d10	9.933

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
3		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
4		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052325\
Data File : BF142538.D
Acq On : 23 May 2025 16:34
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Sample : Q2114-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

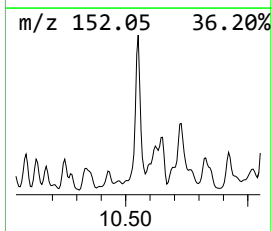
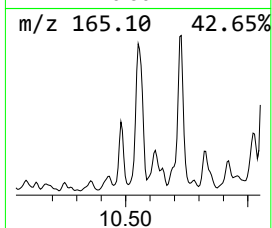
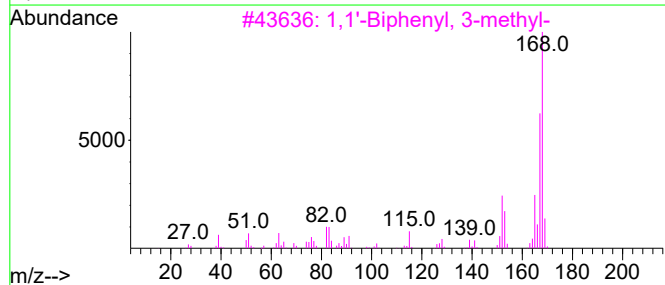
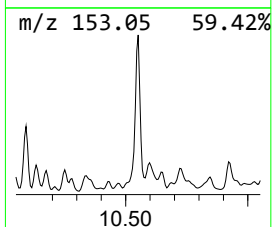
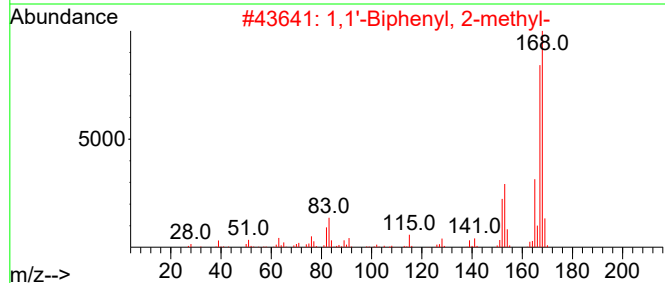
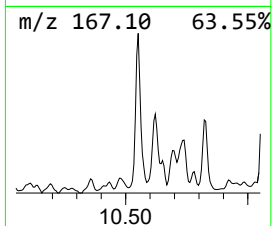
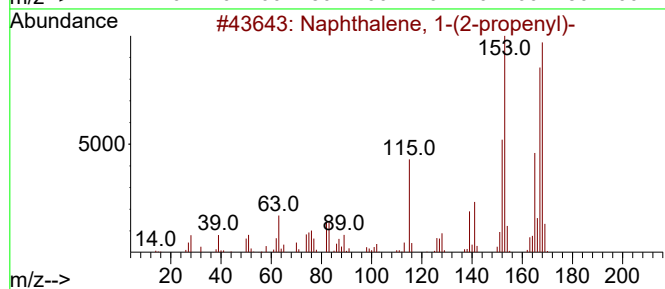
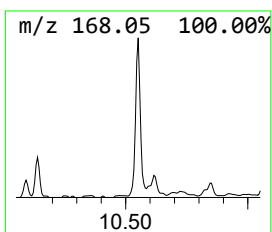
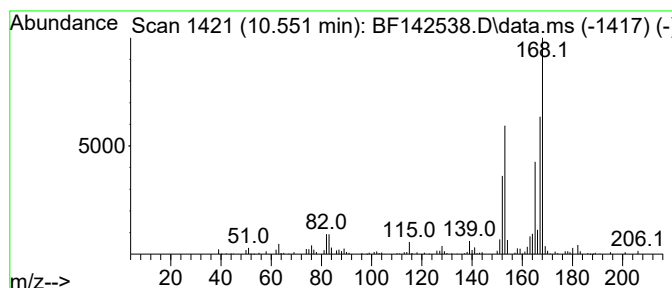
Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Naphthalene, 1-(2-propenyl)- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.551	2.45 ng	123203	Acenaphthene-d10	9.933	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	81
2	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	64
3	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	64
4	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	58
5	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	52



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052325\
Data File : BF142538.D
Acq On : 23 May 2025 16:34
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Sample : Q2114-01
Misc :
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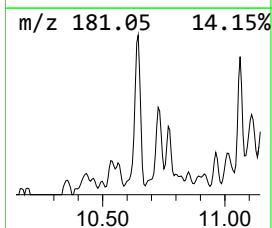
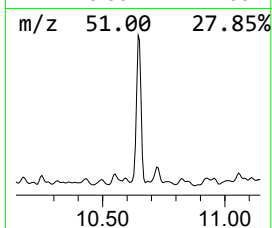
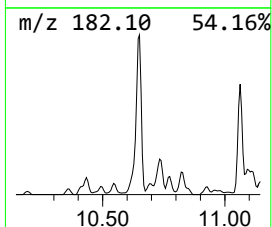
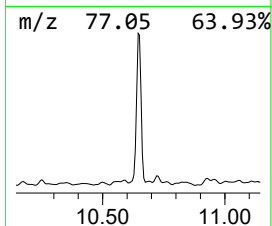
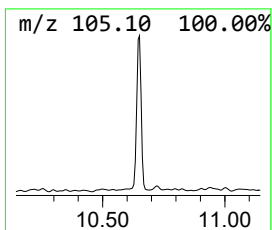
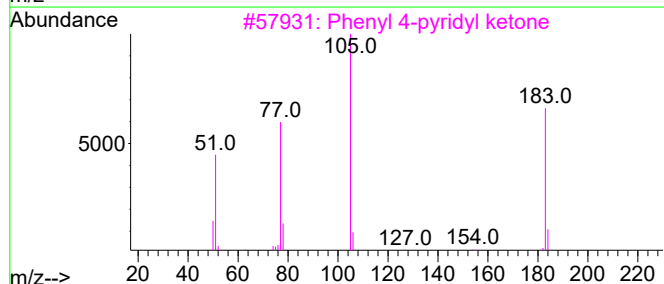
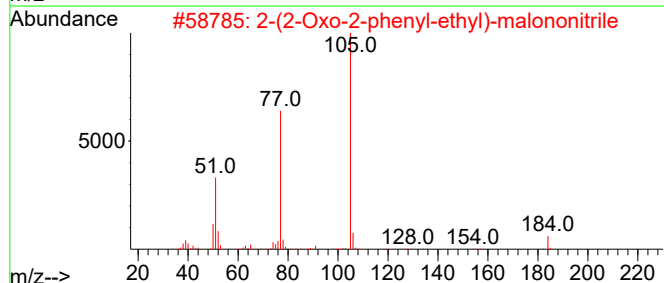
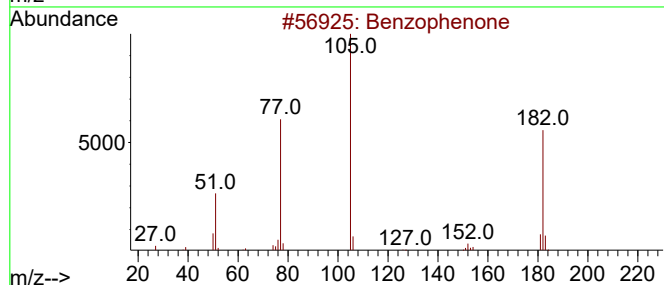
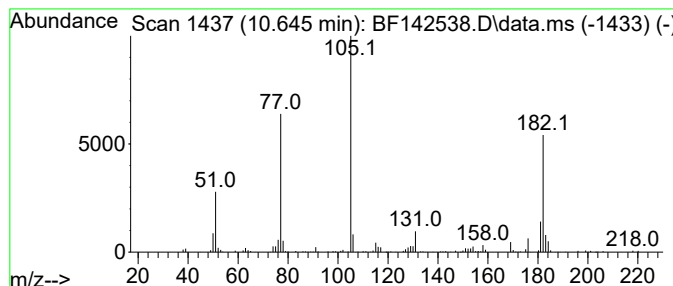
Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Benzophenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.645	3.43 ng	172265	Acenaphthene-d10	9.933	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	91
2	2-(2-Oxo-2-phenyl-ethyl)-malonon...	184	C11H8N2O	1000296-76-9	50
3	Phenyl 4-pyridyl ketone	183	C12H9NO	014548-46-0	49
4	Benzeneacetic acid, .alpha.-oxo-...	164	C9H8O3	015206-55-0	38
5	1-Butanone, 1-phenyl-	148	C10H12O	000495-40-9	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052325\
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Acq On : 23 May 2025 16:34
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Misc :
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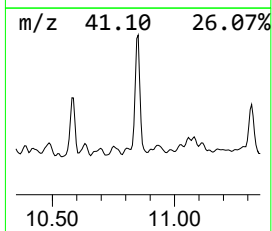
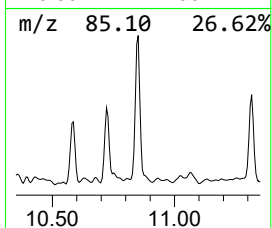
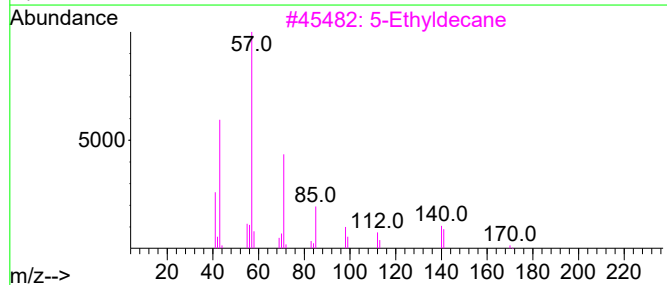
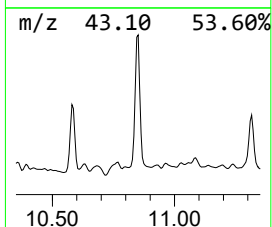
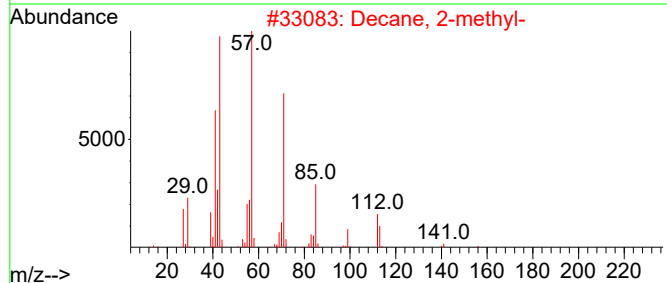
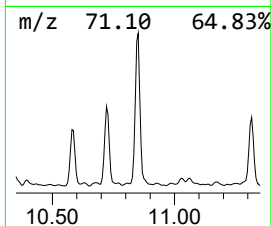
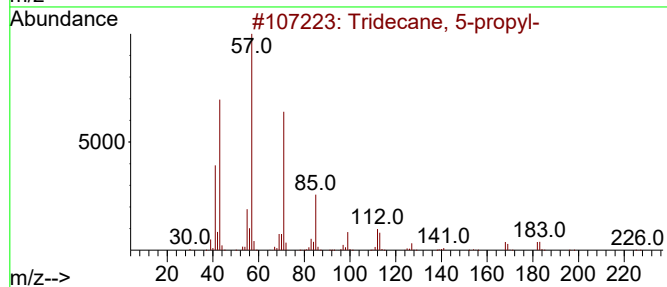
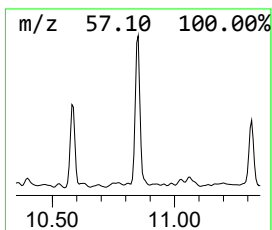
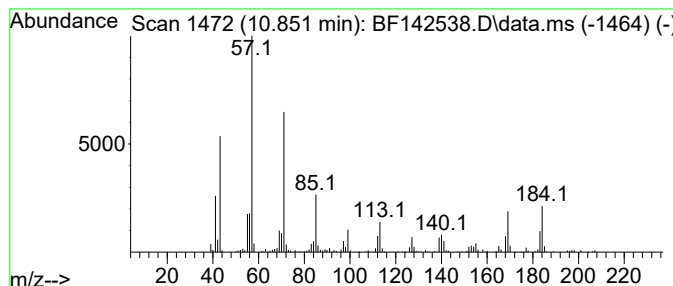
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Tridecane, 5-propyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD		R.T.	
10.851	4.51 ng	209482	Phenanthrene-d10		11.422	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Tridecane, 5-propyl-		226	C16H34	055045-11-9	64
2	Decane, 2-methyl-		156	C11H24	006975-98-0	58
3	5-Ethyldecane		170	C12H26	017302-36-2	58
4	Hexadecane, 2,6,11,15-tetramethyl-		282	C20H42	000504-44-9	58
5	Tridecane, 7-methyl-		198	C14H30	026730-14-3	50



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052325\
Data File : BF142538.D
Acq On : 23 May 2025 16:34
Operator : RC/JU
Sample : Q2114-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

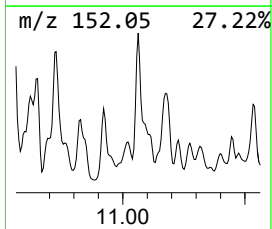
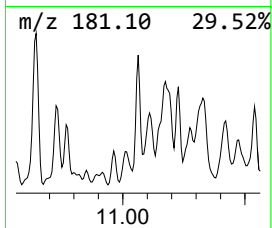
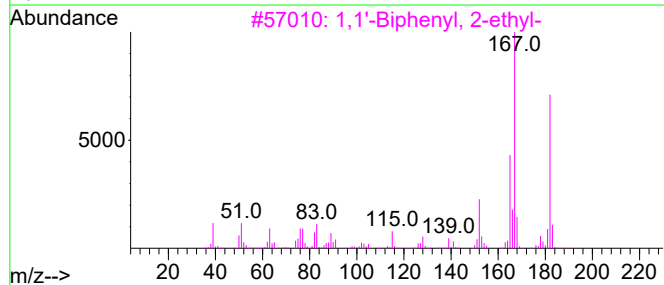
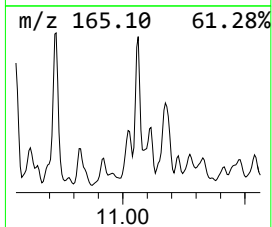
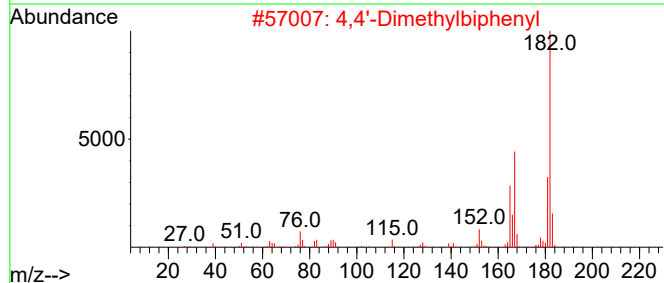
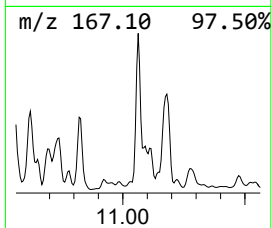
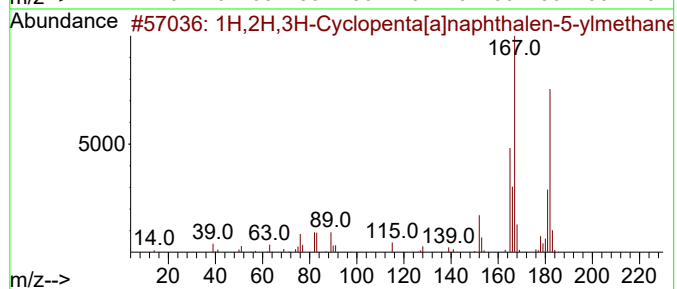
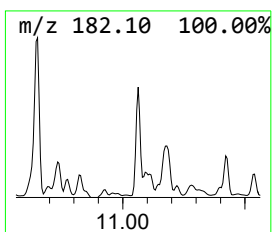
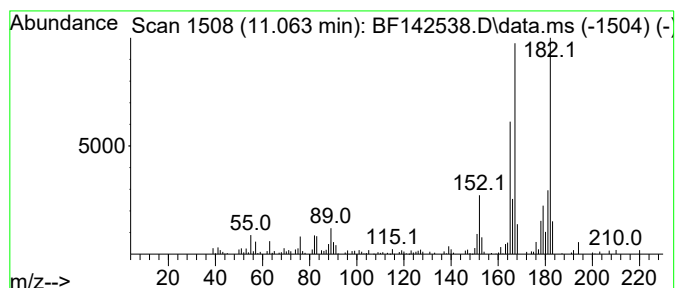
Instrument :
BNA_F
ClientSampleId :
GAW1

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

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

Peak Number 8 1H,2H,3H-Cyclopenta[a]napht... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.063	2.69 ng	124805	Phenanthrene-d10	11.422	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H,2H,3H-Cyclopenta[a]naphthalen...	182	C14H14	001624-22-2	93
2	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	91
3	1,1'-Biphenyl, 2-ethyl-	182	C14H14	001812-51-7	90
4	Benzene, 1-methyl-3-(phenylmethyl)-	182	C14H14	000620-47-3	81
5	1,1'-Biphenyl, 2,4'-dimethyl-	182	C14H14	000611-61-0	81



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052325\
Data File : BF142538.D
Acq On : 23 May 2025 16:34
Operator : RC/JU
Sample : Q2114-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

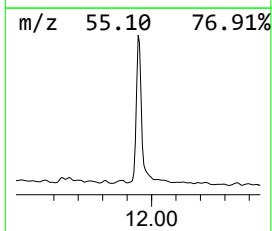
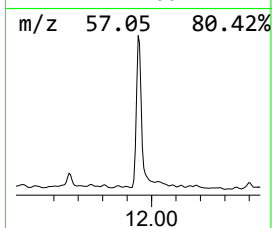
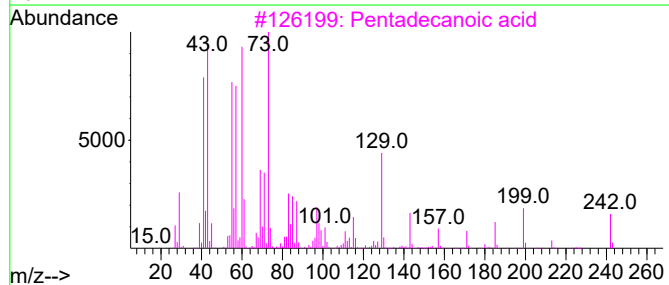
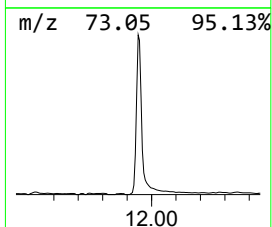
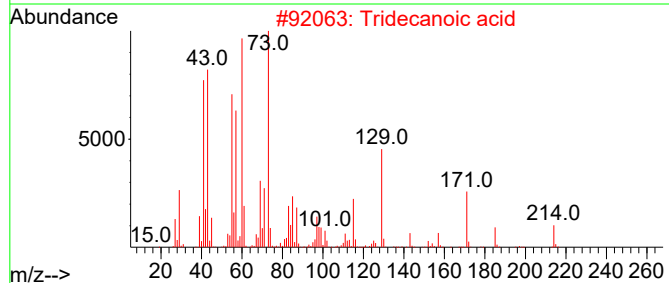
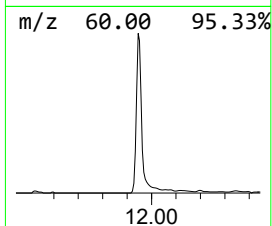
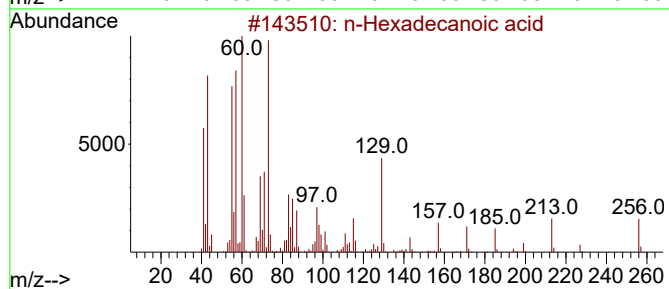
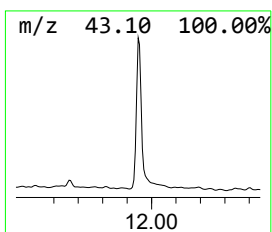
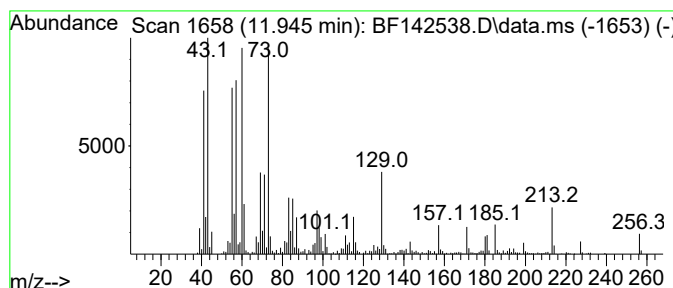
Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.945	11.74 ng	545031	Phenanthrene-d10		11.422	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid		256	C16H32O2	000057-10-3	99
2	Tridecanoic acid		214	C13H26O2	000638-53-9	94
3	Pentadecanoic acid		242	C15H30O2	001002-84-2	87
4	Tetradecanoic acid		228	C14H28O2	000544-63-8	72
5	n-Decanoic acid		172	C10H20O2	000334-48-5	60



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052325\
Data File : BF142538.D
Acq On : 23 May 2025 16:34
Operator : RC/JU
Sample : Q2114-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GAW1

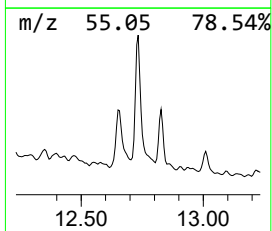
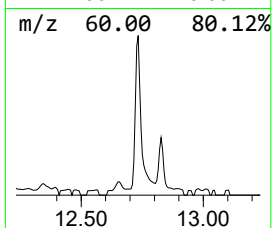
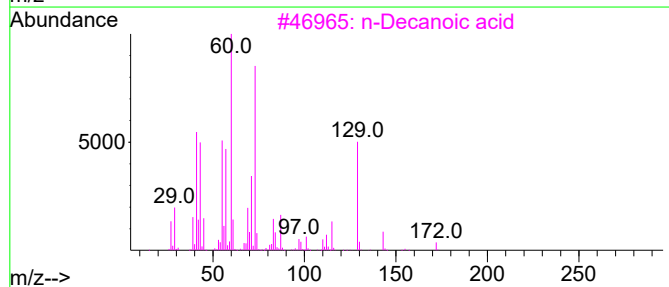
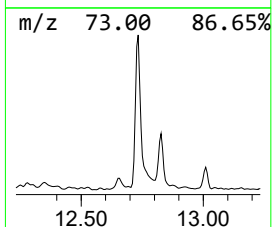
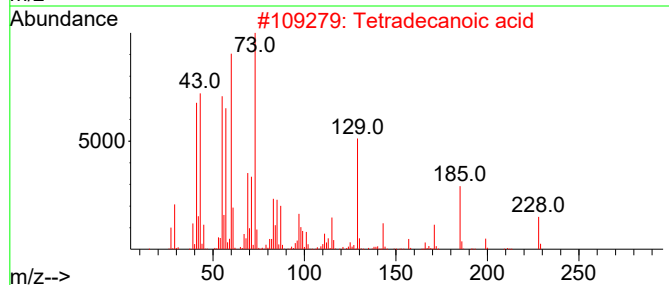
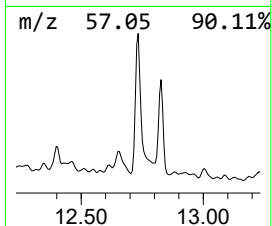
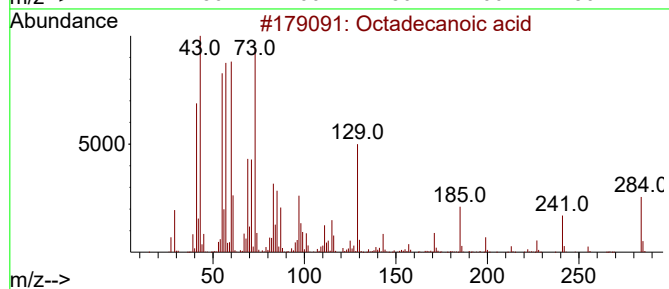
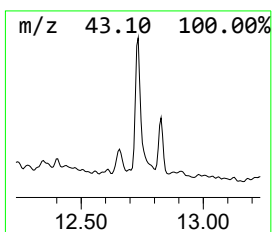
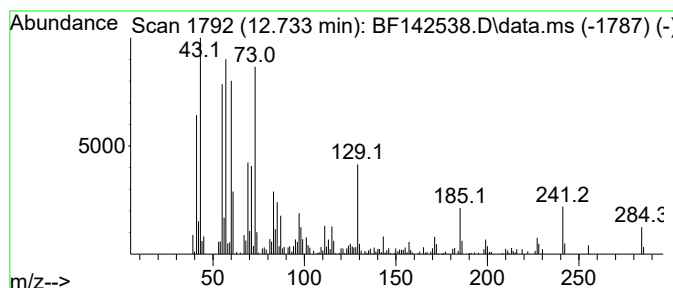
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Octadecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.733	3.09 ng	143479	Phenanthrene-d10	11.422

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Octadecanoic acid	284	C18H36O2	000057-11-4	99
2		Tetradecanoic acid	228	C14H28O2	000544-63-8	89
3		n-Decanoic acid	172	C10H20O2	000334-48-5	86
4		Pentadecanoic acid	242	C15H30O2	001002-84-2	74
5		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	74



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052325\
Data File : BF142538.D
Acq On : 23 May 2025 16:34
Operator : RC/JU
Sample : Q2114-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

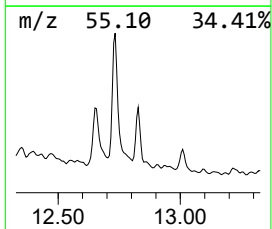
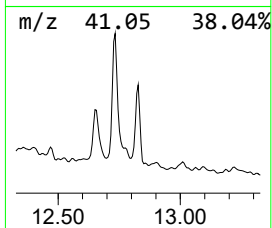
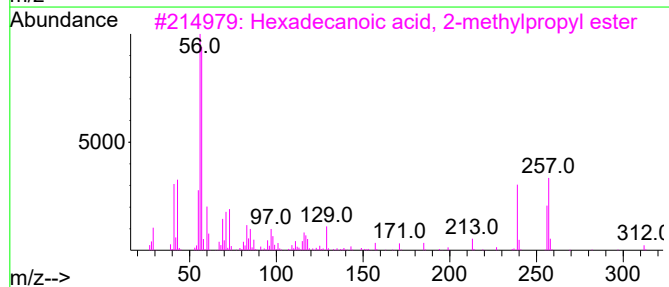
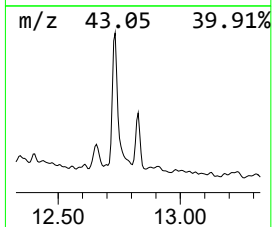
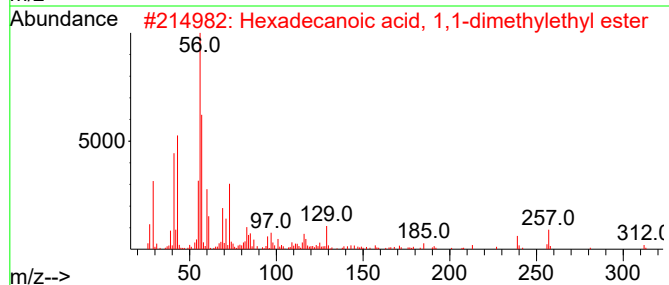
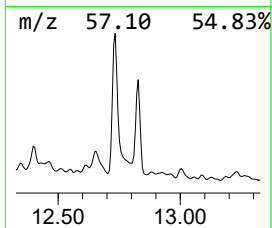
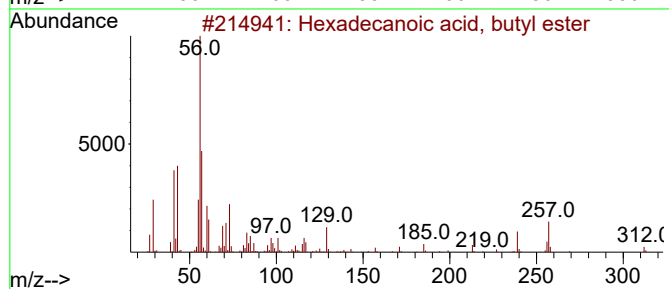
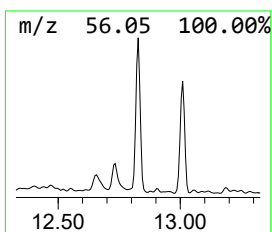
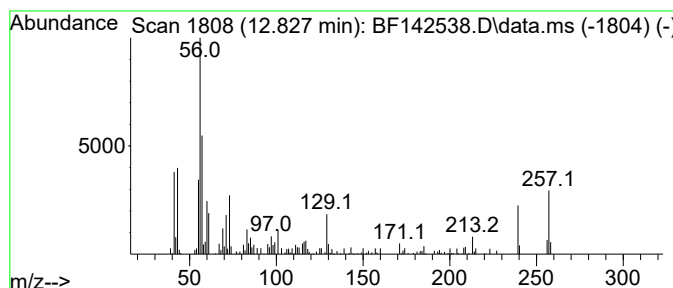
Instrument :
BNA_F
ClientSampleId :
GAW1

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 11 Hexadecanoic acid, butyl ester Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.		
12.827	2.14 ng	61669	Chrysene-d12	14.063		
Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Hexadecanoic acid, butyl ester	312	C20H40O2	000111-06-8	83
2		Hexadecanoic acid, 1,1-dimethyle...	312	C20H40O2	031158-91-5	64
3		Hexadecanoic acid, 2-methylpropy...	312	C20H40O2	000110-34-9	46
4		trans-4-Aminocyclohexanecarboxyl...	215	C10H21NO2Si	1000384-24-5	35
5		Cyclopentanone, 2,2-dimethyl-	112	C7H12O	004541-32-6	30



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052325\
Data File : BF142538.D
Acq On : 23 May 2025 16:34
Operator : RC/JU
Sample : Q2114-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GAW1

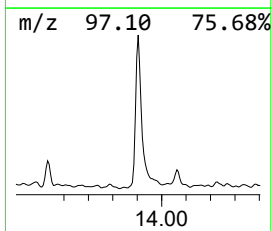
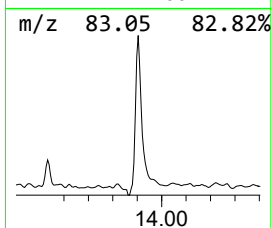
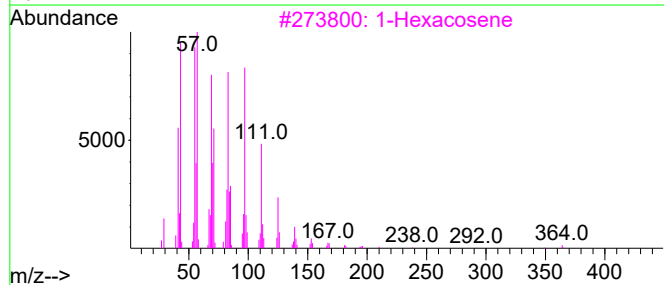
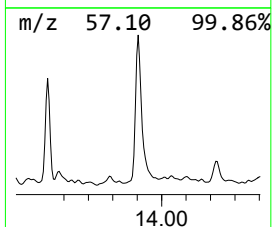
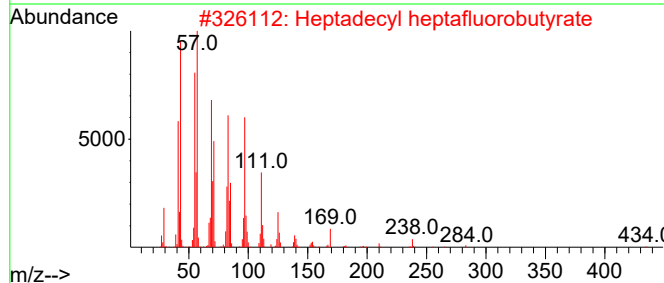
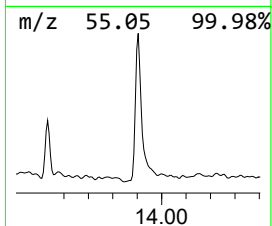
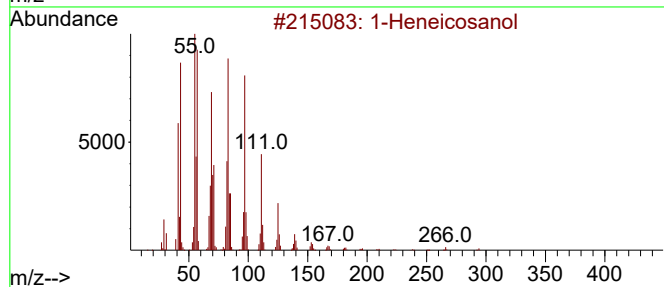
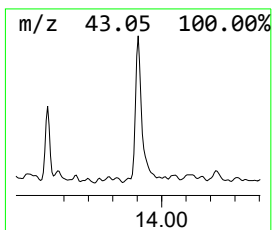
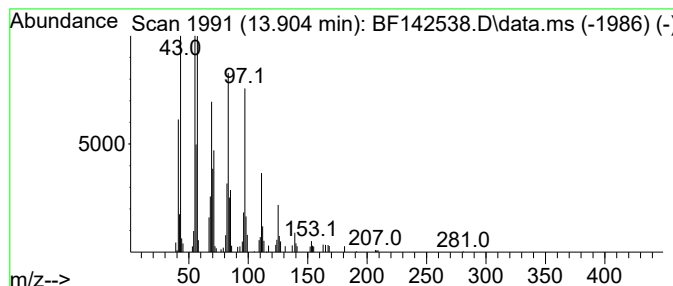
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 1-Heneicosanol Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.904	4.16 ng	120007	Chrysene-d12	14.063

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Heneicosanol	312	C21H44O	015594-90-8	95
2			Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	95
3			1-Hexacosene	364	C26H52	018835-33-1	95
4			Heptadecyl trifluoroacetate	352	C19H35F3O2	1010351-87-0	94
5			Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	94



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052325\
Data File : BF142538.D
Acq On : 23 May 2025 16:34
Operator : RC/JU
Sample : Q2114-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GAW1

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

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-...	5.110	3.9	ng	122103	1	6.892	628704	20.0
Benzene, 2-ethe...	7.916	2.6	ng	129245	2	8.181	998433	20.0
Naphthalene, 2-...	8.992	2.4	ng	118916	2	8.181	998433	20.0
Naphthalene, 1-...	9.516	2.1	ng	107847	3	9.933	1005100	20.0
Naphthalene, 1-...	10.551	2.5	ng	123203	3	9.933	1005100	20.0
Benzophenone	10.645	3.4	ng	172265	3	9.933	1005100	20.0
Tridecane, 5-pr...	10.851	4.5	ng	209482	4	11.422	928731	20.0
1H,2H,3H-Cyclop...	11.063	2.7	ng	124805	4	11.422	928731	20.0
n-Hexadecanoic ...	11.945	11.7	ng	545031	4	11.422	928731	20.0
Octadecanoic acid	12.733	3.1	ng	143479	4	11.422	928731	20.0
Hexadecanoic ac...	12.827	2.1	ng	61669	5	14.063	576682	20.0
1-Heneicosanol	13.904	4.2	ng	120007	5	14.063	576682	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052725\
Data File : BF142555.D
Acq On : 27 May 2025 11:42
Operator : RC/JU
Sample : PB168143BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168143BL

Quant Time: May 27 12:26:16 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	6.899	152	109703	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	422020	20.000	ng	0.00
39) Acenaphthene-d10	9.934	164	239387	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	439419	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	295396	20.000	ng	#-0.01
86) Perylene-d12	15.557	264	234182	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	815573	125.251	ng	0.00
7) Phenol-d6	6.522	99	988856	126.157	ng	-0.01
23) Nitrobenzene-d5	7.457	82	606800	78.404	ng	-0.02
42) 2,4,6-Tribromophenol	10.728	330	353739	133.140	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	1309789	73.419	ng	-0.01
79) Terphenyl-d14	13.016	244	1502475	69.507	ng	0.00

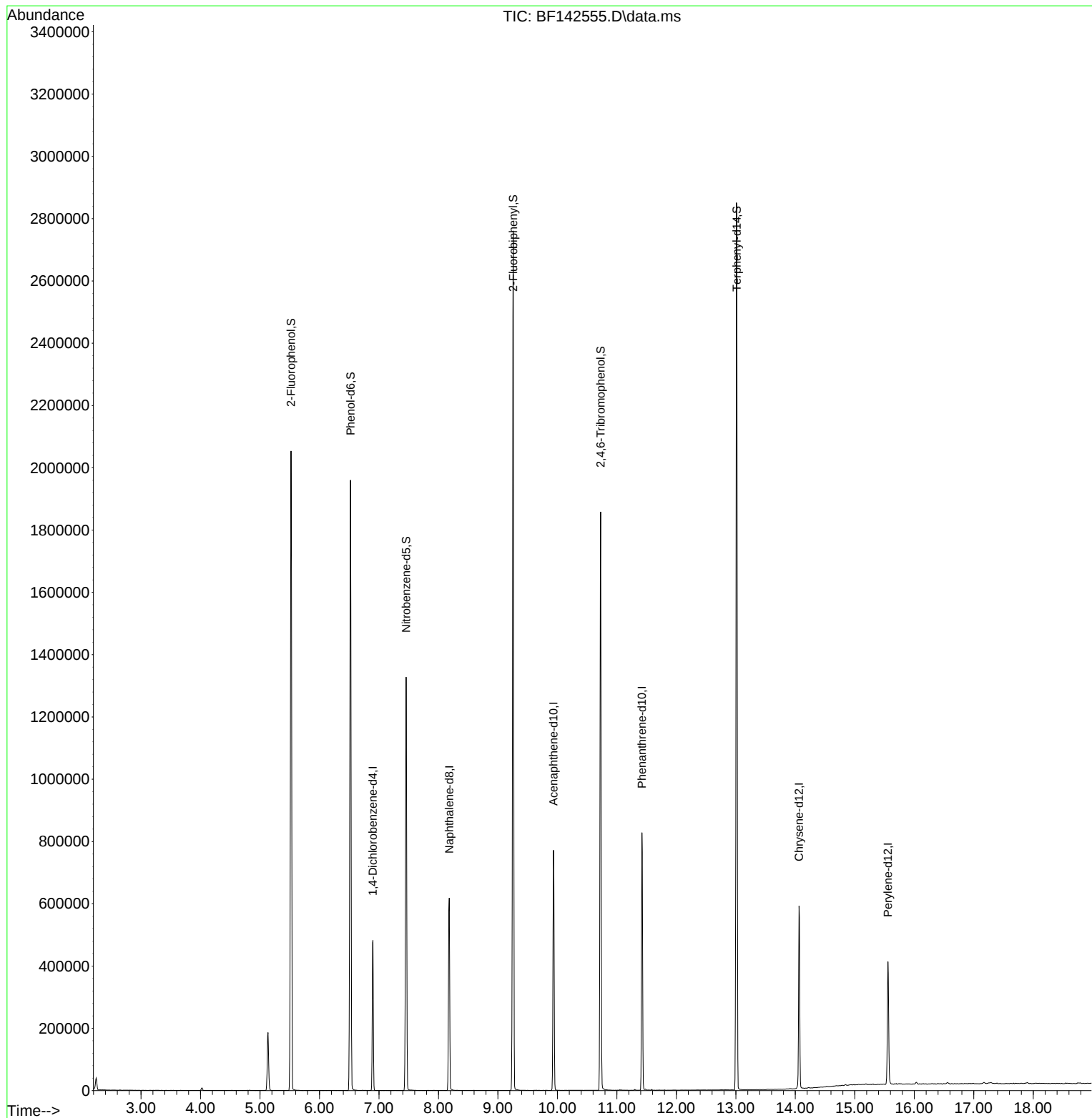
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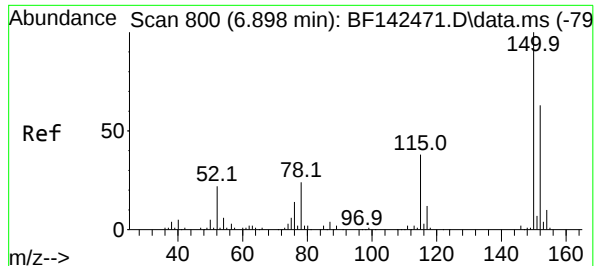
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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052725\
Data File : BF142555.D
Acq On : 27 May 2025 11:42
Operator : RC/JU
Sample : PB168143BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168143BL

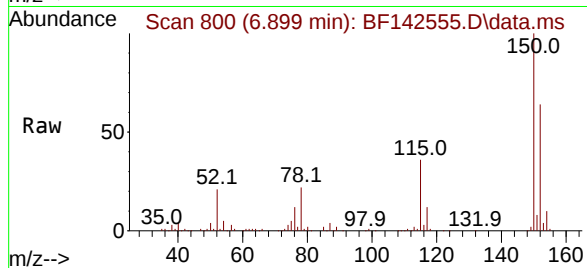
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration



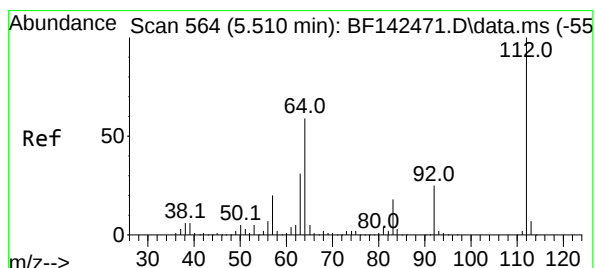
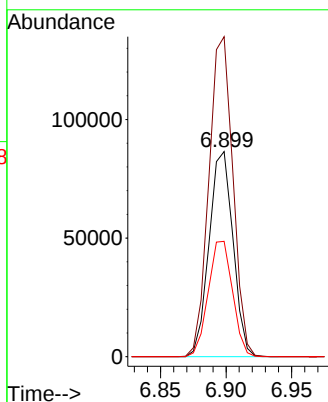
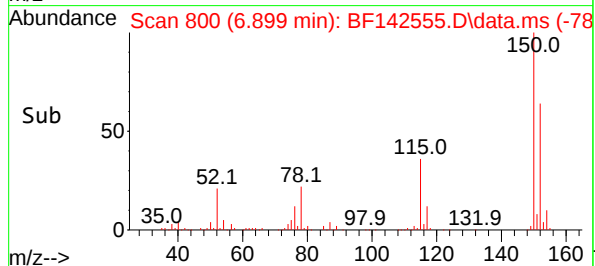


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.899 min Scan# 800
Delta R.T. -0.005 min
Lab File: BF142555.D
Acq: 27 May 2025 11:42

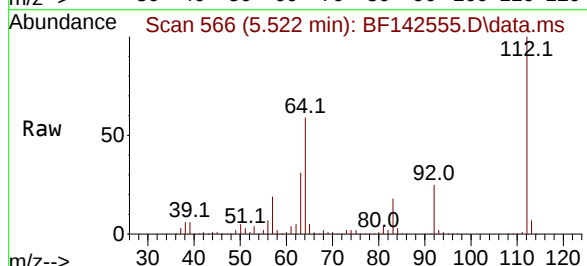
Instrument :
BNA_F
ClientSampleId :
PB168143BL



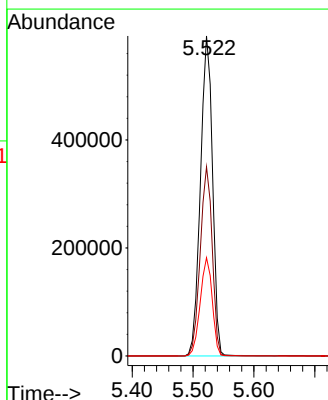
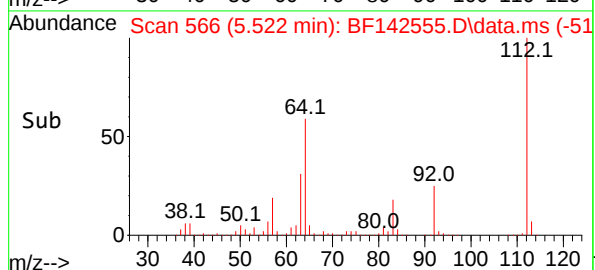
Tgt Ion:152 Resp: 109703
Ion Ratio Lower Upper
152 100
150 156.0 128.2 192.4
115 56.2 48.3 72.5

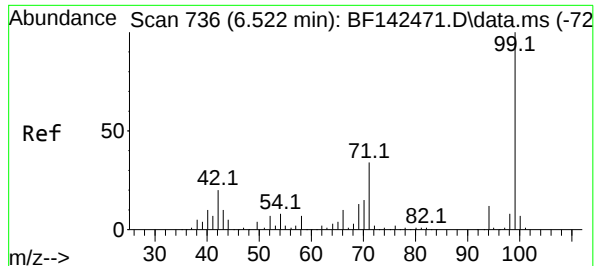


#5
2-Fluorophenol
Concen: 125.251 ng
RT: 5.522 min Scan# 566
Delta R.T. 0.006 min
Lab File: BF142555.D
Acq: 27 May 2025 11:42



Tgt Ion:112 Resp: 815573
Ion Ratio Lower Upper
112 100
64 59.1 47.5 71.3
63 30.7 24.9 37.3

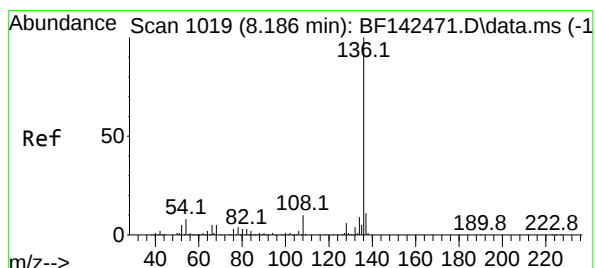
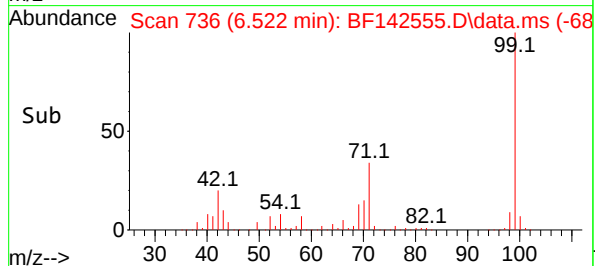
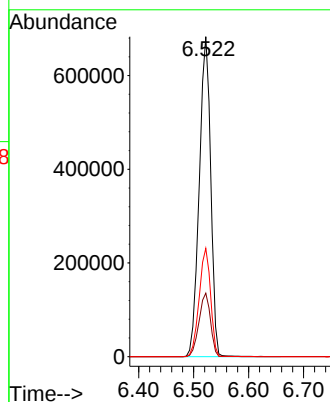
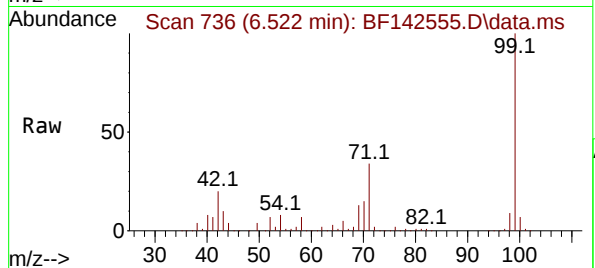




#7
Phenol-d6
Concen: 126.157 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.011 min
Lab File: BF142555.D
Acq: 27 May 2025 11:42

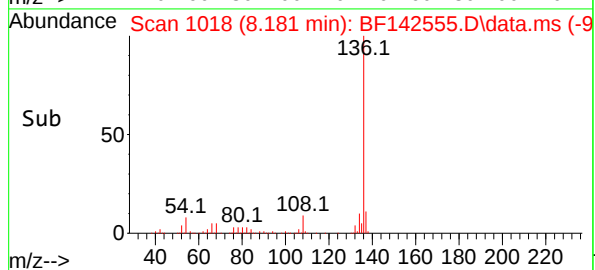
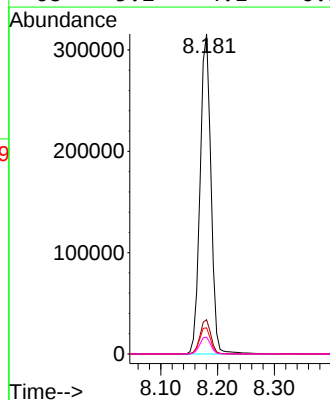
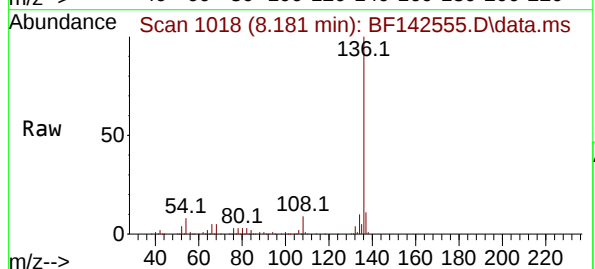
Instrument :
BNA_F
ClientSampleId :
PB168143BL

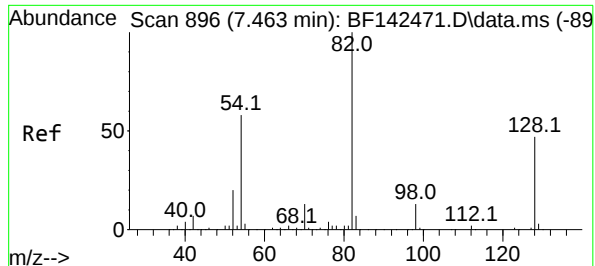
Tgt Ion: 99 Resp: 988856
Ion Ratio Lower Upper
99 100
42 19.8 16.2 24.2
71 33.8 27.3 40.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF142555.D
Acq: 27 May 2025 11:42

Tgt Ion: 136 Resp: 422020
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 8.2 6.6 10.0
68 5.2 4.1 6.1





#23

Nitrobenzene-d5

Concen: 78.404 ng

RT: 7.457 min Scan# 89

Delta R.T. -0.017 min

Lab File: BF142555.D

Acq: 27 May 2025 11:42

Instrument :

BNA_F

ClientSampleId :

PB168143BL

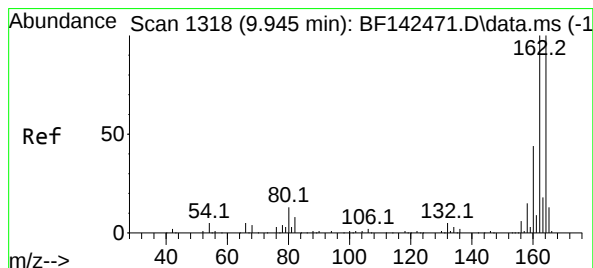
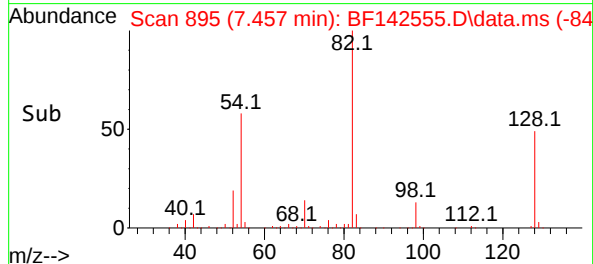
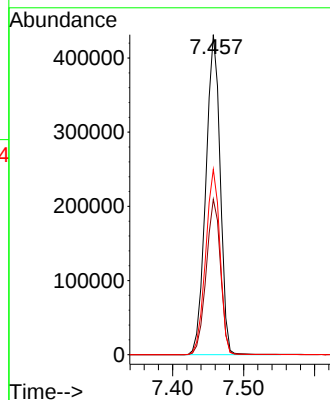
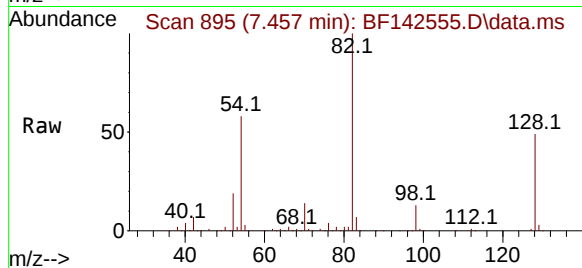
Tgt Ion: 82 Resp: 606800

Ion Ratio Lower Upper

82 100

128 48.5 37.4 56.2

54 57.9 46.6 70.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.934 min Scan# 1316

Delta R.T. -0.011 min

Lab File: BF142555.D

Acq: 27 May 2025 11:42

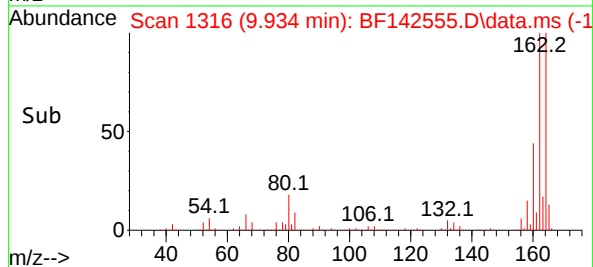
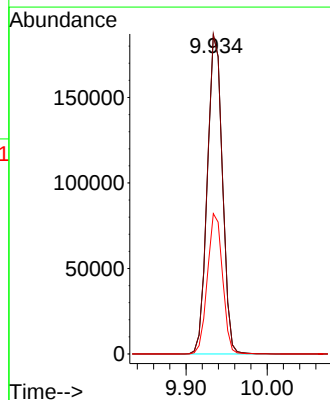
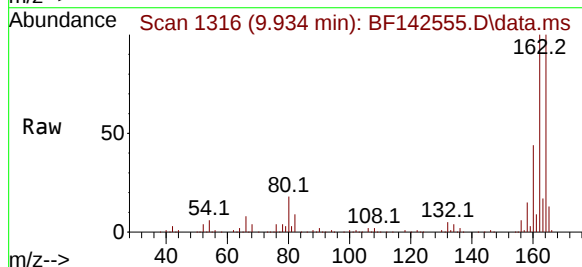
Tgt Ion:164 Resp: 239387

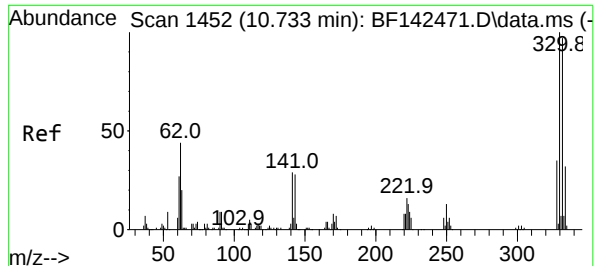
Ion Ratio Lower Upper

164 100

162 100.4 80.2 120.4

160 44.1 35.6 53.4





#42

2,4,6-Tribromophenol

Concen: 133.140 ng

RT: 10.728 min Scan# 1451

Delta R.T. -0.011 min

Lab File: BF142555.D

Acq: 27 May 2025 11:42

Instrument :

BNA_F

ClientSampleId :

PB168143BL

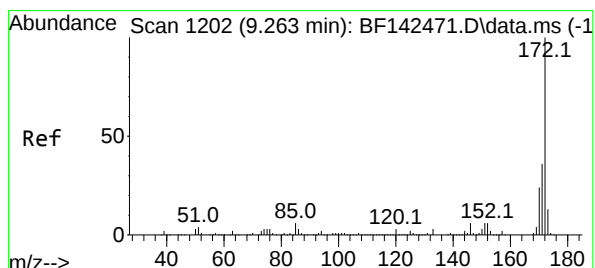
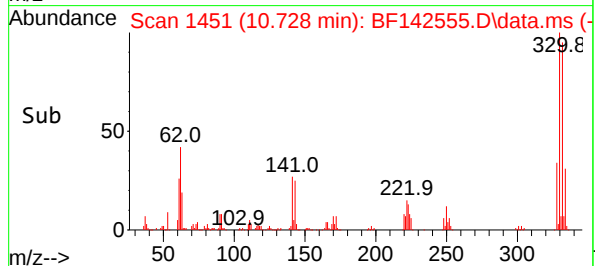
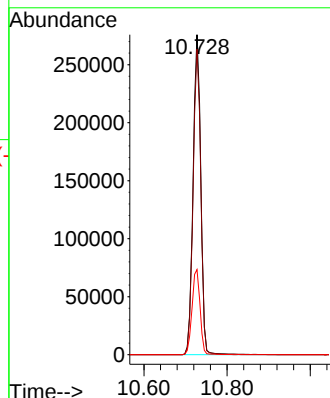
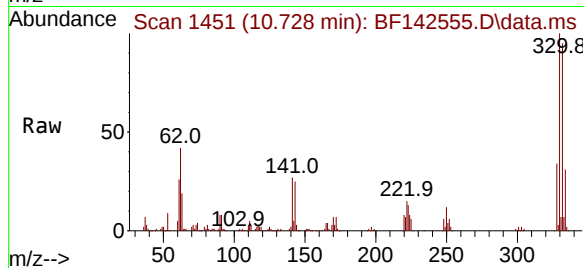
Tgt Ion:330 Resp: 353739

Ion Ratio Lower Upper

330 100

332 95.3 77.6 116.4

141 27.8 24.6 36.8



#45

2-Fluorobiphenyl

Concen: 73.419 ng

RT: 9.257 min Scan# 1201

Delta R.T. -0.011 min

Lab File: BF142555.D

Acq: 27 May 2025 11:42

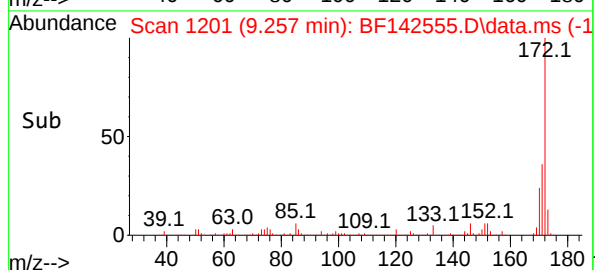
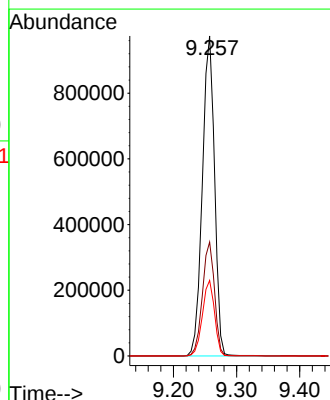
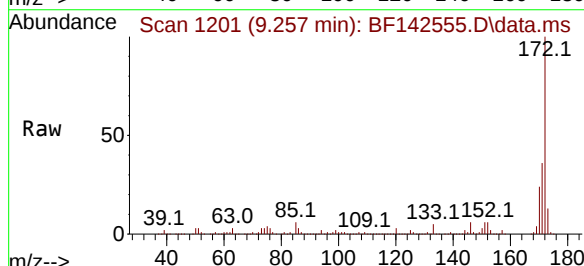
Tgt Ion:172 Resp: 1309789

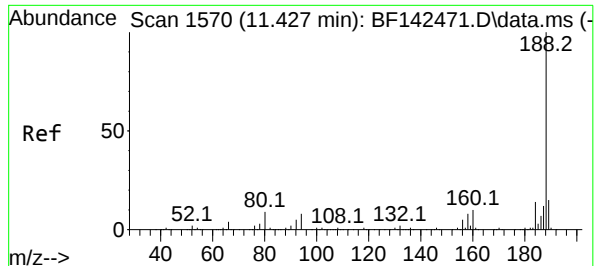
Ion Ratio Lower Upper

172 100

171 35.6 28.6 42.8

170 23.6 18.9 28.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.422 min Scan# 1

Delta R.T. -0.011 min

Lab File: BF142555.D

Acq: 27 May 2025 11:42

Instrument :

BNA_F

ClientSampleId :

PB168143BL

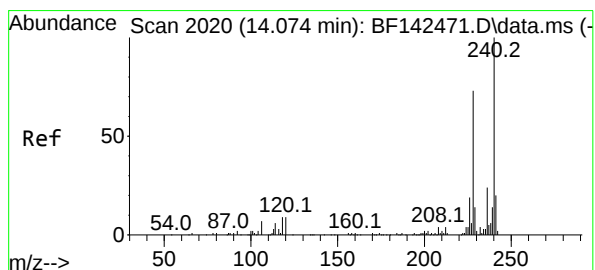
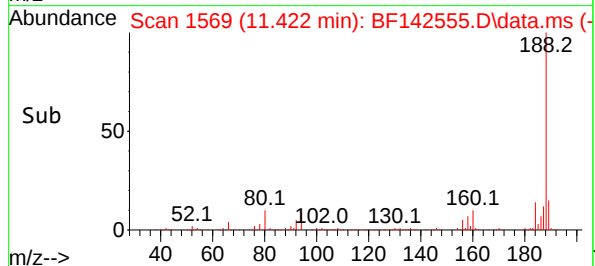
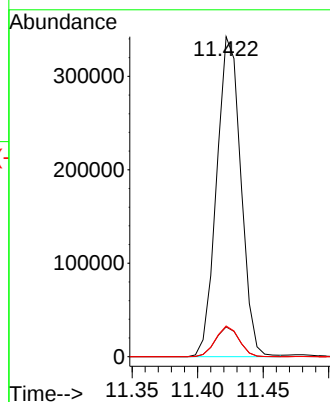
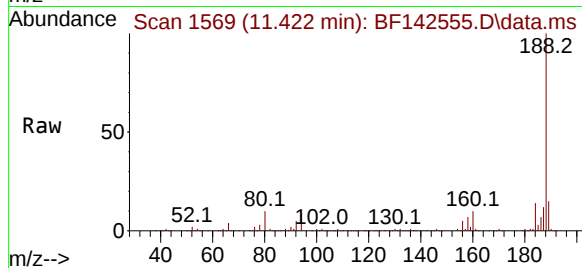
Tgt Ion:188 Resp: 439419

Ion Ratio Lower Upper

188 100

94 9.3 6.6 10.0

80 9.6 7.4 11.0



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.063 min Scan# 2018

Delta R.T. -0.011 min

Lab File: BF142555.D

Acq: 27 May 2025 11:42

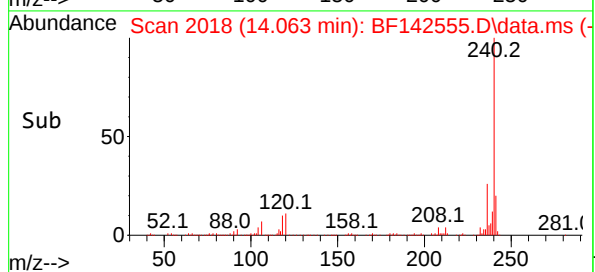
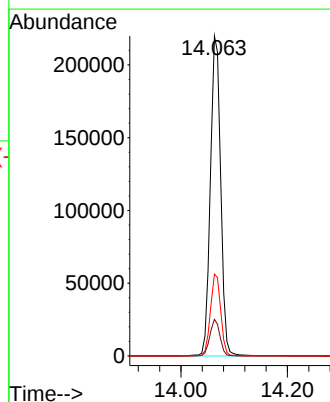
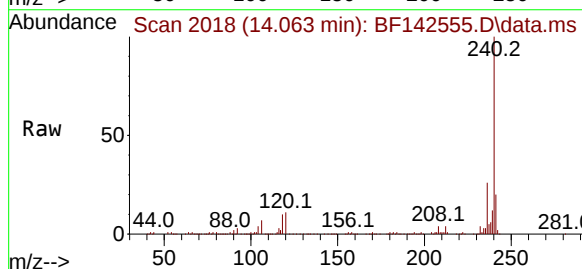
Tgt Ion:240 Resp: 295396

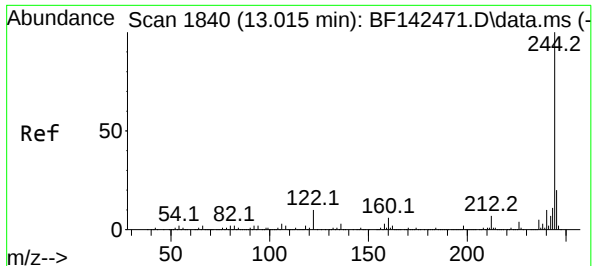
Ion Ratio Lower Upper

240 100

120 11.4 7.5 11.3#

236 25.6 19.6 29.4





#79

Terphenyl-d14

Concen: 69.507 ng

RT: 13.016 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF142555.D

Acq: 27 May 2025 11:42

Instrument :

BNA_F

ClientSampleId :

PB168143BL

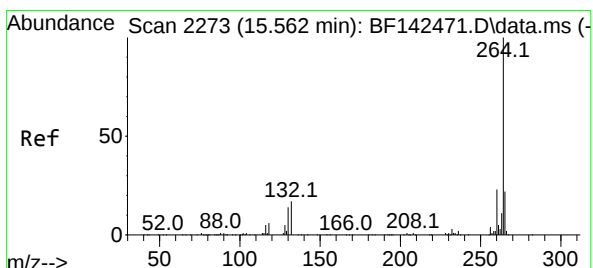
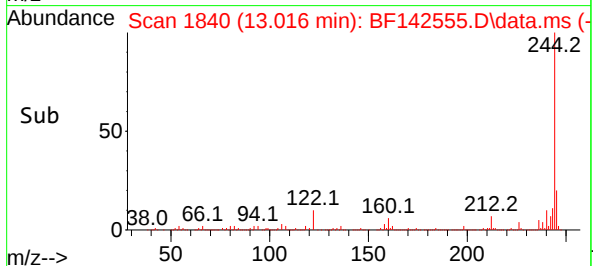
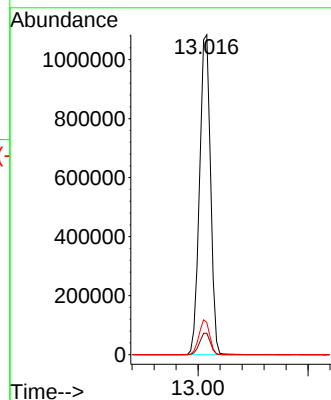
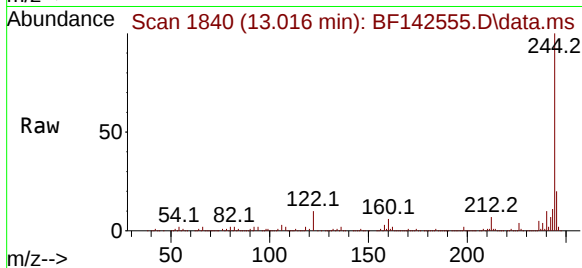
Tgt Ion:244 Resp: 1502475

Ion Ratio Lower Upper

244 100

212 6.7 5.3 7.9

122 10.0 8.2 12.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.557 min Scan# 2272

Delta R.T. -0.011 min

Lab File: BF142555.D

Acq: 27 May 2025 11:42

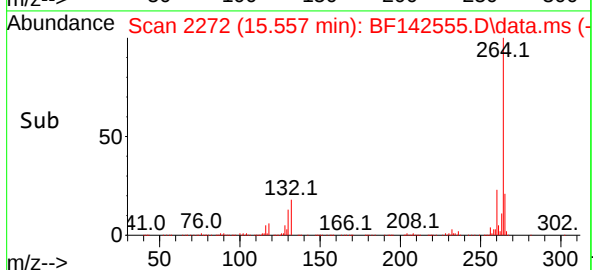
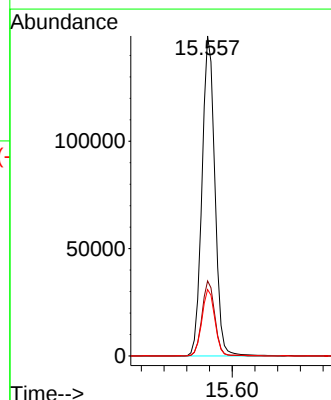
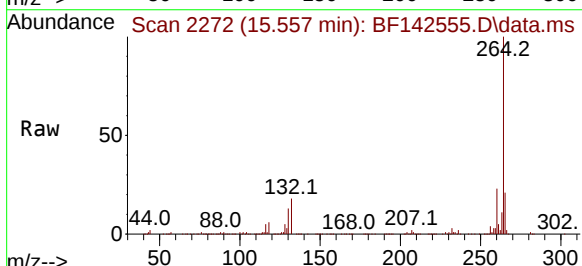
Tgt Ion:264 Resp: 234182

Ion Ratio Lower Upper

264 100

260 23.5 18.6 28.0

265 20.8 17.7 26.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052725\
 Data File : BF142555.D
 Acq On : 27 May 2025 11:42
 Operator : RC/JU
 Sample : PB168143BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB168143BL

A
B
C
D
E
F
G
H
I
J
K

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: BF142555.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.246	3	9	16	rVB	38255	65377	1.66%	0.287%
2	5.134	493	500	513	rBV	185937	301365	7.64%	1.321%
3	5.522	559	566	571	rBV	2053231	2806731	71.19%	12.306%
4	6.522	729	736	741	rBV	1959863	2834076	71.88%	12.426%
5	6.899	794	800	805	rBV	481917	617824	15.67%	2.709%
6	7.457	888	895	900	rBV	1327601	1857269	47.11%	8.143%
7	8.181	1012	1018	1037	rBV	618198	823181	20.88%	3.609%
8	9.257	1194	1201	1206	rBV	2759919	3688743	93.56%	16.173%
9	9.934	1310	1316	1326	rBV	771124	985829	25.00%	4.322%
10	10.728	1445	1451	1456	rBV	1857631	2421391	61.41%	10.617%
11	11.422	1564	1569	1576	rBV	827159	1055092	26.76%	4.626%
12	13.010	1833	1839	1845	rBV	2849118	3942723	100.00%	17.287%
13	14.063	2009	2018	2026	rBV	587144	789555	20.03%	3.462%
14	15.557	2266	2272	2284	rBV	393654	618455	15.69%	2.712%

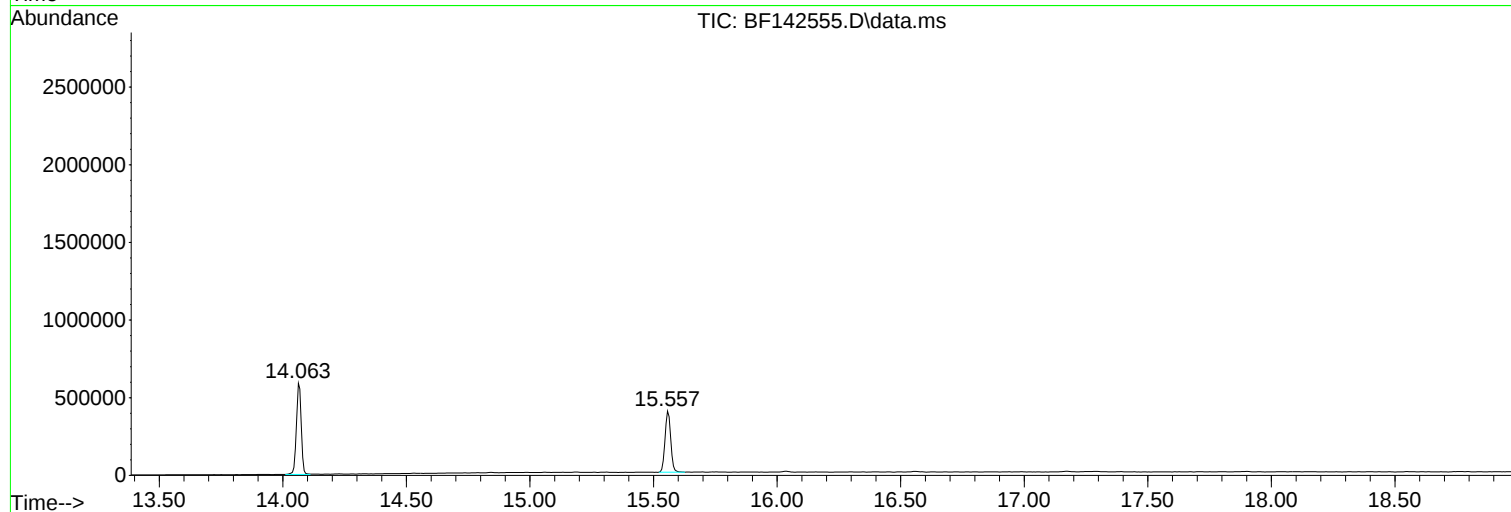
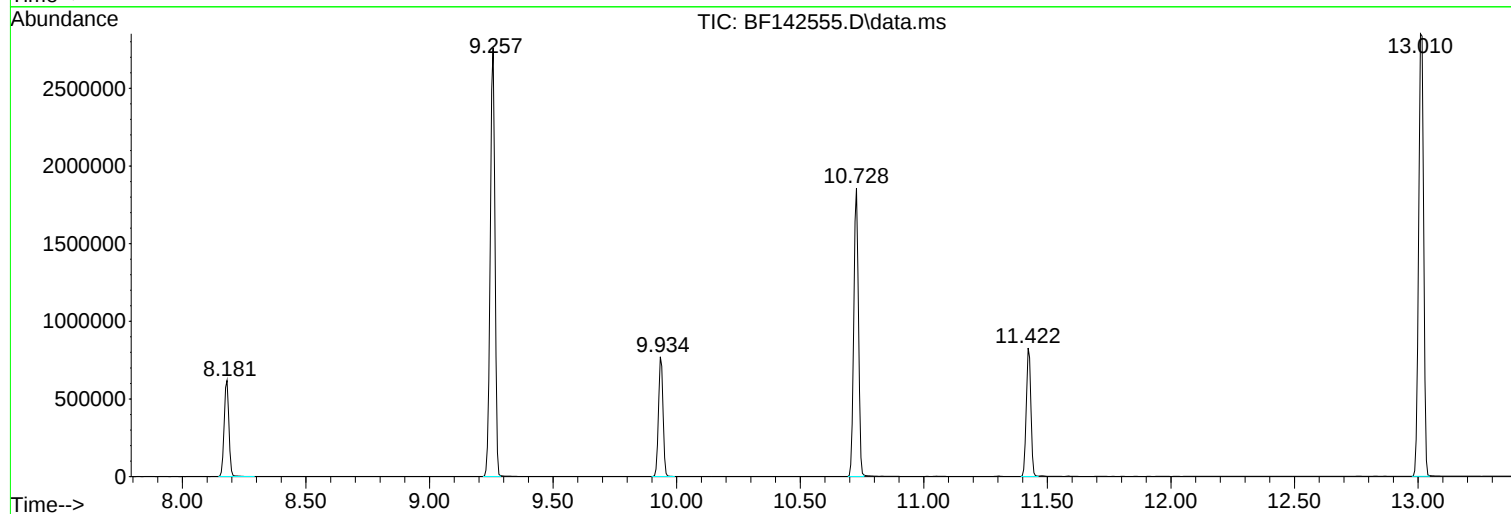
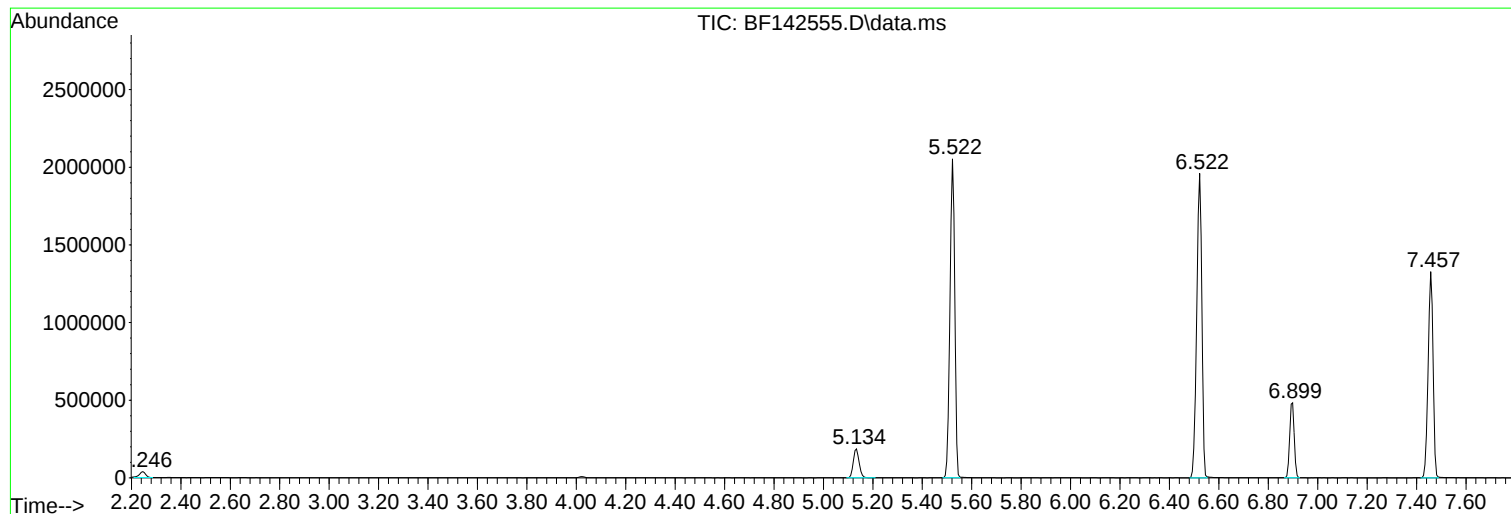
Sum of corrected areas: 22807611

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052725\
Data File : BF142555.D
Acq On : 27 May 2025 11:42
Operator : RC/JU
Sample : PB168143BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168143BL

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\BF052725\
Data File : BF142555.D
Acq On : 27 May 2025 11:42
Operator : RC/JU
Sample : PB168143BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168143BL

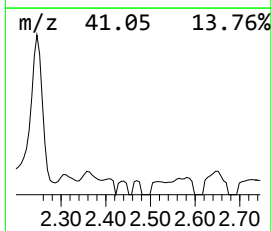
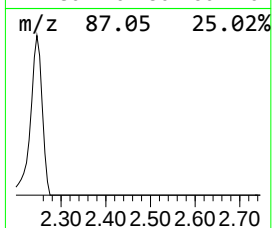
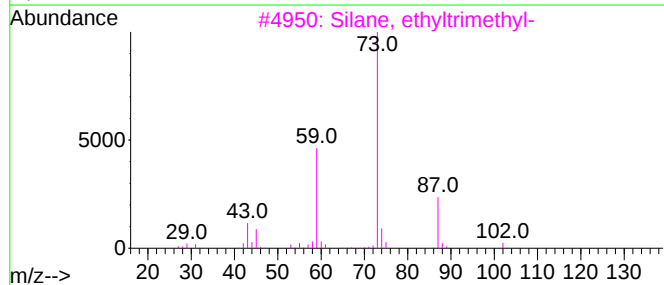
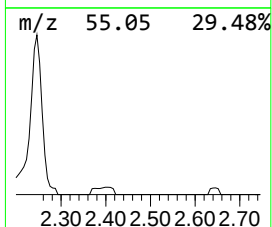
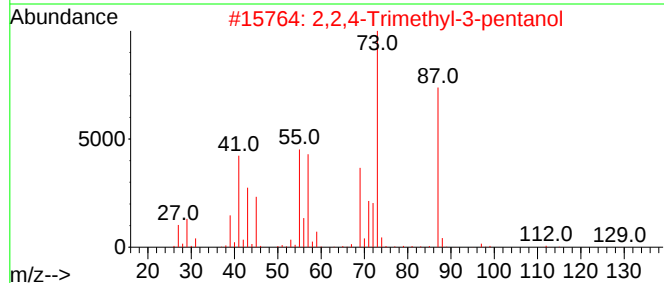
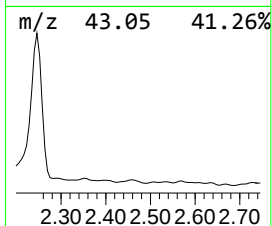
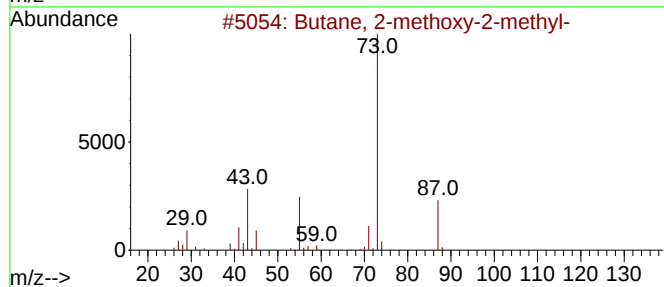
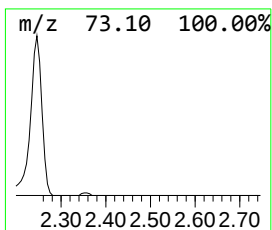
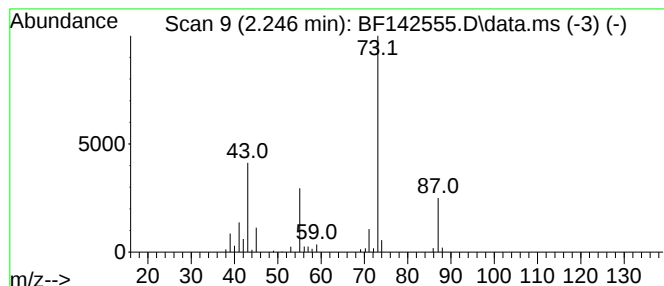
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.246	2.12 ng	65377	1,4-Dichlorobenzene-d4	6.899

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2		2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3		Silane, ethyltrimethyl-	102	C5H14Si	003439-38-1	36
4		3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	25
5		Silane, tetramethyl-	88	C4H12Si	000075-76-3	23



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052725\
Data File : BF142555.D
Acq On : 27 May 2025 11:42
Operator : RC/JU
Sample : PB168143BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168143BL

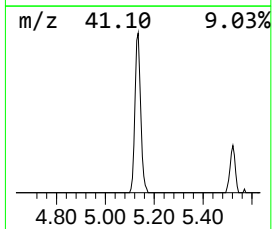
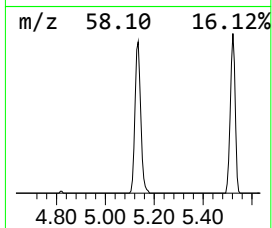
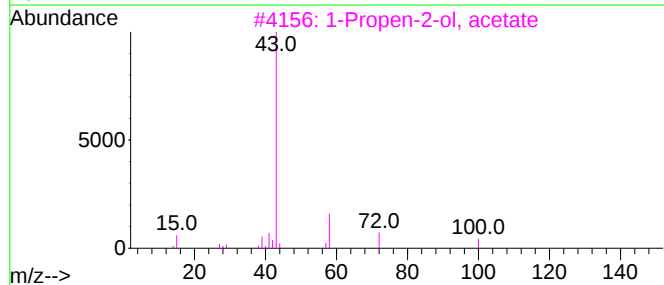
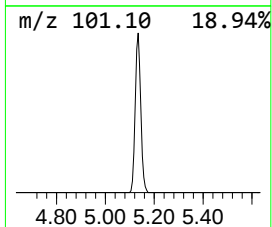
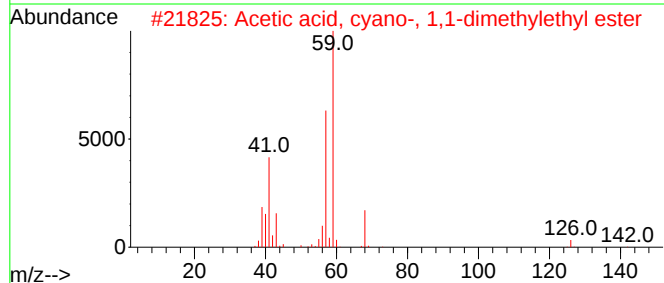
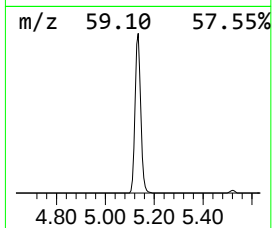
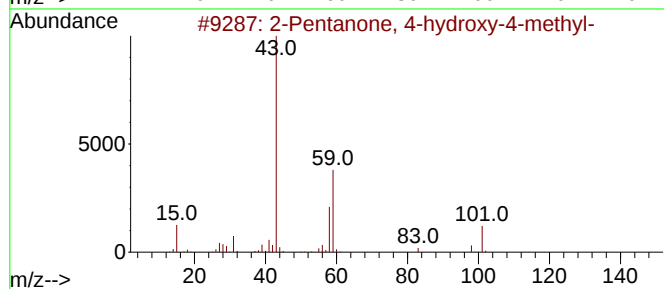
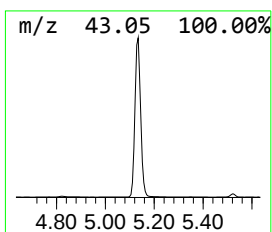
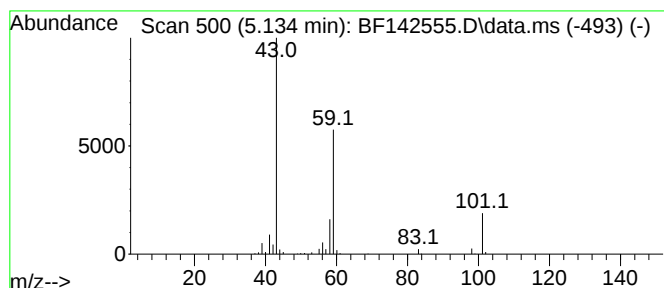
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.134	9.76 ng	301365	1,4-Dichlorobenzene-d4	6.899

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2			Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
3			1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12
4			5-Oxohexanenitrile	111	C6H9NO	010412-98-3	9
5			3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	9



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052725\
Data File : BF142555.D
Acq On : 27 May 2025 11:42
Operator : RC/JU
Sample : PB168143BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168143BL

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-metho...	2.246	2.1	ng	65377	1	6.899	617824	20.0
2-Pentanone, 4-...	5.134	9.8	ng	301365	1	6.899	617824	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052725\
 Data File : BF142556.D
 Acq On : 27 May 2025 12:11
 Operator : RC/JU
 Sample : PB168143BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB168143BS

Quant Time: May 27 12:43:15 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	120106	20.000	ng	0.00
21) Naphthalene-d8	8.186	136	472385	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	264185	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	473279	20.000	ng	0.00
76) Chrysene-d12	14.074	240	277045	20.000	ng	0.00
86) Perylene-d12	15.562	264	252806	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	856446	120.136	ng	0.01
7) Phenol-d6	6.528	99	1065890	124.207	ng	0.00
23) Nitrobenzene-d5	7.463	82	654131	75.508	ng	-0.01
42) 2,4,6-Tribromophenol	10.733	330	386188	131.709	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	1404017	71.314	ng	0.00
79) Terphenyl-d14	13.016	244	1530542	75.495	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.763	88	104221	36.534	ng	99
3) Pyridine	3.516	79	292099	40.209	ng	98
4) n-Nitrosodimethylamine	3.475	42	159374	42.253	ng	94
6) Aniline	6.563	93	296587	25.704	ng	100
8) 2-Chlorophenol	6.681	128	343078	44.183	ng	98
9) Benzaldehyde	6.451	77	198272	38.414	ng	100
10) Phenol	6.545	94	410821	42.545	ng	95
11) bis(2-Chloroethyl)ether	6.634	93	304203	43.765	ng	100
12) 1,3-Dichlorobenzene	6.839	146	360722	41.632	ng	99
13) 1,4-Dichlorobenzene	6.916	146	366370	41.977	ng	99
14) 1,2-Dichlorobenzene	7.069	146	349809	41.886	ng	100
15) Benzyl Alcohol	7.039	79	280767	44.273	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.175	45	497464	42.617	ng	99
17) 2-Methylphenol	7.151	107	268857	44.348	ng	99
18) Hexachloroethane	7.410	117	126639	41.553	ng	97
19) n-Nitroso-di-n-propyla...	7.310	70	223290	41.984	ng	100
20) 3+4-Methylphenols	7.304	107	337484	43.470	ng	98
22) Acetophenone	7.310	105	443941	42.453	ng	99
24) Nitrobenzene	7.481	77	335756	42.972	ng	98
25) Isophorone	7.722	82	619154	42.747	ng	99
26) 2-Nitrophenol	7.798	139	188155	45.068	ng	97
27) 2,4-Dimethylphenol	7.833	122	326008	44.280	ng	99
28) bis(2-Chloroethoxy)met...	7.928	93	392401	43.370	ng	99
29) 2,4-Dichlorophenol	8.039	162	299491	44.730	ng	99
30) 1,2,4-Trichlorobenzene	8.122	180	311109	42.814	ng	97
31) Naphthalene	8.204	128	985458	42.367	ng	100
32) Benzoic acid	7.957	122	224657	50.127	ng	98
33) 4-Chloroaniline	8.251	127	80502	8.541	ng	99
34) Hexachlorobutadiene	8.322	225	187381	41.299	ng	99
35) Caprolactam	8.628	113	96060m	51.082	ng	
36) 4-Chloro-3-methylphenol	8.733	107	313802	45.731	ng	98
37) 2-Methylnaphthalene	8.898	142	614795	42.013	ng	100
38) 1-Methylnaphthalene	8.998	142	648412	42.838	ng	99
40) 1,2,4,5-Tetrachloroben...	9.063	216	315760	41.637	ng	99
41) Hexachlorocyclopentadiene	9.051	237	433295	84.697	ng	100
43) 2,4,6-Trichlorophenol	9.175	196	223459	43.698	ng	97

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052725\
 Data File : BF142556.D
 Acq On : 27 May 2025 12:11
 Operator : RC/JU
 Sample : PB168143BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB168143BS

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Quant Time: May 27 12:43:15 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 20 16:26:47 2025
 Response via : Initial Calibration

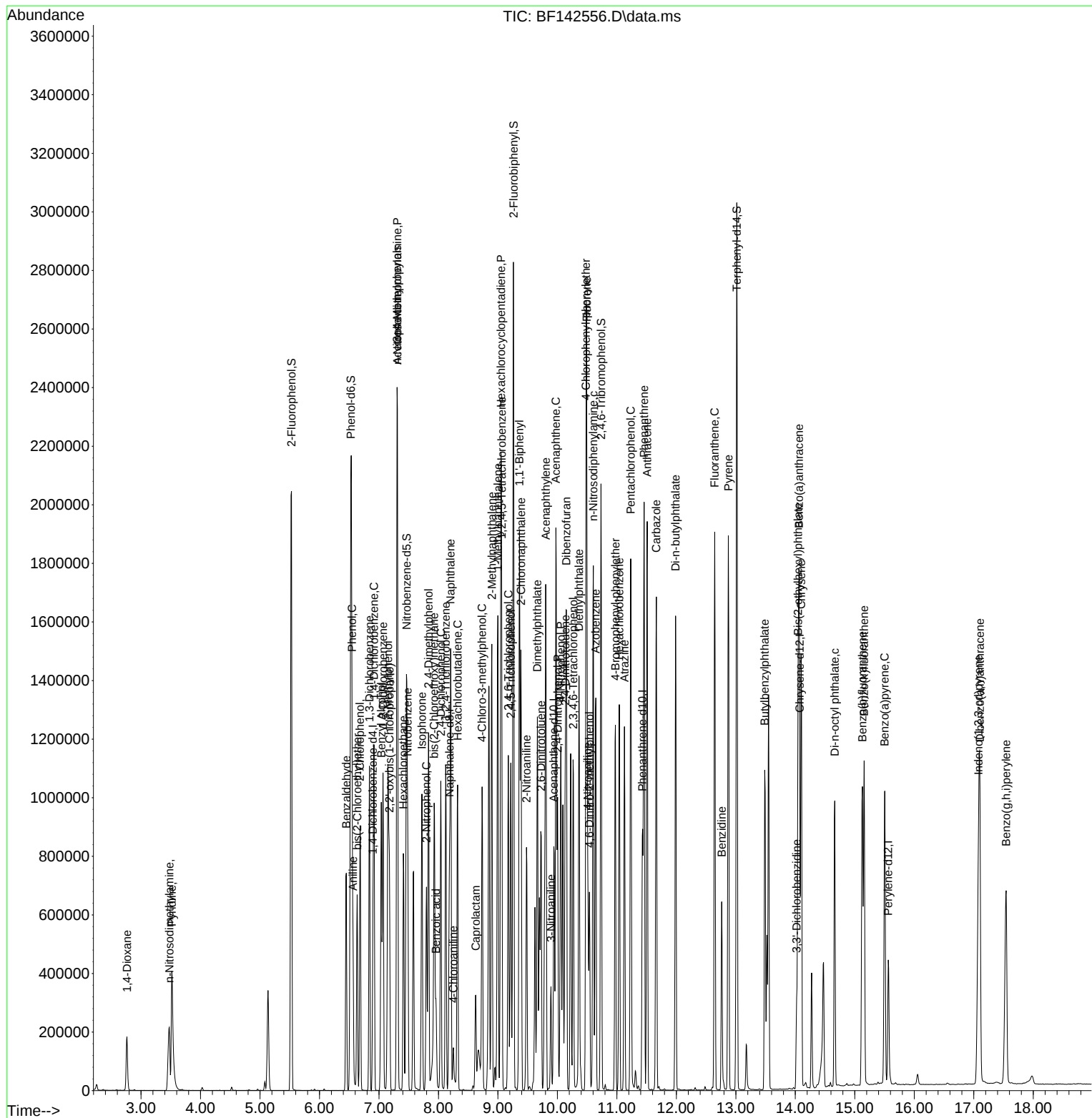
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.216	196	239172	44.347	ng	99
46) 1,1'-Biphenyl	9.363	154	855433	41.737	ng	100
47) 2-Chloronaphthalene	9.386	162	641978	42.394	ng	99
48) 2-Nitroaniline	9.480	65	199170	45.503	ng	99
49) Acenaphthylene	9.804	152	1085030	42.433	ng	99
50) Dimethylphthalate	9.663	163	788495	45.233	ng	99
51) 2,6-Dinitrotoluene	9.727	165	174336	46.337	ng	97
52) Acenaphthene	9.975	154	740615	47.433	ng	100
53) 3-Nitroaniline	9.892	138	82927	20.180	ng	98
54) 2,4-Dinitrophenol	10.004	184	206525	106.250	ng	92
55) Dibenzofuran	10.151	168	969659	43.156	ng	99
56) 4-Nitrophenol	10.057	139	306914	101.222	ng	99
57) 2,4-Dinitrotoluene	10.133	165	242041	49.261	ng	98
58) Fluorene	10.492	166	748792	43.138	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.269	232	206439	45.851	ng	100
60) Diethylphthalate	10.363	149	774294	45.480	ng	100
61) 4-Chlorophenyl-phenyle...	10.480	204	371060	43.515	ng	98
62) 4-Nitroaniline	10.510	138	185925	49.886	ng	98
63) Azobenzene	10.645	77	683843	44.721	ng	99
65) 4,6-Dinitro-2-methylph...	10.539	198	131063	49.622	ng	99
66) n-Nitrosodiphenylamine	10.604	169	672871	41.556	ng	99
67) 4-Bromophenyl-phenylether	10.974	248	235538	42.089	ng	98
68) Hexachlorobenzene	11.039	284	265736	42.933	ng	99
69) Atrazine	11.127	200	217691	50.625	ng	99
70) Pentachlorophenol	11.233	266	314101	89.884	ng	99
71) Phenanthrene	11.457	178	1090302	43.107	ng	100
72) Anthracene	11.510	178	1102148	42.697	ng	99
73) Carbazole	11.663	167	1013432	45.924	ng	100
74) Di-n-butylphthalate	11.986	149	1174359	48.617	ng	99
75) Fluoranthene	12.645	202	1124554	47.583	ng	98
77) Benzidine	12.763	184	357353	34.662	ng	99
78) Pyrene	12.874	202	1125782	43.560	ng	100
80) Butylbenzylphthalate	13.486	149	375686	52.608	ng	99
81) Benzo(a)anthracene	14.063	228	812818	43.937	ng	98
82) 3,3'-Dichlorobenzidine	14.021	252	90586	16.144	ng	99
83) Chrysene	14.098	228	734102	44.161	ng	99
84) Bis(2-ethylhexyl)phtha...	14.045	149	436890	47.790	ng	99
85) Di-n-octyl phthalate	14.662	149	676762	37.861	ng	100
87) Indeno(1,2,3-cd)pyrene	17.080	276	805592	42.446	ng	99
88) Benzo(b)fluoranthene	15.127	252	663713	44.359	ng	98
89) Benzo(k)fluoranthene	15.157	252	640069	45.674	ng	98
90) Benzo(a)pyrene	15.504	252	637798	45.223	ng	99
91) Dibenzo(a,h)anthracene	17.103	278	658445	42.776	ng	100
92) Benzo(g,h,i)perylene	17.545	276	654940	42.539	ng	98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052725\
Data File : BF142556.D
Acq On : 27 May 2025 12:11
Operator : RC/JU
Sample : PB168143BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168143BS

Quant Time: May 27 12:43:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052725\
 Data File : BF142557.D
 Acq On : 27 May 2025 12:39
 Operator : RC/JU
 Sample : PB168143BSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB168143BSD

Quant Time: May 27 13:01:12 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	110909	20.000	ng	0.00
21) Naphthalene-d8	8.186	136	436992	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	243793	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	424557	20.000	ng	0.00
76) Chrysene-d12	14.074	240	233295	20.000	ng	0.00
86) Perylene-d12	15.562	264	236170	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	782953	118.934	ng	0.00
7) Phenol-d6	6.528	99	956580	120.712	ng	0.00
23) Nitrobenzene-d5	7.463	82	591552	73.815	ng	-0.01
42) 2,4,6-Tribromophenol	10.733	330	342451	126.562	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	1284176	70.682	ng	-0.01
79) Terphenyl-d14	13.015	244	1279885	74.970	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.757	88	93586	35.526	ng	100
3) Pyridine	3.516	79	264797	39.473	ng	98
4) n-Nitrosodimethylamine	3.469	42	145045	41.643	ng	93
6) Aniline	6.563	93	277863	26.078	ng	100
8) 2-Chlorophenol	6.681	128	311327	43.418	ng	98
9) Benzaldehyde	6.451	77	180591	37.889	ng	98
10) Phenol	6.539	94	371595	41.674	ng	98
11) bis(2-Chloroethyl)ether	6.634	93	272853	42.510	ng	100
12) 1,3-Dichlorobenzene	6.839	146	333178	41.641	ng	99
13) 1,4-Dichlorobenzene	6.916	146	336857	41.796	ng	99
14) 1,2-Dichlorobenzene	7.069	146	320246	41.526	ng	99
15) Benzyl Alcohol	7.039	79	252511	43.119	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.169	45	457857	42.477	ng	96
17) 2-Methylphenol	7.151	107	245308	43.819	ng	99
18) Hexachloroethane	7.410	117	116003	41.219	ng	97
19) n-Nitroso-di-n-propyla...	7.310	70	206493	42.045	ng	99
20) 3+4-Methylphenols	7.304	107	301076	41.997	ng	96
22) Acetophenone	7.304	105	401105	41.464	ng	95
24) Nitrobenzene	7.481	77	303312	41.964	ng	99
25) Isophorone	7.722	82	559801	41.780	ng	99
26) 2-Nitrophenol	7.798	139	170673	44.192	ng	97
27) 2,4-Dimethylphenol	7.833	122	296614	43.550	ng	100
28) bis(2-Chloroethoxy)met...	7.928	93	355377	42.459	ng	99
29) 2,4-Dichlorophenol	8.039	162	268022	43.272	ng	100
30) 1,2,4-Trichlorobenzene	8.122	180	283124	42.118	ng	98
31) Naphthalene	8.204	128	901109	41.878	ng	100
32) Benzoic acid	7.951	122	197606	47.663	ng	98
33) 4-Chloroaniline	8.251	127	79880	9.162	ng	97
34) Hexachlorobutadiene	8.322	225	170806	40.695	ng	98
35) Caprolactam	8.622	113	83564m	48.036	ng	
36) 4-Chloro-3-methylphenol	8.733	107	278698	43.905	ng	98
37) 2-Methylnaphthalene	8.898	142	564873	41.728	ng	99
38) 1-Methylnaphthalene	8.998	142	582789	41.621	ng	100
40) 1,2,4,5-Tetrachloroben...	9.063	216	287406	41.068	ng	99
41) Hexachlorocyclopentadiene	9.051	237	397060	84.106	ng	99
43) 2,4,6-Trichlorophenol	9.175	196	202473	42.906	ng	97

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052725\
 Data File : BF142557.D
 Acq On : 27 May 2025 12:39
 Operator : RC/JU
 Sample : PB168143BSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB168143BSD

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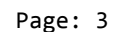
Quant Time: May 27 13:01:12 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 20 16:26:47 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.216	196	215868	43.374	ng	98
46) 1,1'-Biphenyl	9.363	154	770161	40.719	ng	99
47) 2-Chloronaphthalene	9.386	162	572831	40.992	ng	99
48) 2-Nitroaniline	9.480	65	174413	43.180	ng	97
49) Acenaphthylene	9.804	152	985306	41.756	ng	100
50) Dimethylphthalate	9.663	163	691750	43.002	ng	100
51) 2,6-Dinitrotoluene	9.722	165	154675	44.550	ng	99
52) Acenaphthene	9.974	154	667231	46.307	ng	100
53) 3-Nitroaniline	9.892	138	72247	19.052	ng	98
54) 2,4-Dinitrophenol	9.998	184	184224	102.704	ng	93
55) Dibenzofuran	10.151	168	864711	41.704	ng	99
56) 4-Nitrophenol	10.051	139	256288	91.595	ng	98
57) 2,4-Dinitrotoluene	10.127	165	214136	47.227	ng	99
58) Fluorene	10.492	166	672154	41.962	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.263	232	177969	42.834	ng	98
60) Diethylphthalate	10.363	149	682499	43.442	ng	100
61) 4-Chlorophenyl-phenyle...	10.480	204	328958	41.805	ng	98
62) 4-Nitroaniline	10.510	138	158084	45.964	ng	98
63) Azobenzene	10.639	77	609467	43.191	ng	98
65) 4,6-Dinitro-2-methylph...	10.539	198	115059	48.561	ng	97
66) n-Nitrosodiphenylamine	10.604	169	602642	41.490	ng	100
67) 4-Bromophenyl-phenylether	10.974	248	209595	41.751	ng	97
68) Hexachlorobenzene	11.039	284	230219	41.463	ng	99
69) Atrazine	11.127	200	182674	47.356	ng	100
70) Pentachlorophenol	11.233	266	272347	86.880	ng	99
71) Phenanthrene	11.457	178	943128	41.567	ng	100
72) Anthracene	11.510	178	963931	41.628	ng	99
73) Carbazole	11.663	167	866693	43.781	ng	99
74) Di-n-butylphthalate	11.986	149	1003125	46.294	ng	99
75) Fluoranthene	12.645	202	950013	44.810	ng	99
77) Benzidine	12.763	184	284788	32.804	ng	99
78) Pyrene	12.874	202	937667	43.085	ng	100
80) Butylbenzylphthalate	13.486	149	299031	49.726	ng	100
81) Benzo(a)anthracene	14.062	228	679726	43.633	ng	99
82) 3,3'-Dichlorobenzidine	14.021	252	78017	16.511	ng	99
83) Chrysene	14.098	228	599174	42.804	ng	99
84) Bis(2-ethylhexyl)phtha...	14.045	149	371540	48.263	ng	99
85) Di-n-octyl phthalate	14.662	149	628500	41.754	ng	99
87) Indeno(1,2,3-cd)pyrene	17.086	276	752003	42.414	ng	99
88) Benzo(b)fluoranthene	15.127	252	593611	42.469	ng	99
89) Benzo(k)fluoranthene	15.156	252	568001	43.387	ng	99
90) Benzo(a)pyrene	15.504	252	578256	43.889	ng	99
91) Dibenzo(a,h)anthracene	17.103	278	613397	42.656	ng	99
92) Benzo(g,h,i)perylene	17.545	276	610242	42.428	ng	99

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

Instrument :
BNA_F
ClientSampleId :
PB168143BSD

A
B
C
D
E
F
G
H
I
J
K



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:	bf052325	Instrument	BNA_f
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
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Manual Integration Report

Sequence:	bf052725	Instrument	BNA_f
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB168143BS	BF142556.D	Caprolactam	Rahul	5/27/2025 4:56:41 PM	Jagrut	5/28/2025 5:50:00 PM	Peak Integrated by Software
PB168143BSD	BF142557.D	Caprolactam	Rahul	5/27/2025 4:56:43 PM	Jagrut	5/28/2025 5:50:02 PM	Peak Integrated by Software

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch 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

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF052325

Review By	Rahul	Review On	5/27/2025 10:55:40 AM
Supervise By	Jagrut	Supervise On	5/27/2025 2:38:36 PM
SubDirectory	BF052325	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	S12666,10ul/1000ul sample		
ICV/I.BLK	SP6770		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF142526.D	23 May 2025 10:43	RC/JU	Ok
2	SSTDCCC040	BF142527.D	23 May 2025 11:12	RC/JU	Ok
3	PB168126BL	BF142528.D	23 May 2025 11:41	RC/JU	Ok
4	PB168126BS	BF142529.D	23 May 2025 12:10	RC/JU	Ok,M
5	Q2100-04	BF142530.D	23 May 2025 12:43	RC/JU	Ok
6	Q2100-04MS	BF142531.D	23 May 2025 13:12	RC/JU	Ok,M
7	Q2100-04MSD	BF142532.D	23 May 2025 13:41	RC/JU	Ok,M
8	Q2097-03	BF142533.D	23 May 2025 14:10	RC/JU	Ok
9	Q2097-03MS	BF142534.D	23 May 2025 14:39	RC/JU	Ok,M
10	Q2097-03MSD	BF142535.D	23 May 2025 15:07	RC/JU	Ok,M
11	Q2100-02	BF142536.D	23 May 2025 15:37	RC/JU	Ok
12	Q2100-01	BF142537.D	23 May 2025 16:05	RC/JU	Ok
13	Q2114-01	BF142538.D	23 May 2025 16:34	RC/JU	Ok
14	Q2095-04	BF142539.D	23 May 2025 17:03	RC/JU	Ok
15	Q2095-04MS	BF142540.D	23 May 2025 17:32	RC/JU	Ok,M
16	Q2095-04MSD	BF142541.D	23 May 2025 18:01	RC/JU	Ok,M
17	Q2109-04	BF142542.D	23 May 2025 18:29	RC/JU	Ok
18	Q2102-03	BF142543.D	23 May 2025 18:58	RC/JU	Ok,M
19	Q2109-01	BF142544.D	23 May 2025 19:27	RC/JU	Dilution
20	Q2109-01MS	BF142545.D	23 May 2025 19:56	RC/JU	Ok,M
21	Q2109-01MSD	BF142546.D	23 May 2025 20:25	RC/JU	Ok,M

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF052325

Review By	Rahul	Review On	5/27/2025 10:55:40 AM		
Supervise By	Jagrut	Supervise On	5/27/2025 2:38:36 PM		
SubDirectory	BF052325	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	S12666,10ul/1000ul sample				
ICV/I.BLK	SP6770				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

22	Q2100-03	BF142547.D	23 May 2025 20:53	RC/JU	Ok
23	Q2112-01	BF142548.D	23 May 2025 21:22	RC/JU	Ok,M
24	Q2113-01	BF142549.D	23 May 2025 21:51	RC/JU	Ok
25	Q2102-01	BF142550.D	23 May 2025 22:21	RC/JU	Ok,M

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF052725

Review By	Rahul	Review On	5/27/2025 4:59:26 PM
Supervise By	Jagrut	Supervise On	5/28/2025 5:50:27 PM
SubDirectory	BF052725	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	S12666,10ul/1000ul sample		
ICV/I.BLK	SP6770		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF142551.D	27 May 2025 09:47	RC/JU	Ok
2	SSTDCCC040	BF142552.D	27 May 2025 10:15	RC/JU	Ok
3	PB168148BL	BF142553.D	27 May 2025 10:45	RC/JU	Ok
4	PB168148BS	BF142554.D	27 May 2025 11:14	RC/JU	Ok,M
5	PB168143BL	BF142555.D	27 May 2025 11:42	RC/JU	Ok
6	PB168143BS	BF142556.D	27 May 2025 12:11	RC/JU	Ok,M
7	PB168143BSD	BF142557.D	27 May 2025 12:39	RC/JU	Ok,M
8	PB168164BL	BF142558.D	27 May 2025 13:24	RC/JU	Ok
9	PB168164BS	BF142559.D	27 May 2025 13:52	RC/JU	Ok,M
10	Q2109-01DL	BF142560.D	27 May 2025 14:26	RC/JU	Ok,M
11	Q2127-11	BF142561.D	27 May 2025 14:55	RC/JU	Ok,M
12	Q2127-01	BF142562.D	27 May 2025 15:23	RC/JU	Ok,M
13	Q2127-01MS	BF142563.D	27 May 2025 15:52	RC/JU	Ok,M
14	Q2127-01MSD	BF142564.D	27 May 2025 16:21	RC/JU	Ok,M

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch 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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF052325

Review By	Rahul	Review On	5/27/2025 10:55:40 AM		
Supervise By	Jagrut	Supervise On	5/27/2025 2:38:36 PM		
SubDirectory	BF052325	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	S12666,10ul/1000ul sample				
ICV/I.BLK	SP6770				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF142526.D	23 May 2025 10:43		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF142527.D	23 May 2025 11:12		RC/JU	Ok
3	PB168126BL	PB168126BL	BF142528.D	23 May 2025 11:41		RC/JU	Ok
4	PB168126BS	PB168126BS	BF142529.D	23 May 2025 12:10		RC/JU	Ok,M
5	Q2100-04	TP-45	BF142530.D	23 May 2025 12:43		RC/JU	Ok
6	Q2100-04MS	TP-45MS	BF142531.D	23 May 2025 13:12		RC/JU	Ok,M
7	Q2100-04MSD	TP-45MSD	BF142532.D	23 May 2025 13:41		RC/JU	Ok,M
8	Q2097-03	RBR200044	BF142533.D	23 May 2025 14:10		RC/JU	Ok
9	Q2097-03MS	RBR200044MS	BF142534.D	23 May 2025 14:39		RC/JU	Ok,M
10	Q2097-03MSD	RBR200044MSD	BF142535.D	23 May 2025 15:07		RC/JU	Ok,M
11	Q2100-02	TP-22	BF142536.D	23 May 2025 15:37		RC/JU	Ok
12	Q2100-01	TP-16	BF142537.D	23 May 2025 16:05		RC/JU	Ok
13	Q2114-01	GAW1	BF142538.D	23 May 2025 16:34		RC/JU	Ok
14	Q2095-04	WCS-TP1	BF142539.D	23 May 2025 17:03		RC/JU	Ok
15	Q2095-04MS	WCS-TP1MS	BF142540.D	23 May 2025 17:32		RC/JU	Ok,M
16	Q2095-04MSD	WCS-TP1MSD	BF142541.D	23 May 2025 18:01		RC/JU	Ok,M
17	Q2109-04	TP-02-MHF	BF142542.D	23 May 2025 18:29		RC/JU	Ok
18	Q2102-03	LAW-25-0078	BF142543.D	23 May 2025 18:58	Internal standard fail	RC/JU	Ok,M

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF052325

Review By	Rahul	Review On	5/27/2025 10:55:40 AM		
Supervise By	Jagrut	Supervise On	5/27/2025 2:38:36 PM		
SubDirectory	BF052325	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	S12666,10ul/1000ul sample				
ICV/I.BLK	SP6770				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

19	Q2109-01	TP-02-MHF	BF142544.D	23 May 2025 19:27	Need 2X Dilution	RC/JU	Dilution
20	Q2109-01MS	TP-02-MHFMS	BF142545.D	23 May 2025 19:56		RC/JU	Ok,M
21	Q2109-01MSD	TP-02-MHFMSD	BF142546.D	23 May 2025 20:25		RC/JU	Ok,M
22	Q2100-03	TP-21	BF142547.D	23 May 2025 20:53		RC/JU	Ok
23	Q2112-01	EO-03-05222025	BF142548.D	23 May 2025 21:22		RC/JU	Ok,M
24	Q2113-01	HD-02-05222025	BF142549.D	23 May 2025 21:51		RC/JU	Ok
25	Q2102-01	LAW-25-0077	BF142550.D	23 May 2025 22:21	Internal Standard Fail	RC/JU	Ok,M

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF052725

Review By	Rahul	Review On	5/27/2025 4:59:26 PM		
Supervise By	Jagrut	Supervise On	5/28/2025 5:50:27 PM		
SubDirectory	BF052725	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	S12666,10ul/1000ul sample				
ICV/I.BLK	SP6770				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF142551.D	27 May 2025 09:47		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF142552.D	27 May 2025 10:15		RC/JU	Ok
3	PB168148BL	PB168148BL	BF142553.D	27 May 2025 10:45		RC/JU	Ok
4	PB168148BS	PB168148BS	BF142554.D	27 May 2025 11:14		RC/JU	Ok,M
5	PB168143BL	PB168143BL	BF142555.D	27 May 2025 11:42		RC/JU	Ok
6	PB168143BS	PB168143BS	BF142556.D	27 May 2025 12:11		RC/JU	Ok,M
7	PB168143BSD	PB168143BSD	BF142557.D	27 May 2025 12:39		RC/JU	Ok,M
8	PB168164BL	PB168164BL	BF142558.D	27 May 2025 13:24		RC/JU	Ok
9	PB168164BS	PB168164BS	BF142559.D	27 May 2025 13:52		RC/JU	Ok,M
10	Q2109-01DL	TP-02-MHFDL	BF142560.D	27 May 2025 14:26		RC/JU	Ok,M
11	Q2127-11	COMP-2	BF142561.D	27 May 2025 14:55		RC/JU	Ok,M
12	Q2127-01	COMP-1	BF142562.D	27 May 2025 15:23		RC/JU	Ok,M
13	Q2127-01MS	COMP-1MS	BF142563.D	27 May 2025 15:52		RC/JU	Ok,M
14	Q2127-01MSD	COMP-1MSD	BF142564.D	27 May 2025 16:21		RC/JU	Ok,M

M : Manual Integration

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

Clean Up SOP #: N/A **Extraction Start Date :** 05/23/2025

Matrix : Water **Extraction Start Time :** 08:31

Weigh By: N/A **Extraction By:** RS **Extraction End Date :** 05/23/2025

Balance check: N/A **Filter By:** RJ **Extraction End Time :** 13:30

Balance ID: N/A **pH Meter ID:** N/A **Concentration By:** EH

pH Strip Lot#: E3880 **Hood ID:** 4,6,7 **Supervisor By :** RUPESH

Extraction Method: ☒ Separatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☐ Soxhlet

Standard 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
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

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

KD Bath ID: WATER BATH-1,2 **Envap ID:** NEVAP-02

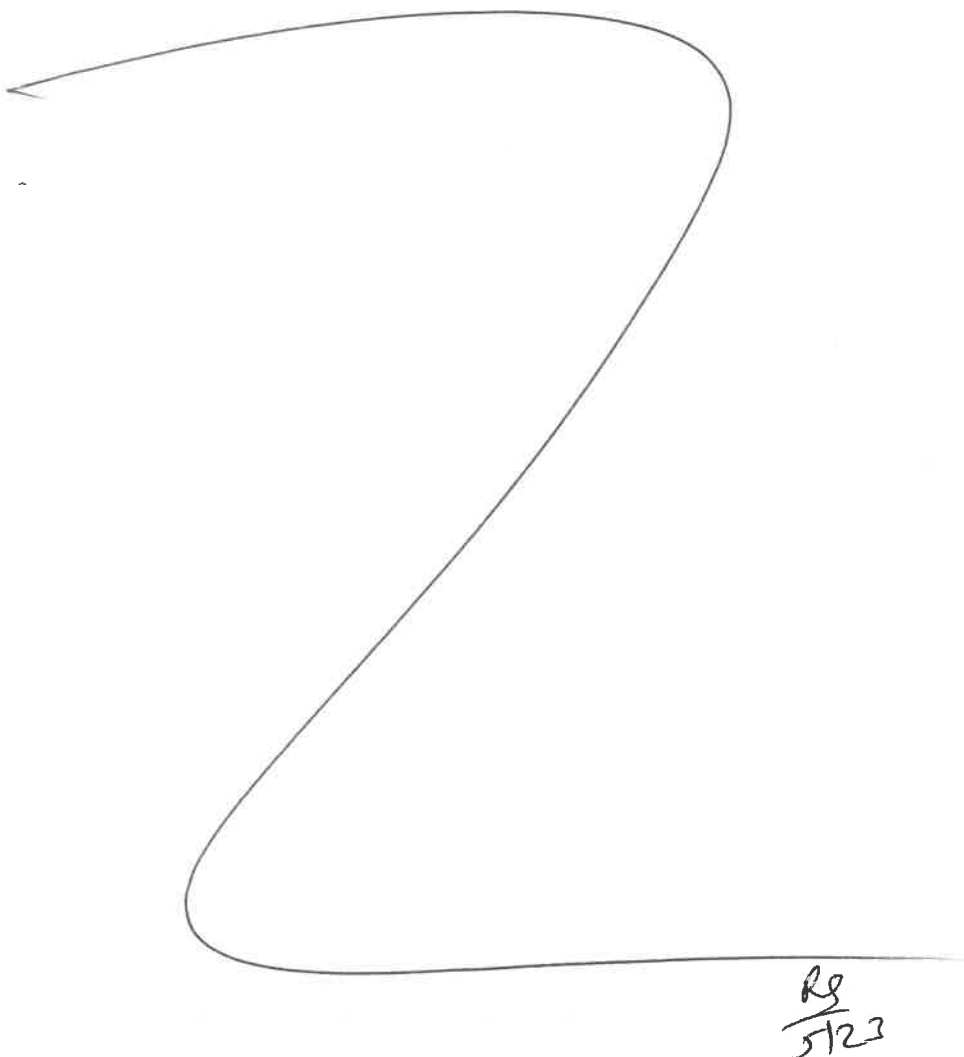
KD Bath Temperature: 60 °C **Envap Temperature:** 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
5/23/25	RS (EQ Lab)	RCBvoc
13:35	Preparation Group	Analysis Group

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

Concentration Date: 05/23/2025

Sample ID	Client Sample ID	Test	g /mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168143BL	SBLK143	SVOC-TCL BNA -20	1000	6	ritesh	Evelyn	1			SEP-7
PB168143BS	SLCS143	SVOC-TCL BNA -20	1000	6	ritesh	Evelyn	1			8
PB168143BS D	SLCSD143	SVOC-TCL BNA -20	1000	6	ritesh	Evelyn	1			9
Q2102-03	LAW-25-0078	SVOC-TCL BNA -20	1000	6	ritesh	Evelyn	1	N		10
Q2106-01	TW-WTS-09	SVOCMS Group4	980	12	ritesh	Evelyn	1	G		11
Q2114-01	GAW1	SVOCMS Group1	990	6	ritesh	Evelyn	1	D		12



* Extracts relinquished on the same date as received.

168M3
8:31

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2106

WorkList ID : 189729

Department : Extraction

Date : 05-23-2025 08:26:36

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2102-03	LAW-25-0078	Water	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L21	05/21/2025	8270E
Q2106-01	TW-WTS-09	Water	SVOCMS Group4	Cool 4 deg C	ENTA05	L31	05/19/2025	8270E
Q2114-01	GAW1	Water	SVOCMS Group1	Cool 4 deg C	GENV01	L31	05/22/2025	8270E

Date/Time 5/23/25 8:26

Raw Sample Received by: RS (EXT Lab)

Raw Sample Relinquished by: CS

Date/Time 5/23/25 9:05

Raw Sample Received by: CS

Raw Sample Relinquished by: RS (EXT Lab)

LAB CHRONICLE

OrderID:	Q2114	OrderDate:	5/22/2025 1:35:55 PM
Client:	G Environmental	Project:	Mt. Holly
Contact:	Gary Landis	Location:	L31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2114-01	GAW1	Water	SVOCMS Group1	8270E	05/22/25	05/23/25	05/23/25	05/22/25