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

Hit Summary Sheet
SW-846

SDG No.: Q3274

Client: G Environmental

Sample ID	Client ID		Parameter		Concentration	C	MDL	RDL	Units
Client ID : MW4									
Q3274-01	MW4	WATER	2-Methylnaphthalene		24.500		0.56	5	ug/L
Q3274-01	MW4	WATER	Fluorene		3.500	J	0.63	5	ug/L
Q3274-01	MW4	WATER	Phenanthrene		2.400	J	0.5	5	ug/L
			Total Svoc :				**30.40**		
Q3274-01	MW4	WATER	(E)-1-Phenyl-1-butene	*	16.500	J	0	0	ug/L
Q3274-01	MW4	WATER	1-Phenyl-1-butene	*	33.200	J	0	0	ug/L
Q3274-01	MW4	WATER	Benzene, 1,2,4,5-tetramethyl-	*	19.000	J	0	0	ug/L
Q3274-01	MW4	WATER	Benzene, 1,2-diethyl-	*	38.900	J	0	0	ug/L
Q3274-01	MW4	WATER	Benzene, 2-ethyl-1,3-dimethyl-	*	130.000	J	0	0	ug/L
Q3274-01	MW4	WATER	Indane	*	43.000	J	0	0	ug/L
Q3274-01	MW4	WATER	Naphthalene, 1,4-dimethyl-	*	10.000	J	0	0	ug/L
Q3274-01	MW4	WATER	Naphthalene, 1,5-dimethyl-	*	10.600	J	0	0	ug/L
Q3274-01	MW4	WATER	Naphthalene, 1,6-dimethyl-	*	23.900	J	0	0	ug/L
Q3274-01	MW4	WATER	Naphthalene, 2,3-dimethyl-	*	8.100	J	0	0	ug/L
Q3274-01	MW4	WATER	Tridecanoic acid	*	7.800	J	0	0	ug/L
Q3274-01	MW4	WATER	1-Methylnaphthalene	*	22.500	J	0.66	5	ug/L
			Total Tics :				**363.50**		
			Total Concentration:				**393.90**		

SAMPLE DATA

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

Report of Analysis

Client:	G Environmental	Date Collected:	10/01/25
Project:	ANN	Date Received:	10/02/25
Client Sample ID:	MW4	SDG No.:	Q3274
Lab Sample ID:	Q3274-01	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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG064494.D	1	10/03/25 08:35	10/03/25 19:40	PB169973

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	UQ	0.84	5.00	ug/L
87-68-3	Hexachlorobutadiene	0.54	U	0.54	5.00	ug/L
105-60-2	Caprolactam	1.10	U	1.10	10.0	ug/L
91-57-6	2-Methylnaphthalene	24.5		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	UQ	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	3.50	J	0.63	5.00	ug/L
100-01-6	4-Nitroaniline	1.50	U	1.50	5.00	ug/L

Raw Data: **BG064494.D**

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

Report of Analysis

Client:	G Environmental			Date Collected:	10/01/25
Project:	ANN			Date Received:	10/02/25
Client Sample ID:	MW4			SDG No.:	Q3274
Lab Sample ID:	Q3274-01			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 :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG064494.D	1	10/03/25 08:35	10/03/25 19:40	PB169973

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	2.40	J	0.50	5.00	ug/L
120-12-7	Anthracene	0.61	U	0.61	5.00	ug/L
86-74-8	Carbazole	0.72	U	0.72	5.00	ug/L
84-74-2	Di-n-butylphthalate	1.20	U	1.20	5.00	ug/L
206-44-0	Fluoranthene	0.82	U	0.82	5.00	ug/L
129-00-0	Pyrene	0.50	U	0.50	5.00	ug/L
85-68-7	Butylbenzylphthalate	1.90	U	1.90	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	0.93	UQ	0.93	10.0	ug/L
56-55-3	Benzo(a)anthracene	0.45	U	0.45	5.00	ug/L
218-01-9	Chrysene	0.44	U	0.44	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.60	U	1.60	5.00	ug/L
117-84-0	Di-n-octyl phthalate	2.30	U	2.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	0.49	U	0.49	5.00	ug/L
207-08-9	Benzo(k)fluoranthene	0.48	U	0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	0.55	U	0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.59	U	0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.67	U	0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	0.69	U	0.69	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	0.52	U	0.52	5.00	ug/L
123-91-1	1,4-Dioxane	1.00	U	1.00	5.00	ug/L
SURROGATES						
4165-60-0	Nitrobenzene-d5	90.5		30 (67) - 130 (132)	90%	SPK: 100
321-60-8	2-Fluorobiphenyl	89.5		30 (52) - 130 (132)	90%	SPK: 100
1718-51-0	Terphenyl-d14	89.1		30 (42) - 130 (152)	89%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	15300	7.824			

Raw Data: **BG064494.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	10/01/25
Project:	ANN	Date Received:	10/02/25
Client Sample ID:	MW4	SDG No.:	Q3274
Lab Sample ID:	Q3274-01	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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG064494.D	1	10/03/25 08:35	10/03/25 19:40	PB169973

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1146-65-2	Naphthalene-d8	63100	10.609			
15067-26-2	Acenaphthene-d10	49500	14.446			
1517-22-2	Phenanthrene-d10	127000	17.19			
1719-03-5	Chrysene-d12	134000	21.408			
1520-96-3	Perylene-d12	147000	24.387			
TENTATIVE IDENTIFIED COMPOUNDS						
000496-11-7	Indane	43.0	J		8.19	ug/L
000135-01-3	Benzene, 1,2-diethyl-	38.9	J		8.32	ug/L
002870-04-4	Benzene, 2-ethyl-1,3-dimethyl-	130	J		8.93	ug/L
000095-93-2	Benzene, 1,2,4,5-tetramethyl-	19.0	J		9.45	ug/L
001005-64-7	(E)-1-Phenyl-1-butene	16.5	J		9.86	ug/L
000824-90-8	1-Phenyl-1-butene	33.2	J		10.0	ug/L
90-12-0	1-Methylnaphthalene	22.5	J		12.5	ug/L
000571-58-4	Naphthalene, 1,4-dimethyl-	10.0	J		13.6	ug/L
000575-43-9	Naphthalene, 1,6-dimethyl-	23.9	J		13.8	ug/L
000571-61-9	Naphthalene, 1,5-dimethyl-	10.6	J		13.8	ug/L
000581-40-8	Naphthalene, 2,3-dimethyl-	8.10	J		14.2	ug/L
000638-53-9	Tridecanoic acid	7.80	J		18.1	ug/L

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

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

QC SUMMARY

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

Surrogate Summary

SW-846

SDG No.: Q3274

Client: G Environmental

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB169973BL	PB169973BL	Nitrobenzene-d5	100	94.0	94		30 (67)	130 (132)
		2-Fluorobiphenyl	100	90.7	91		30 (52)	130 (132)
		Terphenyl-d14	100	98.8	99		30 (42)	130 (152)
PB169973BS	PB169973BS	Nitrobenzene-d5	100	94.3	94		30 (67)	130 (132)
		2-Fluorobiphenyl	100	91.8	92		30 (52)	130 (132)
		Terphenyl-d14	100	97.3	97		30 (42)	130 (152)
PB169973BSD	PB169973BSD	Nitrobenzene-d5	100	91.5	91		30 (67)	130 (132)
		2-Fluorobiphenyl	100	90.3	90		30 (52)	130 (132)
		Terphenyl-d14	100	96.5	97		30 (42)	130 (152)
Q3274-01	MW4	Nitrobenzene-d5	100	90.5	90		30 (67)	130 (132)
		2-Fluorobiphenyl	100	89.5	90		30 (52)	130 (132)
		Terphenyl-d14	100	89.1	89		30 (42)	130 (152)

( ) = LABORATORY INHOUSE LIMIT

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3274 **Analytical Method:** 8270E

Client: G Environmental **DataFile:** BG064489.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB169973BS	Benzaldehyde	50	26.5	ug/L	53				20 (10)	160 (162)	
	bis(2-Chloroethyl)ether	50	49.4	ug/L	99				70 (62)	130 (103)	
	2,2-oxybis(1-Chloropropane)	50	49.5	ug/L	99				70 (65)	130 (100)	
	Acetophenone	50	57.0	ug/L	114				70 (60)	130 (104)	
	N-Nitroso-di-n-propylamine	50	51.0	ug/L	102				70 (57)	130 (107)	
	Hexachloroethane	50	49.2	ug/L	98				20 (76)	160 (118)	
	Nitrobenzene	50	50.7	ug/L	101				70 (58)	130 (106)	
	Isophorone	50	48.4	ug/L	97				70 (61)	130 (102)	
	bis(2-Chloroethoxy)methane	50	50.5	ug/L	101				70 (58)	130 (109)	
	Naphthalene	50	50.7	ug/L	101				70 (64)	130 (107)	
	4-Chloroaniline	50	18.8	ug/L	38		*		70 (10)	130 (85)	
	Hexachlorobutadiene	50	49.1	ug/L	98				70 (69)	130 (101)	
	Caprolactam	50	52.0	ug/L	104				20 (58)	160 (128)	
	2-Methylnaphthalene	50	46.2	ug/L	92				70 (64)	130 (107)	
	Hexachlorocyclopentadiene	100	150	ug/L	150				20 (36)	160 (160)	
	1,1-Biphenyl	50	56.4	ug/L	113				70 (72)	130 (98)	
	2-Chloronaphthalene	50	50.1	ug/L	100				70 (59)	130 (106)	
	2-Nitroaniline	50	53.0	ug/L	106				70 (73)	130 (114)	
	Dimethylphthalate	50	52.1	ug/L	104				70 (64)	130 (103)	
	Acenaphthylene	50	57.9	ug/L	116				70 (79)	130 (103)	
	2,6-Dinitrotoluene	50	53.0	ug/L	106				70 (64)	130 (110)	
	3-Nitroaniline	50	30.0	ug/L	60		*		70 (28)	130 (100)	
	Acenaphthene	50	49.8	ug/L	100				70 (59)	130 (113)	
	Dibenzofuran	50	51.4	ug/L	103				70 (65)	130 (106)	
	2,4-Dinitrotoluene	50	52.2	ug/L	104				70 (60)	130 (115)	
	Diethylphthalate	50	51.8	ug/L	104				70 (63)	130 (105)	
	4-Chlorophenyl-phenylether	50	50.4	ug/L	101				70 (61)	130 (104)	
	Fluorene	50	52.1	ug/L	104				70 (64)	130 (107)	
	4-Nitroaniline	50	53.5	ug/L	107				70 (55)	130 (125)	
	N-Nitrosodiphenylamine	50	52.3	ug/L	105				70 (61)	130 (109)	
	4-Bromophenyl-phenylether	50	51.0	ug/L	102				70 (73)	130 (103)	
	Hexachlorobenzene	50	50.8	ug/L	102				70 (73)	130 (106)	
	Atrazine	50	55.0	ug/L	110				70 (76)	130 (120)	
	Phenanthrene	50	51.6	ug/L	103				70 (62)	130 (109)	
	Anthracene	50	53.0	ug/L	106				70 (65)	130 (110)	
	Carbazole	50	53.2	ug/L	106				70 (62)	130 (106)	
	Di-n-butylphthalate	50	52.6	ug/L	105				70 (64)	130 (106)	
	Fluoranthene	50	52.1	ug/L	104				70 (64)	130 (110)	
	Pyrene	50	51.7	ug/L	103				70 (71)	130 (103)	
	Butylbenzylphthalate	50	52.8	ug/L	106				70 (61)	130 (105)	
	3,3-Dichlorobenzidine	50	30.6	ug/L	61		*		70 (43)	130 (108)	
	Benzo(a)anthracene	50	51.5	ug/L	103				70 (62)	130 (107)	
	Chrysene	50	51.3	ug/L	103				70 (61)	130 (108)	
	bis(2-Ethylhexyl)phthalate	50	52.7	ug/L	105				70 (59)	130 (110)	

( ) = LABORATORY INHOUSE LIMIT

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3274 **Analytical Method:** 8270E

Client: G Environmental **DataFile:** BG064489.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB169973BS	Di-n-octyl phthalate	50	52.0	ug/L	104				70 (52)	130 (139)	
	Benzo(b)fluoranthene	50	54.2	ug/L	108				70 (77)	130 (113)	
	Benzo(k)fluoranthene	50	51.8	ug/L	104				70 (77)	130 (105)	
	Benzo(a)pyrene	50	54.9	ug/L	110				70 (72)	130 (131)	
	Indeno(1,2,3-cd)pyrene	50	53.9	ug/L	108				70 (72)	130 (105)	
	Dibenz(a,h)anthracene	50	55.2	ug/L	110				70 (78)	130 (115)	
	Benzo(g,h,i)perylene	50	54.7	ug/L	109				70 (75)	130 (118)	
	1,2,4,5-Tetrachlorobenzene	50	54.2	ug/L	108				70 (72)	130 (101)	
	1,4-Dioxane	50	37.9	ug/L	76				20 (38)	160 (125)	

( ) = LABORATORY INHOUSE LIMIT

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3274 **Analytical Method:** 8270E

Client: G Environmental **DataFile:** BG064490.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB169973BSD	Benzaldehyde	50	26.1	ug/L	52	2			20 (10)	160 (162)	20 (20)
	bis(2-Chloroethyl)ether	50	49.7	ug/L	99	1			70 (62)	130 (103)	20 (20)
	2,2-oxybis(1-Chloropropane)	50	48.3	ug/L	97	2			70 (65)	130 (100)	20 (20)
	Acetophenone	50	54.9	ug/L	110	4			70 (60)	130 (104)	20 (20)
	N-Nitroso-di-n-propylamine	50	52.4	ug/L	105	3			70 (57)	130 (107)	20 (20)
	Hexachloroethane	50	49.3	ug/L	99	0			20 (76)	160 (118)	20 (20)
	Nitrobenzene	50	47.6	ug/L	95	6			70 (58)	130 (106)	20 (20)
	Isophorone	50	47.7	ug/L	95	1			70 (61)	130 (102)	20 (20)
	bis(2-Chloroethoxy)methane	50	49.3	ug/L	99	2			70 (58)	130 (109)	20 (20)
	Naphthalene	50	48.5	ug/L	97	4			70 (64)	130 (107)	20 (20)
	4-Chloroaniline	50	15.2	ug/L	30	21	*	*	70 (10)	130 (85)	20 (20)
	Hexachlorobutadiene	50	47.0	ug/L	94	4			70 (69)	130 (101)	20 (20)
	Caprolactam	50	50.1	ug/L	100	4			20 (58)	160 (128)	20 (20)
	2-Methylnaphthalene	50	44.5	ug/L	89	4			70 (64)	130 (107)	20 (20)
	Hexachlorocyclopentadiene	100	140	ug/L	140	7			20 (36)	160 (160)	20 (20)
	1,1-Biphenyl	50	53.2	ug/L	106	6			70 (72)	130 (98)	20 (20)
	2-Chloronaphthalene	50	47.4	ug/L	95	6			70 (59)	130 (106)	20 (20)
	2-Nitroaniline	50	50.6	ug/L	101	5			70 (73)	130 (114)	20 (20)
	Dimethylphthalate	50	48.6	ug/L	97	7			70 (64)	130 (103)	20 (20)
	Acenaphthylene	50	55.5	ug/L	111	4			70 (79)	130 (103)	20 (20)
	2,6-Dinitrotoluene	50	50.2	ug/L	100	5			70 (64)	130 (110)	20 (20)
	3-Nitroaniline	50	26.1	ug/L	52	14	*		70 (28)	130 (100)	20 (20)
	Acenaphthene	50	47.3	ug/L	95	5			70 (59)	130 (113)	20 (20)
	Dibenzofuran	50	49.0	ug/L	98	5			70 (65)	130 (106)	20 (20)
	2,4-Dinitrotoluene	50	53.2	ug/L	106	2			70 (60)	130 (115)	20 (20)
	Diethylphthalate	50	49.5	ug/L	99	5			70 (63)	130 (105)	20 (20)
	4-Chlorophenyl-phenylether	50	48.0	ug/L	96	5			70 (61)	130 (104)	20 (20)
	Fluorene	50	50.3	ug/L	101	4			70 (64)	130 (107)	20 (20)
	4-Nitroaniline	50	52.3	ug/L	105	2			70 (55)	130 (125)	20 (20)
	N-Nitrosodiphenylamine	50	49.3	ug/L	99	6			70 (61)	130 (109)	20 (20)
	4-Bromophenyl-phenylether	50	48.1	ug/L	96	6			70 (73)	130 (103)	20 (20)
	Hexachlorobenzene	50	48.9	ug/L	98	4			70 (73)	130 (106)	20 (20)
	Atrazine	50	52.8	ug/L	106	4			70 (76)	130 (120)	20 (20)
	Phenanthrene	50	48.6	ug/L	97	6			70 (62)	130 (109)	20 (20)
	Anthracene	50	49.9	ug/L	100	6			70 (65)	130 (110)	20 (20)
	Carbazole	50	52.1	ug/L	104	2			70 (62)	130 (106)	20 (20)
	Di-n-butylphthalate	50	51.7	ug/L	103	2			70 (64)	130 (106)	20 (20)
	Fluoranthene	50	51.0	ug/L	102	2			70 (64)	130 (110)	20 (20)
	Pyrene	50	49.5	ug/L	99	4			70 (71)	130 (103)	20 (20)
	Butylbenzylphthalate	50	50.7	ug/L	101	4			70 (61)	130 (105)	20 (20)
	3,3-Dichlorobenzidine	50	27.3	ug/L	55	11	*		70 (43)	130 (108)	20 (20)
	Benzo(a)anthracene	50	50.0	ug/L	100	3			70 (62)	130 (107)	20 (20)
	Chrysene	50	49.6	ug/L	99	3			70 (61)	130 (108)	20 (20)
	bis(2-Ethylhexyl)phthalate	50	51.0	ug/L	102	3			70 (59)	130 (110)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3274 **Analytical Method:** 8270E

Client: G Environmental **DataFile:** BG064490.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB169973BSD	Di-n-octyl phthalate	50	50.3	ug/L	101	3			70 (52)	130 (139)	20 (20)
	Benzo(b)fluoranthene	50	50.4	ug/L	101	7			70 (77)	130 (113)	20 (20)
	Benzo(k)fluoranthene	50	51.7	ug/L	103	0			70 (77)	130 (105)	20 (20)
	Benzo(a)pyrene	50	53.3	ug/L	107	3			70 (72)	130 (131)	20 (20)
	Indeno(1,2,3-cd)pyrene	50	51.2	ug/L	102	5			70 (72)	130 (105)	20 (20)
	Dibenz(a,h)anthracene	50	52.4	ug/L	105	5			70 (78)	130 (115)	20 (20)
	Benzo(g,h,i)perylene	50	52.7	ug/L	105	4			70 (75)	130 (118)	20 (20)
	1,2,4,5-Tetrachlorobenzene	50	53.7	ug/L	107	1			70 (72)	130 (101)	20 (20)
	1,4-Dioxane	50	40.6	ug/L	81	7			20 (38)	160 (125)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

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

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID: PB169973BL

Lab Name: Alliance | Contract: GENV01

Lab Code: ACE | SDG NO.: Q3274

Lab File ID: BG064488.D | Lab Sample ID: PB169973BL

Instrument ID: BNA_G | Date Extracted: 10/03/2025

Matrix: (soil/water) Water | Date Analyzed: 10/03/2025

Level: (low/med) LOW | Time Analyzed: 15:35

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB169973BS	PB169973BS	BG064489.D	10/03/2025
PB169973BSD	PB169973BSD	BG064490.D	10/03/2025
MW4	Q3274-01	BG064494.D	10/03/2025

COMMENTS:

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG NO.: Q3274

Lab File ID: BG064472.D DFTPP Injection Date: 10/02/2025

Instrument ID: BNA_G DFTPP Injection Time: 08:21

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.3 (1.1) 1
69	Mass 69 relative abundance	29.9
70	Less than 2.0% of mass 69	0.1 (0.4) 1
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	6.4
365	Greater than 1% of mass 198	6.7
441	Present, but less than mass 443	16.8
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
SSTDICC2.5	SSTDICC2.5	BG064473.D	10/02/2025	09:01
SSTDICC005	SSTDICC005	BG064474.D	10/02/2025	09:42
SSTDICC020	SSTDICC020	BG064476.D	10/02/2025	11:33
SSTDICCC040	SSTDICCC040	BG064477.D	10/02/2025	12:14
SSTDICC050	SSTDICC050	BG064478.D	10/02/2025	12:55
SSTDICC060	SSTDICC060	BG064479.D	10/02/2025	13:35
SSTDICC080	SSTDICC080	BG064480.D	10/02/2025	14:16
SSTDICC010	SSTDICC010	BG064481.D	10/02/2025	15:49

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG NO.: Q3274

Lab File ID: BG064484.D DFTPP Injection Date: 10/03/2025

Instrument ID: BNA_G DFTPP Injection Time: 12:52

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.4 (1.4) 1
69	Mass 69 relative abundance	28.7
70	Less than 2.0% of mass 69	0.1 (0.3) 1
197	Less than 2.0% of mass 198	0.3
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.1
365	Greater than 1% of mass 198	6.1
441	Present, but less than mass 443	11.1
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.9 (19.9) 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	BG064485.D	10/03/2025	13:33
PB169973BL	PB169973BL	BG064488.D	10/03/2025	15:35
PB169973BS	PB169973BS	BG064489.D	10/03/2025	16:16
PB169973BSD	PB169973BSD	BG064490.D	10/03/2025	16:57
MW4	Q3274-01	BG064494.D	10/03/2025	19:40

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

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3274

Client ID : SSTDCCC040 Date Analyzed: 10/03/2025

Lab File ID: BG064485.D Time Analyzed: 13:33

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	17500	7.821	78873	10.61	59706	14.45
	UPPER LIMIT	35000	8.321	157746	11.112	119412	14.948
	LOWER LIMIT	8750	7.321	39436.5	10.112	29853	13.948
	EPA SAMPLE NO.						
01	PB169973BL	16965	7.82	71465	10.61	57081	14.45
02	PB169973BS	16264	7.82	69209	10.61	53762	14.45
03	PB169973BSD	15312	7.83	68886	10.61	53563	14.45
04	MW4	15257	7.82	63069	10.61	49495	14.45

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.

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

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3274

Client ID: SSTDCCC040 Date Analyzed: 10/03/2025

Lab File ID: BG064485.D Time Analyzed: 13:33

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	149943	17.186	155011	21.417	163411	24.39
	UPPER LIMIT	299886	17.686	310022	21.917	326822	24.89
	LOWER LIMIT	74971.5	16.686	77505.5	20.917	81705.5	23.89
	EPA SAMPLE NO.						
01	PB169973BL	145353	17.19	149348	21.41	157878	24.39
02	PB169973BS	136086	17.19	136322	21.41	146226	24.39
03	PB169973BSD	138632	17.19	141515	21.42	151583	24.39
04	MW4	127112	17.19	134148	21.41	147315	24.39

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

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	ANN	Date Received:	
Client Sample ID:	PB169973BL	SDG No.:	Q3274
Lab Sample ID:	PB169973BL	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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG064488.D	1	10/03/25 08:35	10/03/25 15:35	PB169973

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

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

Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	ANN			Date Received:	
Client Sample ID:	PB169973BL			SDG No.:	Q3274
Lab Sample ID:	PB169973BL			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 :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG064488.D	1	10/03/25 08:35	10/03/25 15:35	PB169973

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
86-30-6	n-Nitrosodiphenylamine	0.58	U	0.58	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	0.40	U	0.40	5.00	ug/L
118-74-1	Hexachlorobenzene	0.52	U	0.52	5.00	ug/L
1912-24-9	Atrazine	1.00	U	1.00	5.00	ug/L
85-01-8	Phenanthrene	0.50	U	0.50	5.00	ug/L
120-12-7	Anthracene	0.61	U	0.61	5.00	ug/L
86-74-8	Carbazole	0.72	U	0.72	5.00	ug/L
84-74-2	Di-n-butylphthalate	1.20	U	1.20	5.00	ug/L
206-44-0	Fluoranthene	0.82	U	0.82	5.00	ug/L
129-00-0	Pyrene	0.50	U	0.50	5.00	ug/L
85-68-7	Butylbenzylphthalate	1.90	U	1.90	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	0.93	U	0.93	10.0	ug/L
56-55-3	Benzo(a)anthracene	0.45	U	0.45	5.00	ug/L
218-01-9	Chrysene	0.44	U	0.44	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.60	U	1.60	5.00	ug/L
117-84-0	Di-n-octyl phthalate	2.30	U	2.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	0.49	U	0.49	5.00	ug/L
207-08-9	Benzo(k)fluoranthene	0.48	U	0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	0.55	U	0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.59	U	0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.67	U	0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	0.69	U	0.69	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	0.52	U	0.52	5.00	ug/L
123-91-1	1,4-Dioxane	1.00	U	1.00	5.00	ug/L
SURROGATES						
4165-60-0	Nitrobenzene-d5	94.0		30 (67) - 130 (132)	94%	SPK: 100
321-60-8	2-Fluorobiphenyl	90.7		30 (52) - 130 (132)	91%	SPK: 100
1718-51-0	Terphenyl-d14	98.8		30 (42) - 130 (152)	99%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	17000	7.824			

Raw Data: **BG064488.D**

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

Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	ANN			Date Received:	
Client Sample ID:	PB169973BL			SDG No.:	Q3274
Lab Sample ID:	PB169973BL			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 :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG064488.D	1	10/03/25 08:35	10/03/25 15:35	PB169973

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1146-65-2	Naphthalene-d8	71500	10.609			
15067-26-2	Acenaphthene-d10	57100	14.446			
1517-22-2	Phenanthrene-d10	145000	17.189			
1719-03-5	Chrysene-d12	149000	21.408			
1520-96-3	Perylene-d12	158000	24.387			

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

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

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	ANN	Date Received:	
Client Sample ID:	PB169973BS	SDG No.:	Q3274
Lab Sample ID:	PB169973BS	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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG064489.D	1	10/03/25 08:35	10/03/25 16:16	PB169973

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	26.5		3.90	10.0	ug/L
111-44-4	bis(2-Chloroethyl)ether	49.4		0.81	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	49.5		1.30	5.00	ug/L
98-86-2	Acetophenone	57.0		0.74	5.00	ug/L
621-64-7	n-Nitroso-di-n-propylamine	51.0		1.40	2.50	ug/L
67-72-1	Hexachloroethane	49.2		0.65	5.00	ug/L
98-95-3	Nitrobenzene	50.7		0.76	5.00	ug/L
78-59-1	Isophorone	48.4		0.75	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	50.5		0.68	5.00	ug/L
91-20-3	Naphthalene	50.7		0.50	5.00	ug/L
106-47-8	4-Chloroaniline	18.8		0.84	5.00	ug/L
87-68-3	Hexachlorobutadiene	49.1		0.54	5.00	ug/L
105-60-2	Caprolactam	52.0		1.10	10.0	ug/L
91-57-6	2-Methylnaphthalene	46.2		0.56	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	150	E	3.60	10.0	ug/L
92-52-4	1,1-Biphenyl	56.4		0.53	5.00	ug/L
91-58-7	2-Chloronaphthalene	50.1		0.61	5.00	ug/L
88-74-4	2-Nitroaniline	53.0		1.30	5.00	ug/L
131-11-3	Dimethylphthalate	52.1		0.61	5.00	ug/L
208-96-8	Acenaphthylene	57.9		0.75	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	53.0		0.92	5.00	ug/L
99-09-2	3-Nitroaniline	30.0		1.10	5.00	ug/L
83-32-9	Acenaphthene	49.8		0.55	5.00	ug/L
132-64-9	Dibenzofuran	51.4		0.61	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	52.2		1.20	5.00	ug/L
84-66-2	Diethylphthalate	51.8		0.69	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	50.4		0.68	5.00	ug/L
86-73-7	Fluorene	52.1		0.63	5.00	ug/L
100-01-6	4-Nitroaniline	53.5		1.50	5.00	ug/L

Raw Data: **BG064489.D**

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

Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	ANN			Date Received:	
Client Sample ID:	PB169973BS			SDG No.:	Q3274
Lab Sample ID:	PB169973BS			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 :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG064489.D	1	10/03/25 08:35	10/03/25 16:16	PB169973

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
86-30-6	n-Nitrosodiphenylamine	52.3		0.58	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	51.0		0.40	5.00	ug/L
118-74-1	Hexachlorobenzene	50.8		0.52	5.00	ug/L
1912-24-9	Atrazine	55.0		1.00	5.00	ug/L
85-01-8	Phenanthrene	51.6		0.50	5.00	ug/L
120-12-7	Anthracene	53.0		0.61	5.00	ug/L
86-74-8	Carbazole	53.2		0.72	5.00	ug/L
84-74-2	Di-n-butylphthalate	52.6		1.20	5.00	ug/L
206-44-0	Fluoranthene	52.1		0.82	5.00	ug/L
129-00-0	Pyrene	51.7		0.50	5.00	ug/L
85-68-7	Butylbenzylphthalate	52.8		1.90	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	30.6		0.93	10.0	ug/L
56-55-3	Benzo(a)anthracene	51.5		0.45	5.00	ug/L
218-01-9	Chrysene	51.3		0.44	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	52.7		1.60	5.00	ug/L
117-84-0	Di-n-octyl phthalate	52.0		2.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	54.2		0.49	5.00	ug/L
207-08-9	Benzo(k)fluoranthene	51.8		0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	54.9		0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	53.9		0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	55.2		0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	54.7		0.69	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	54.2		0.52	5.00	ug/L
123-91-1	1,4-Dioxane	37.9		1.00	5.00	ug/L
SURROGATES						
4165-60-0	Nitrobenzene-d5	94.3		30 (67) - 130 (132)	94%	SPK: 100
321-60-8	2-Fluorobiphenyl	91.8		30 (52) - 130 (132)	92%	SPK: 100
1718-51-0	Terphenyl-d14	97.3		30 (42) - 130 (152)	97%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	16300	7.823			

Raw Data: **BG064489.D**

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

Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	ANN			Date Received:	
Client Sample ID:	PB169973BS			SDG No.:	Q3274
Lab Sample ID:	PB169973BS			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 :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG064489.D	1	10/03/25 08:35	10/03/25 16:16	PB169973

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1146-65-2	Naphthalene-d8	69200	10.608			
15067-26-2	Acenaphthene-d10	53800	14.45			
1517-22-2	Phenanthrene-d10	136000	17.188			
1719-03-5	Chrysene-d12	136000	21.413			
1520-96-3	Perylene-d12	146000	24.391			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	ANN	Date Received:	
Client Sample ID:	PB169973BSD	SDG No.:	Q3274
Lab Sample ID:	PB169973BSD	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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG064490.D	1	10/03/25 08:35	10/03/25 16:57	PB169973

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	26.1		3.90	10.0	ug/L
111-44-4	bis(2-Chloroethyl)ether	49.7		0.81	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	48.3		1.30	5.00	ug/L
98-86-2	Acetophenone	54.9		0.74	5.00	ug/L
621-64-7	n-Nitroso-di-n-propylamine	52.4		1.40	2.50	ug/L
67-72-1	Hexachloroethane	49.3		0.65	5.00	ug/L
98-95-3	Nitrobenzene	47.6		0.76	5.00	ug/L
78-59-1	Isophorone	47.7		0.75	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	49.3		0.68	5.00	ug/L
91-20-3	Naphthalene	48.5		0.50	5.00	ug/L
106-47-8	4-Chloroaniline	15.2		0.84	5.00	ug/L
87-68-3	Hexachlorobutadiene	47.0		0.54	5.00	ug/L
105-60-2	Caprolactam	50.1		1.10	10.0	ug/L
91-57-6	2-Methylnaphthalene	44.5		0.56	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	140	E	3.60	10.0	ug/L
92-52-4	1,1-Biphenyl	53.2		0.53	5.00	ug/L
91-58-7	2-Chloronaphthalene	47.4		0.61	5.00	ug/L
88-74-4	2-Nitroaniline	50.6		1.30	5.00	ug/L
131-11-3	Dimethylphthalate	48.6		0.61	5.00	ug/L
208-96-8	Acenaphthylene	55.5		0.75	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	50.2		0.92	5.00	ug/L
99-09-2	3-Nitroaniline	26.1		1.10	5.00	ug/L
83-32-9	Acenaphthene	47.3		0.55	5.00	ug/L
132-64-9	Dibenzofuran	49.0		0.61	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	53.2		1.20	5.00	ug/L
84-66-2	Diethylphthalate	49.5		0.69	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	48.0		0.68	5.00	ug/L
86-73-7	Fluorene	50.3		0.63	5.00	ug/L
100-01-6	4-Nitroaniline	52.3		1.50	5.00	ug/L

Raw Data: **BG064490.D**

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

Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	ANN			Date Received:	
Client Sample ID:	PB169973BSD			SDG No.:	Q3274
Lab Sample ID:	PB169973BSD			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 :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG064490.D	1	10/03/25 08:35	10/03/25 16:57	PB169973

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
86-30-6	n-Nitrosodiphenylamine	49.3		0.58	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	48.1		0.40	5.00	ug/L
118-74-1	Hexachlorobenzene	48.9		0.52	5.00	ug/L
1912-24-9	Atrazine	52.8		1.00	5.00	ug/L
85-01-8	Phenanthrene	48.6		0.50	5.00	ug/L
120-12-7	Anthracene	49.9		0.61	5.00	ug/L
86-74-8	Carbazole	52.1		0.72	5.00	ug/L
84-74-2	Di-n-butylphthalate	51.7		1.20	5.00	ug/L
206-44-0	Fluoranthene	51.0		0.82	5.00	ug/L
129-00-0	Pyrene	49.5		0.50	5.00	ug/L
85-68-7	Butylbenzylphthalate	50.7		1.90	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	27.3		0.93	10.0	ug/L
56-55-3	Benzo(a)anthracene	50.0		0.45	5.00	ug/L
218-01-9	Chrysene	49.6		0.44	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	51.0		1.60	5.00	ug/L
117-84-0	Di-n-octyl phthalate	50.3		2.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	50.4		0.49	5.00	ug/L
207-08-9	Benzo(k)fluoranthene	51.7		0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	53.3		0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	51.2		0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	52.4		0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	52.7		0.69	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	53.7		0.52	5.00	ug/L
123-91-1	1,4-Dioxane	40.6		1.00	5.00	ug/L
SURROGATES						
4165-60-0	Nitrobenzene-d5	91.5		30 (67) - 130 (132)	91%	SPK: 100
321-60-8	2-Fluorobiphenyl	90.3		30 (52) - 130 (132)	90%	SPK: 100
1718-51-0	Terphenyl-d14	96.5		30 (42) - 130 (152)	97%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	15300	7.825			

Raw Data: **BG064490.D**

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

Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	ANN			Date Received:	
Client Sample ID:	PB169973BSD			SDG No.:	Q3274
Lab Sample ID:	PB169973BSD			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 :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG064490.D	1	10/03/25 08:35	10/03/25 16:57	PB169973

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1146-65-2	Naphthalene-d8	68900	10.61			
15067-26-2	Acenaphthene-d10	53600	14.453			
1517-22-2	Phenanthrene-d10	139000	17.191			
1719-03-5	Chrysene-d12	142000	21.415			
1520-96-3	Perylene-d12	152000	24.388			

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

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

CALIBRATION SUMMARY

Response Factor Report GC/MS Ins

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG100225.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Oct 02 16:40:42 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BG064473.D 5 =BG064474.D 10 =BG064481.D 20 =BG064476.D 40 =BG064477.D 50 =BG064478.D 60 =BG064479.D 80 =BG0644
80.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.530	0.412	0.447	0.438	0.398	0.386	0.381	0.427	12.10
3)		Pyridine		1.225	1.151	1.147	1.236	1.102	1.095	1.086	1.149	5.33
4)		n-Nitrosodimet...			0.854	0.790	0.863	0.833	0.843	0.814	0.833	3.24
5)	S	2-Fluorophenol		1.066	1.018	1.053	1.195	1.071	1.108	1.053	1.081	5.26
6)		Aniline		1.913	1.738	1.827	2.020	1.772	1.823	1.729	1.832	5.68
7)	S	Phenol-d6		1.395	1.373	1.446	1.631	1.434	1.496	1.391	1.452	6.12
8)		2-Chlorophenol		1.387	1.264	1.312	1.455	1.264	1.336	1.271	1.327	5.45
9)		Benzaldehyde			1.437	1.039	1.527	1.146	1.548	1.037	1.289	18.76
10)	C	Phenol		1.518	1.397	1.530	1.683	1.517	1.583	1.496	1.532	5.68
11)		bis(2-Chloroet...		1.117	0.953	1.002	1.134	1.000	1.064	0.992	1.038	6.61
12)		1,3-Dichlorobe...		1.558	1.459	1.396	1.582	1.385	1.418	1.363	1.452	5.97
13)	C	1,4-Dichlorobe...		1.506	1.435	1.452	1.581	1.421	1.421	1.383	1.457	4.57
14)		1,2-Dichlorobe...		1.583	1.389	1.434	1.533	1.377	1.399	1.335	1.436	6.24
15)		Benzyl Alcohol			1.224	1.300	1.447	1.342	1.399	1.312	1.337	5.87
16)		2,2'-oxybis(1-...		1.720	1.610	1.657	1.804	1.650	1.708	1.558	1.672	4.80
17)		2-Methylphenol		1.105	1.063	1.087	1.215	1.076	1.143	1.077	1.109	4.81
18)		Hexachloroethane		0.586	0.630	0.534	0.604	0.562	0.566	0.544	0.575	5.87
19)	P	n-Nitroso-di-n...	0.813	1.008	0.913	1.006	1.096	0.959	1.048	0.926	0.971	9.10
20)		3+4-Methylphenols			1.472	1.510	1.700	1.492	1.622	1.494	1.548	5.91
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.476	0.450	0.477	0.516	0.491	0.495	0.486	0.484	4.21
23)	S	Nitrobenzene-d5		0.360	0.352	0.378	0.396	0.369	0.381	0.369	0.372	3.84
24)		Nitrobenzene		0.403	0.348	0.352	0.395	0.364	0.377	0.358	0.371	5.73
25)		Isophorone		0.672	0.654	0.674	0.721	0.660	0.686	0.650	0.674	3.59
26)	C	2-Nitrophenol		0.197	0.169	0.181	0.192	0.185	0.188	0.181	0.185	4.93
27)		2,4-Dimethylph...		0.277	0.257	0.279	0.299	0.285	0.298	0.281	0.282	4.97
28)		bis(2-Chloroet...		0.320	0.320	0.361	0.375	0.336	0.352	0.341	0.343	5.92
29)	C	2,4-Dichloroph...		0.323	0.305	0.321	0.343	0.322	0.336	0.332	0.326	3.78
30)		1,2,4-Trichlor...		0.383	0.333	0.360	0.377	0.339	0.349	0.347	0.356	5.27
31)		Naphthalene		1.062	0.980	1.013	1.107	0.995	1.041	1.011	1.030	4.26
32)		Benzoic acid			0.149	0.198	0.230	0.240	0.239	0.243	0.216	17.02
33)		4-Chloroaniline		0.392	0.398	0.373	0.417	0.388	0.406	0.392	0.395	3.53
34)	C	Hexachlorobuta...		0.331	0.289	0.308	0.316	0.296	0.300	0.291	0.304	4.94
35)		Caprolactam			0.108	0.120	0.115	0.111	0.110	0.107	0.112	4.36
36)	C	4-Chloro-3-met...		0.395	0.381	0.392	0.418	0.390	0.405	0.395	0.397	3.01
37)		2-Methylnaphth...		0.783	0.771	0.790	0.843	0.778	0.799	0.770	0.791	3.18
38)		1-Methylnaphth...		0.837	0.782	0.782	0.825	0.750	0.784	0.758	0.788	4.08

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG100225.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.622	0.604	0.622	0.708	0.640	0.678	0.646	0.646	5.60
41)	P	Hexachlorocycl...		0.279	0.296	0.363	0.356	0.378	0.356	0.338	11.95
42)	S	2,4,6-Tribromo...	0.364	0.352	0.367	0.381	0.364	0.361	0.349	0.363	2.89
43)	C	2,4,6-Trichlor...	0.391	0.390	0.396	0.445	0.416	0.436	0.414	0.413	5.30
44)		2,4,5-Trichlor...	0.451	0.452	0.430	0.486	0.465	0.473	0.470	0.461	3.93
45)	S	2-Fluorobiphenyl	1.355	1.338	1.346	1.434	1.325	1.389	1.310	1.357	3.11
46)		1,1'-Biphenyl	1.439	1.388	1.417	1.521	1.434	1.484	1.387	1.438	3.42
47)		2-Chloronaphth...	1.006	1.104	1.046	1.153	1.056	1.106	1.046	1.074	4.61
48)		2-Nitroaniline	0.301	0.362	0.371	0.397	0.386	0.385	0.365	0.367	8.60
49)		Acenaphthylene	1.591	1.534	1.573	1.704	1.574	1.638	1.546	1.594	3.68
50)		Dimethylphthalate	1.564	1.584	1.582	1.624	1.531	1.586	1.493	1.566	2.72
51)		2,6-Dinitrotol...	0.292	0.326	0.335	0.337	0.333	0.345	0.316	0.326	5.43
52)	C	Acenaphthene	1.108	1.099	1.086	1.159	1.106	1.138	1.058	1.108	2.98
53)		3-Nitroaniline	0.279	0.294	0.300	0.319	0.315	0.303	0.296	0.301	4.50
54)	P	2,4-Dinitrophenol		0.265	0.270	0.207	0.228	0.229	0.220	0.237	10.76
55)		Dibenzofuran	1.837	1.810	1.800	1.909	1.821	1.872	1.753	1.829	2.77
56)	P	4-Nitrophenol		0.192	0.227	0.260	0.256	0.253	0.232	0.237	10.85
57)		2,4-Dinitrotol...	0.481	0.499	0.488	0.527	0.513	0.506	0.477	0.499	3.60
58)		Fluorene	1.518	1.511	1.535	1.601	1.488	1.532	1.458	1.520	2.91
59)		2,3,4,6-Tetrac...	0.438	0.447	0.475	0.505	0.475	0.494	0.457	0.470	5.16
60)		Diethylphthalate	1.747	1.692	1.679	1.730	1.675	1.663	1.578	1.680	3.25
61)		4-Chlorophenyl...	0.866	0.809	0.839	0.868	0.817	0.819	0.794	0.830	3.42
62)		4-Nitroaniline	0.229	0.296	0.331	0.334	0.345	0.340	0.320	0.314	12.96
63)		Azobenzene	1.339	1.299	1.325	1.346	1.295	1.289	1.216	1.301	3.37
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.125	0.139	0.145	0.138	0.145	0.144	0.139	5.58
66)	c	n-Nitrosodiphe...	0.540	0.519	0.534	0.569	0.508	0.541	0.529	0.534	3.62
67)		4-Bromophenyl-...	0.235	0.229	0.227	0.253	0.224	0.237	0.241	0.235	4.21
68)		Hexachlorobenzene	0.256	0.261	0.272	0.288	0.260	0.280	0.270	0.269	4.36
69)		Atrazine	0.237	0.240	0.247	0.250	0.232	0.239	0.219	0.238	4.26
70)	C	Pentachlorophenol		0.118	0.146	0.169	0.166	0.170	0.175	0.157	13.66
71)		Phenanthrene	1.072	1.022	1.055	1.111	1.002	1.050	1.010	1.046	3.65
72)		Anthracene	1.045	1.028	1.044	1.130	1.001	1.068	1.029	1.049	3.93
73)		Carbazole	0.883	0.895	0.904	0.987	0.877	0.921	0.880	0.907	4.24
74)		Di-n-butylphth...	1.096	1.079	1.105	1.189	1.076	1.131	1.076	1.107	3.71
75)	C	Fluoranthene	1.269	1.226	1.272	1.330	1.192	1.253	1.204	1.250	3.77
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.393	0.424	0.649	0.540	0.621	0.359	0.498	24.67
78)		Pyrene	1.295	1.329	1.316	1.392	1.242	1.281	1.230	1.298	4.24
79)	S	Terphenyl-d14	1.067	1.061	1.069	1.123	1.030	1.044	1.003	1.057	3.55
80)		Butylbenzylpht...	0.437	0.438	0.464	0.497	0.447	0.479	0.458	0.460	4.78
81)		Benzo(a)anthra...	1.280	1.239	1.285	1.353	1.238	1.291	1.253	1.277	3.15
82)		3,3'-Dichlorob...		0.418	0.431	0.458	0.423	0.443	0.420	0.432	3.58
83)		Chrysene	1.226	1.200	1.195	1.297	1.173	1.210	1.178	1.211	3.48
84)		Bis(2-ethylhex...	0.605	0.637	0.640	0.692	0.641	0.670	0.658	0.649	4.26
85)	c	Di-n-octyl pht...		1.055	1.050	1.153	1.073	1.125	1.089	1.091	3.74

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG100225.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.368	1.320	1.378	1.493	1.387	1.431	1.368	1.392	3.98
88)		Benzo(b)fluora...	1.077	1.084	1.171	1.212	1.142	1.169	1.109	1.138	4.40
89)		Benzo(k)fluora...	1.139	1.082	1.145	1.233	1.123	1.156	1.142	1.146	3.97
90)	C	Benzo(a)pyrene	1.017	0.999	1.059	1.122	1.031	1.075	1.037	1.049	3.91
91)		Dibenzo(a,h)an...	1.047	1.053	1.121	1.190	1.115	1.151	1.116	1.113	4.55
92)		Benzo(g,h,i)pe...	1.059	1.053	1.088	1.153	1.069	1.104	1.048	1.082	3.41

(#) = Out of Range

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG No.: Q3274

Instrument ID: BNA_G Calibration Date/Time: 10/03/2025 13:33

Lab File ID: BG064485.D Init. Calib. Date(s): 10/02/2025 10/02/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:01 15:49

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.081	1.209		11.8	
Benzaldehyde	1.290	1.512		17.2	
Phenol-d6	1.452	1.602		10.3	
bis(2-Chloroethyl)ether	1.038	1.112		7.1	
2,2-oxybis(1-Chloropropane)	1.672	1.832		9.6	
Acetophenone	0.484	0.523		8.1	
n-Nitroso-di-n-propylamine	0.971	1.074	0.050	10.6	
Nitrobenzene-d5	0.372	0.400		7.5	
Hexachloroethane	0.575	0.621		8.0	
Nitrobenzene	0.371	0.391		5.4	
Isophorone	0.674	0.706		4.7	
bis(2-Chloroethoxy)methane	0.343	0.360		5.0	
Naphthalene	1.030	1.093		6.1	
4-Chloroaniline	0.395	0.420		6.3	
Hexachlorobutadiene	0.304	0.315		3.6	20.0
Caprolactam	0.112	0.122		8.9	
2-Methylnaphthalene	0.791	0.823		4.0	
Hexachlorocyclopentadiene	0.338	0.368	0.050	8.9	
2-Fluorobiphenyl	1.357	1.436		5.8	
1,1-Biphenyl	1.438	1.499		4.2	
2-Chloronaphthalene	1.074	1.152		7.3	
2-Nitroaniline	0.367	0.393		7.1	
Dimethylphthalate	1.566	1.632		4.2	
Acenaphthylene	1.594	1.697		6.5	
2,6-Dinitrotoluene	0.326	0.352		8.0	
3-Nitroaniline	0.301	0.332		10.3	
Acenaphthene	1.108	1.174		6.0	20.0
Dibenzofuran	1.829	1.939		6.0	
2,4-Dinitrotoluene	0.499	0.537		7.6	
Diethylphthalate	1.680	1.758		4.6	
4-Chlorophenyl-phenylether	0.830	0.863		4.0	
Fluorene	1.520	1.622		6.7	
4-Nitroaniline	0.314	0.357		13.7	
n-Nitrosodiphenylamine	0.534	0.559		4.7	20.0
2,4,6-Tribromophenol	0.363	0.380		4.7	
4-Bromophenyl-phenylether	0.235	0.250		6.4	
Hexachlorobenzene	0.269	0.281		4.5	
Atrazine	0.238	0.251		5.5	
Phenanthrene	1.046	1.113		6.4	

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG No.: Q3274

Instrument ID: BNA_G Calibration Date/Time: 10/03/2025 13:33

Lab File ID: BG064485.D Init. Calib. Date(s): 10/02/2025 10/02/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:01 15:49

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Anthracene	1.049	1.103		5.1	
Carbazole	0.907	0.978		7.8	
Di-n-butylphthalate	1.107	1.201		8.5	
Fluoranthene	1.250	1.372		9.8	20.0
Pyrene	1.298	1.371		5.6	
Terphenyl-d14	1.057	1.121		6.1	
Butylbenzylphthalate	0.460	0.487		5.9	
3,3-Dichlorobenzidine	0.432	0.460		6.5	
Benzo(a)anthracene	1.277	1.353		6.0	
Chrysene	1.211	1.274		5.2	
Bis(2-ethylhexyl)phthalate	0.649	0.681		4.9	
Di-n-octyl phthalate	1.091	1.132		3.8	20.0
Benzo(b)fluoranthene	1.138	1.230		8.1	
Benzo(k)fluoranthene	1.146	1.207		5.3	
Benzo(a)pyrene	1.049	1.132		7.9	20.0
Indeno(1,2,3-cd)pyrene	1.392	1.487		6.8	
Dibenzo(a,h)anthracene	1.113	1.209		8.6	
Benzo(g,h,i)perylene	1.082	1.155		6.7	
1,2,4,5-Tetrachlorobenzene	0.646	0.677		4.8	
1,4-Dioxane	0.427	0.434		1.6	20.0

All other compounds must meet a minimum RRF of 0.010.

SAMPLE RAW DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100325\
Data File : BG064494.D
Acq On : 3 Oct 2025 19:40
Operator : RC/JU
Sample : Q3274-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW4

Quant Time: Oct 04 00:00:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

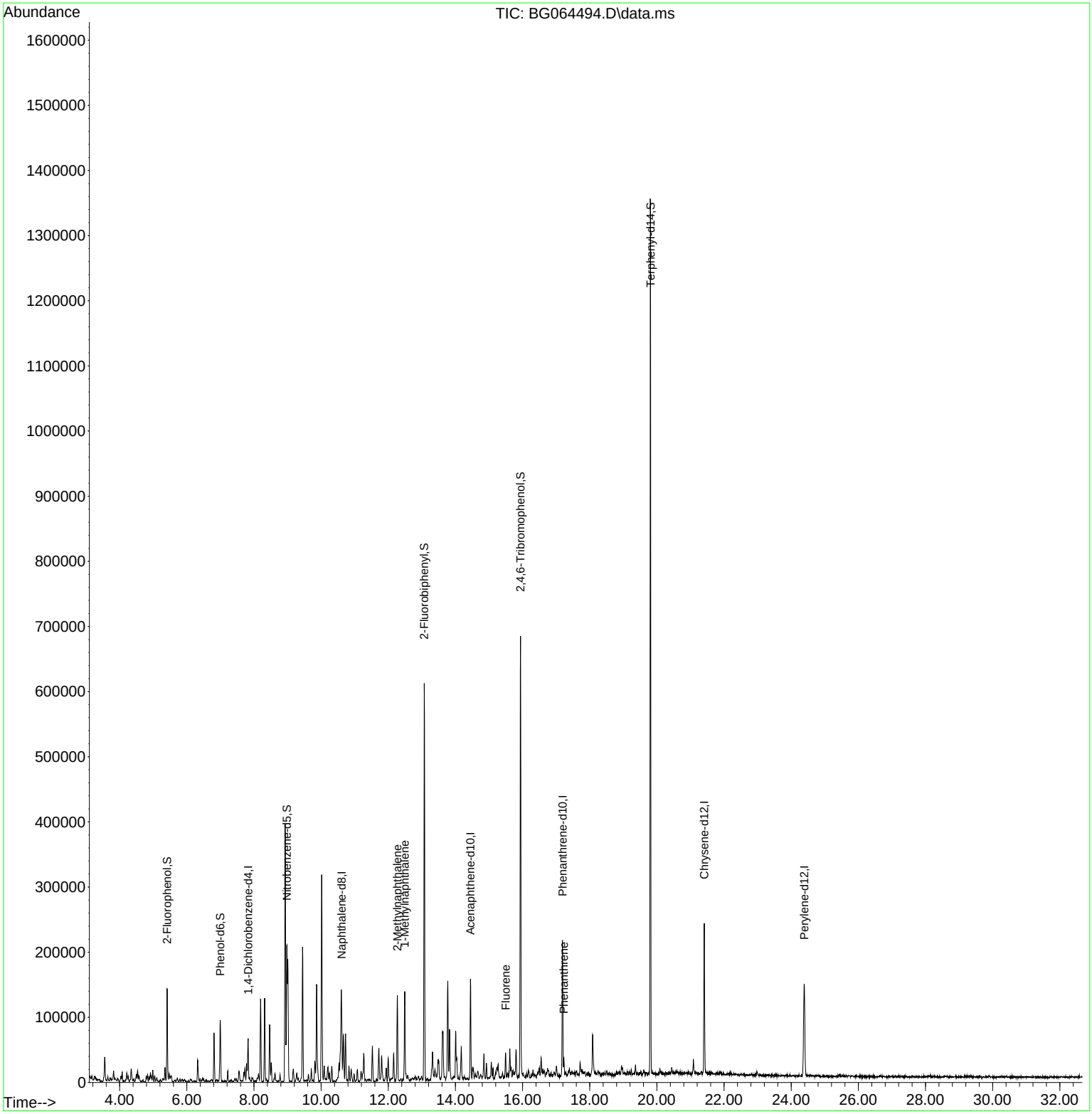
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.824	152	15257	20.000	ng	0.00
21) Naphthalene-d8	10.609	136	63069	20.000	ng	# 0.00
39) Acenaphthene-d10	14.446	164	49495	20.000	ng	0.00
64) Phenanthrene-d10	17.190	188	127112	20.000	ng	0.00
76) Chrysene-d12	21.408	240	134148	20.000	ng	0.00
86) Perylene-d12	24.387	264	147315	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	51725	62.743	ng	0.00
7) Phenol-d6	6.996	99	41514	37.472	ng	0.00
23) Nitrobenzene-d5	8.982	82	106151	90.500	ng	0.02
42) 2,4,6-Tribromophenol	15.938	330	134254	149.642	ng	0.00
45) 2-Fluorobiphenyl	13.071	172	300588	89.518	ng	0.00
79) Terphenyl-d14	19.810	244	631565	89.098	ng	0.00
Target Compounds						Qvalue
37) 2-Methylnaphthalene	12.272	142	61166	24.535	ng	91
38) 1-Methylnaphthalene	12.489	142	55919	22.495	ng	91
58) Fluorene	15.498	166	13066	3.473	ng	90
71) Phenanthrene	17.231	178	16026	2.411	ng	95

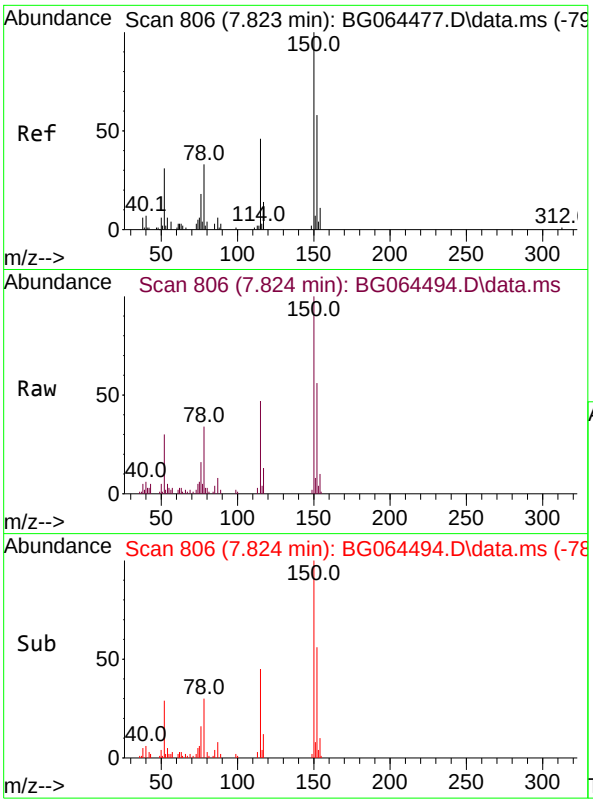
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100325\
Data File : BG064494.D
Acq On : 3 Oct 2025 19:40
Operator : RC/JU
Sample : Q3274-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW4

Quant Time: Oct 04 00:00:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration



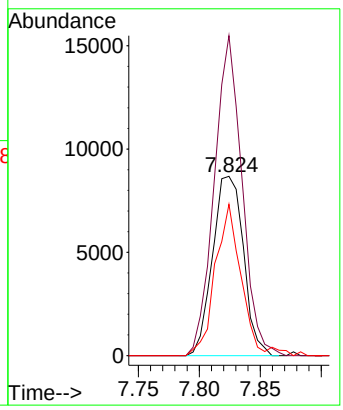


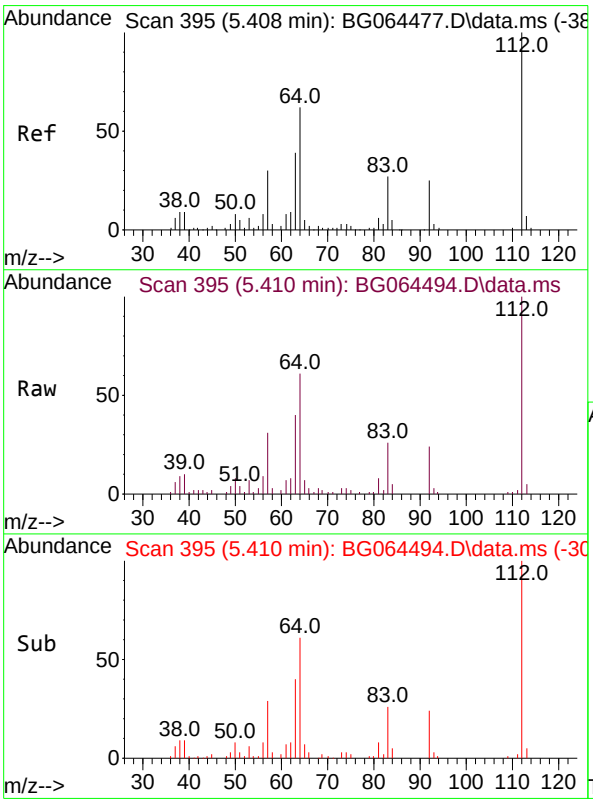
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.824 min Scan# 80
Delta R.T. 0.004 min
Lab File: BG064494.D
Acq: 3 Oct 2025 19:40

Instrument :
BNA_G
ClientSampleId :
MW4

Tgt Ion:152 Resp: 15257

Ion	Ratio	Lower	Upper
152	100		
150	178.5	138.6	207.8
115	84.4	63.4	95.2

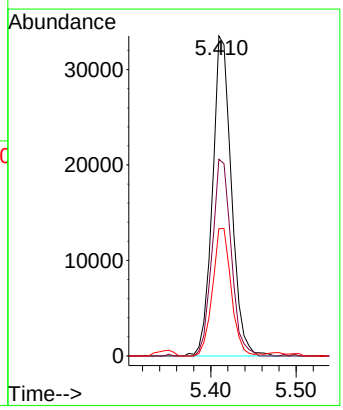


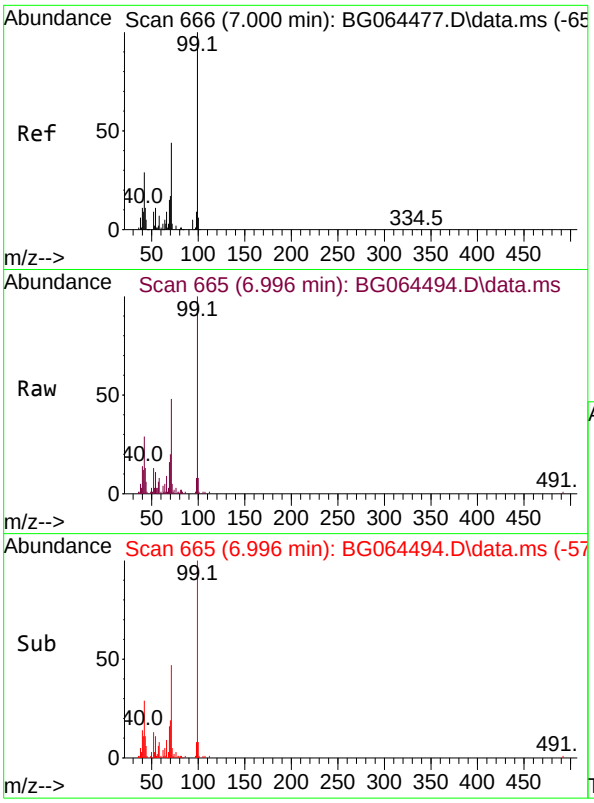


#5
2-Fluorophenol
Concen: 62.743 ng
RT: 5.410 min Scan# 395
Delta R.T. 0.004 min
Lab File: BG064494.D
Acq: 3 Oct 2025 19:40

Tgt Ion:112 Resp: 51725

Ion	Ratio	Lower	Upper
112	100		
64	61.4	49.8	74.8
63	39.7	31.3	46.9



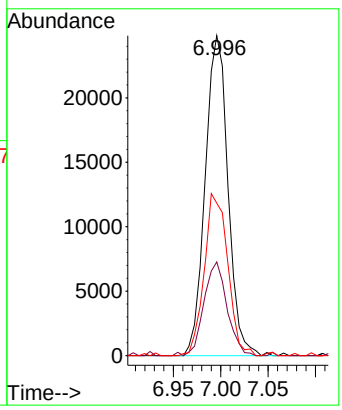


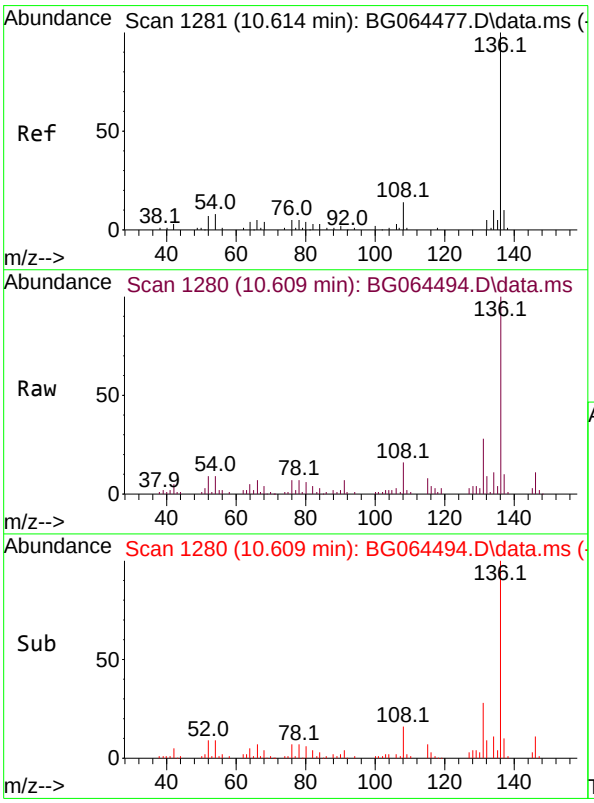
#7
Phenol-d6
Concen: 37.472 ng
RT: 6.996 min Scan# 6
Delta R.T. 0.010 min
Lab File: BG064494.D
Acq: 3 Oct 2025 19:40

Instrument :
BNA_G
ClientSampleId :
MW4

Tgt Ion: 99 Resp: 41514

Ion	Ratio	Lower	Upper
99	100		
42	29.3	22.9	34.3
71	47.6	35.4	53.2

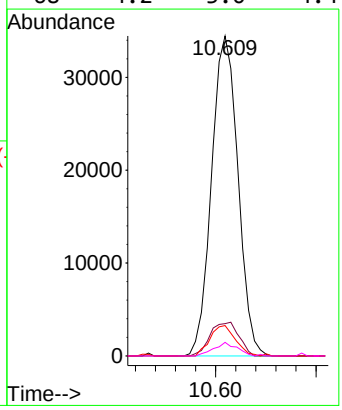


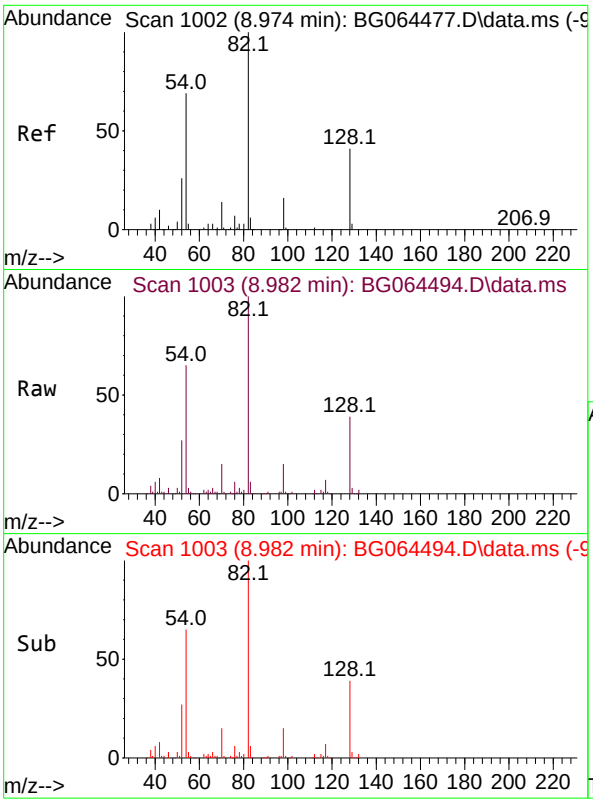


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.609 min Scan# 1280
Delta R.T. 0.004 min
Lab File: BG064494.D
Acq: 3 Oct 2025 19:40

Tgt Ion:136 Resp: 63069

Ion	Ratio	Lower	Upper
136	100		
137	10.1	8.3	12.5
54	9.5	6.2	9.4#
68	4.2	3.0	4.4



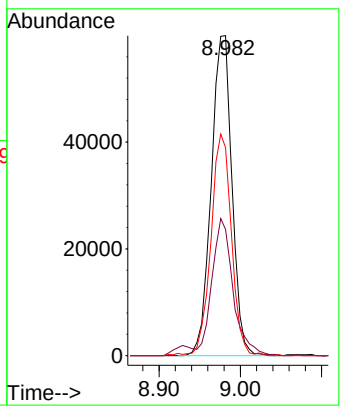


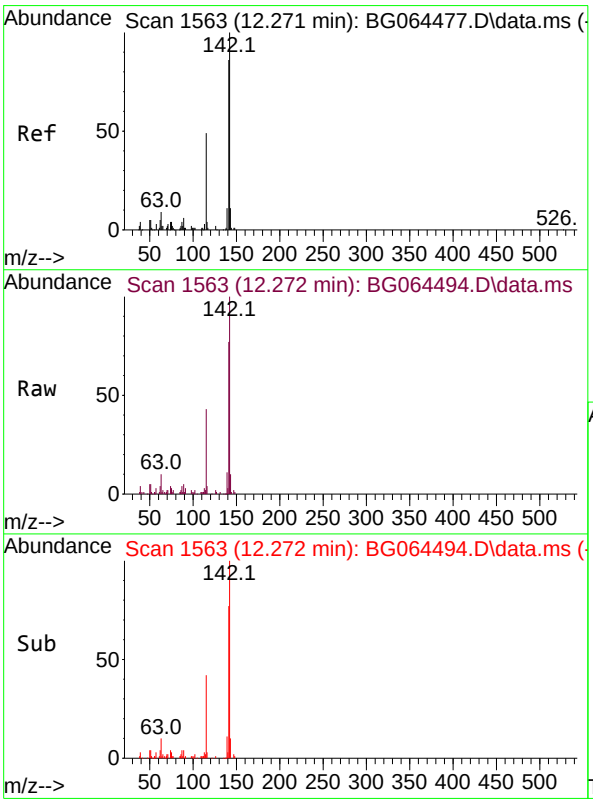
#23
Nitrobenzene-d5
Concen: 90.500 ng
RT: 8.982 min Scan# 1
Delta R.T. 0.016 min
Lab File: BG064494.D
Acq: 3 Oct 2025 19:40

Instrument :
BNA_G
ClientSampleId :
MW4

Tgt Ion: 82 Resp: 106151

Ion	Ratio	Lower	Upper
82	100		
128	39.4	33.1	49.7
54	65.0	55.4	83.2

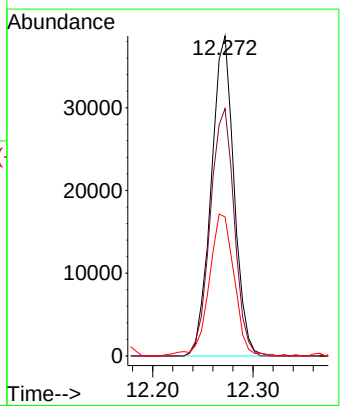


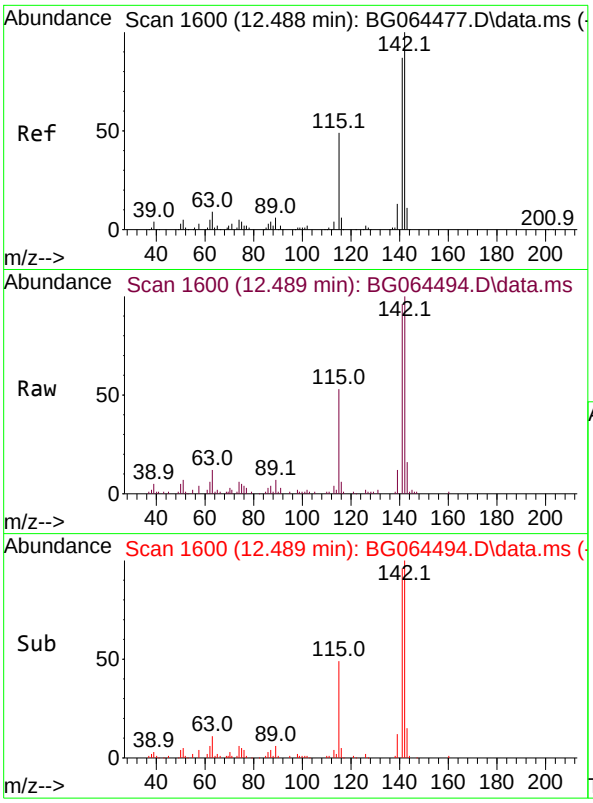


#37
2-Methylnaphthalene
Concen: 24.535 ng
RT: 12.272 min Scan# 1563
Delta R.T. 0.004 min
Lab File: BG064494.D
Acq: 3 Oct 2025 19:40

Tgt Ion:142 Resp: 61166

Ion	Ratio	Lower	Upper
142	100		
141	77.3	68.7	103.1
115	43.4	39.3	58.9



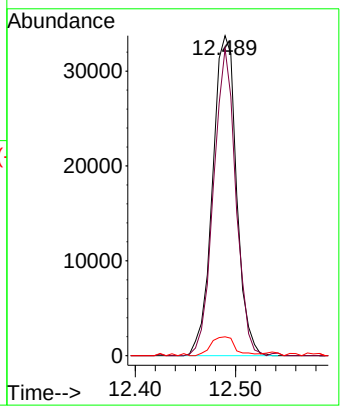


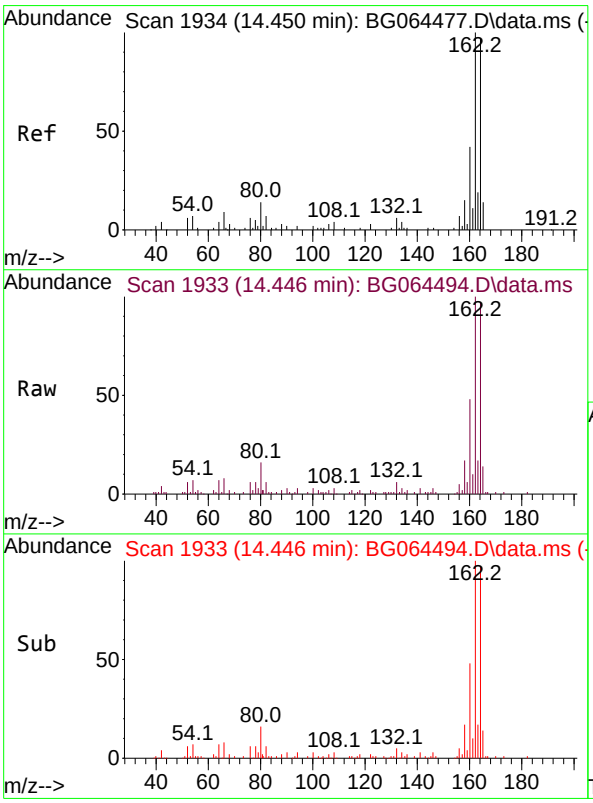
#38
1-Methylnaphthalene
Concen: 22.495 ng
RT: 12.489 min Scan# 1
Delta R.T. 0.004 min
Lab File: BG064494.D
Acq: 3 Oct 2025 19:40

Instrument :
BNA_G
ClientSampleId :
MW4

Tgt Ion:142 Resp: 55919

Ion	Ratio	Lower	Upper
142	100		
141	95.9	69.8	104.8
116	5.9	4.6	6.8

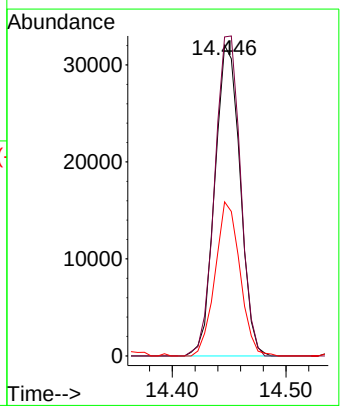


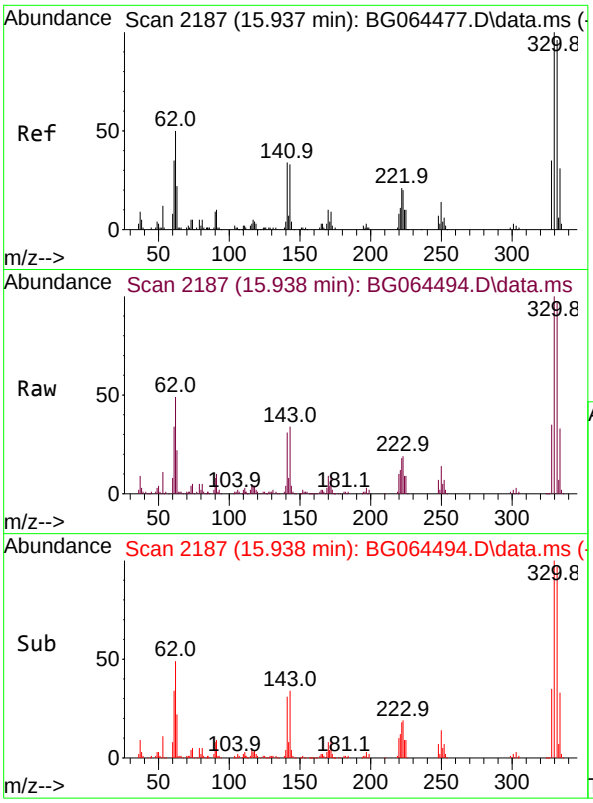


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.446 min Scan# 1933
Delta R.T. -0.002 min
Lab File: BG064494.D
Acq: 3 Oct 2025 19:40

Tgt Ion:164 Resp: 49495

Ion	Ratio	Lower	Upper
164	100		
162	102.7	82.2	123.2
160	49.6	34.3	51.5



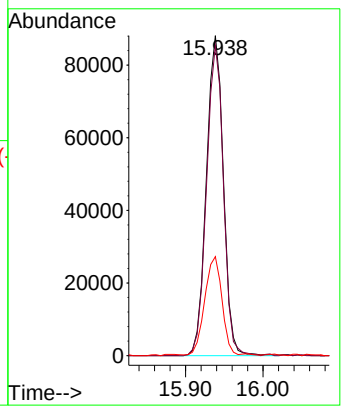


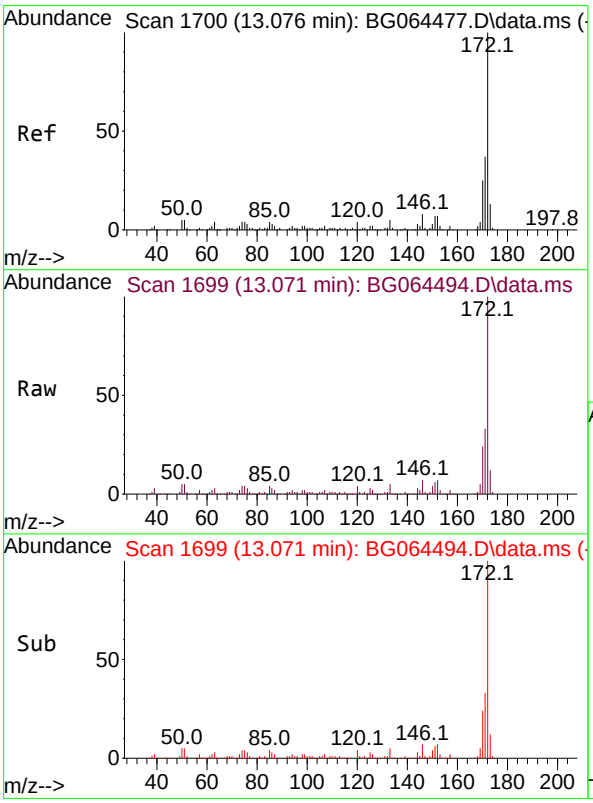
#42
2,4,6-Tribromophenol
Concen: 149.642 ng
RT: 15.938 min Scan# 21
Delta R.T. 0.004 min
Lab File: BG064494.D
Acq: 3 Oct 2025 19:40

Instrument :
BNA_G
ClientSampleId :
MW4

Tgt Ion:330 Resp: 134254

Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.4	116.0
141	31.2	25.8	38.6

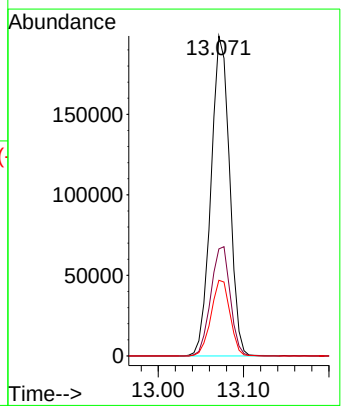


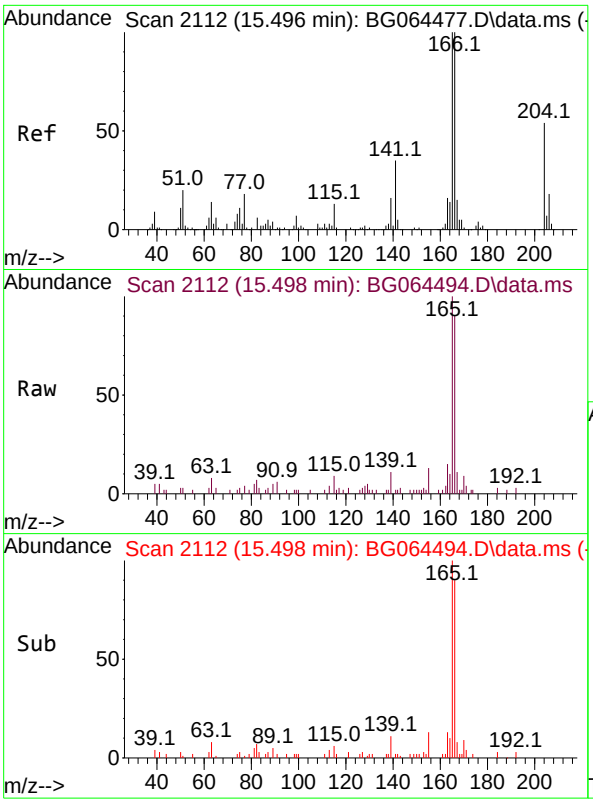


#45
2-Fluorobiphenyl
Concen: 89.518 ng
RT: 13.071 min Scan# 1699
Delta R.T. 0.004 min
Lab File: BG064494.D
Acq: 3 Oct 2025 19:40

Tgt Ion:172 Resp: 300588

Ion	Ratio	Lower	Upper
172	100		
171	33.5	29.6	44.4
170	23.6	20.2	30.2



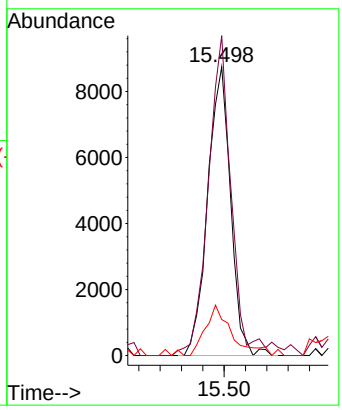


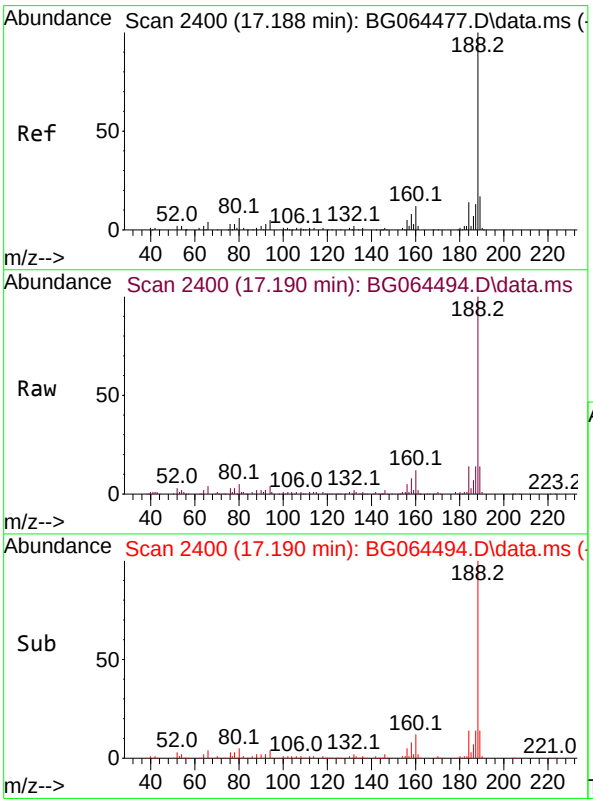
#58
Fluorene
Concen: 3.473 ng
RT: 15.498 min Scan# 21
Delta R.T. 0.004 min
Lab File: BG064494.D
Acq: 3 Oct 2025 19:40

Instrument :
BNA_G
ClientSampleId :
MW4

Tgt Ion:166 Resp: 13066

Ion	Ratio	Lower	Upper
166	100		
165	110.8	79.8	119.6
167	12.5	11.7	17.5

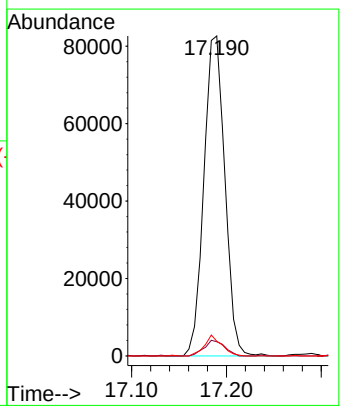


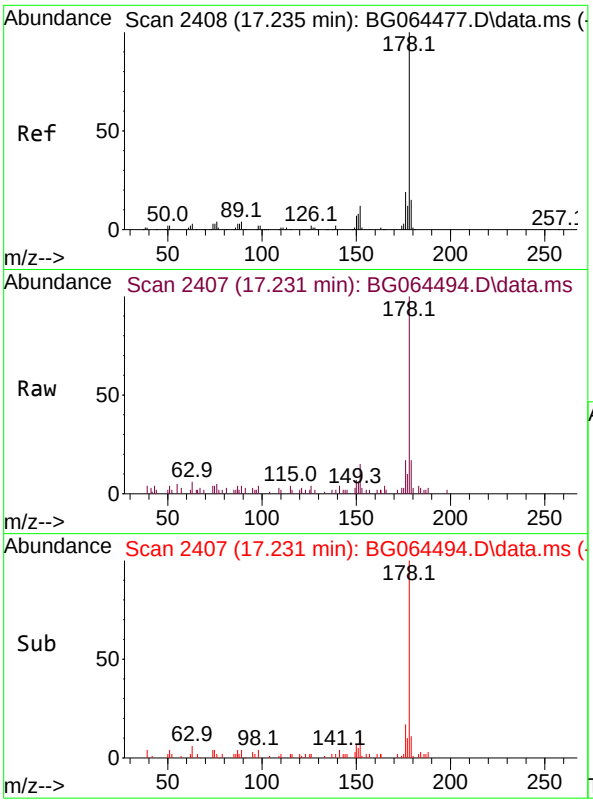


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.190 min Scan# 2400
Delta R.T. 0.004 min
Lab File: BG064494.D
Acq: 3 Oct 2025 19:40

Tgt Ion:188 Resp: 127112

Ion	Ratio	Lower	Upper
188	100		
94	4.4	3.7	5.5
80	4.6	4.5	6.7



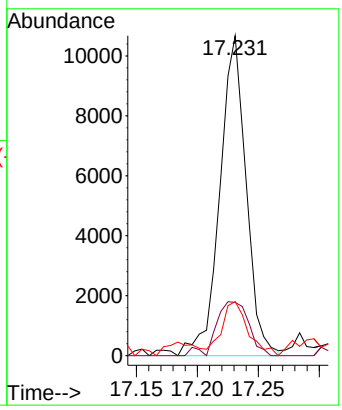


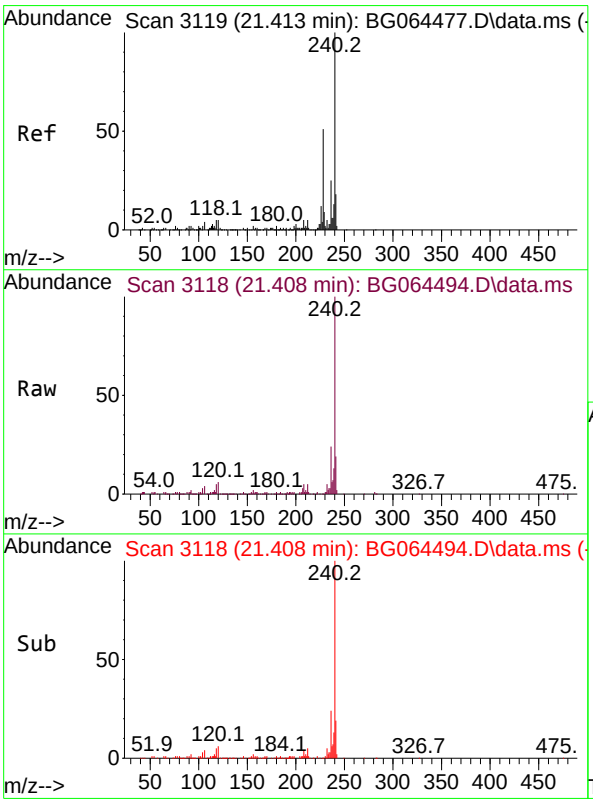
#71
Phenanthrene
Concen: 2.411 ng
RT: 17.231 min Scan# 24
Delta R.T. 0.004 min
Lab File: BG064494.D
Acq: 3 Oct 2025 19:40

Instrument :
BNA_G
ClientSampleId :
MW4

Tgt Ion:178 Resp: 16026

Ion	Ratio	Lower	Upper
178	100		
176	16.7	15.2	22.8
179	16.9	11.8	17.6

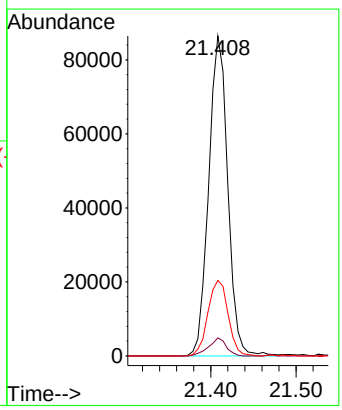


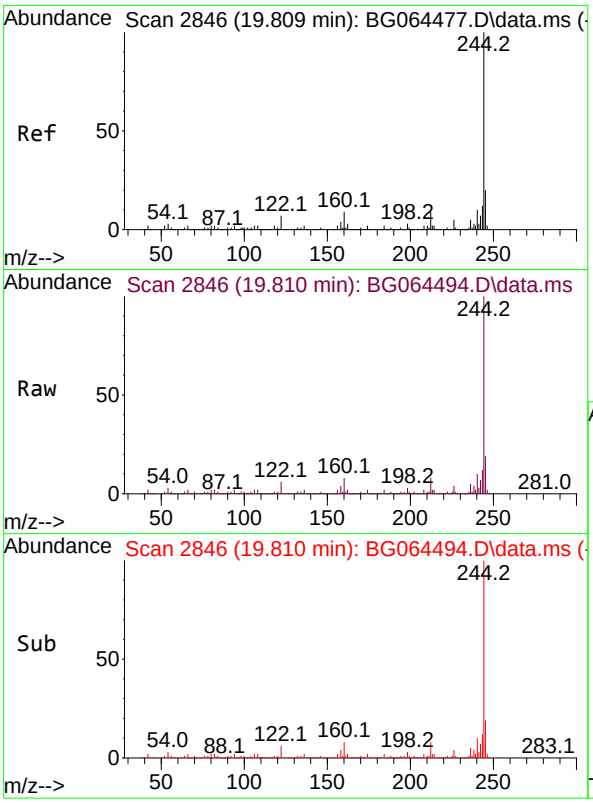


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.408 min Scan# 3118
Delta R.T. -0.002 min
Lab File: BG064494.D
Acq: 3 Oct 2025 19:40

Tgt Ion:240 Resp: 134148

Ion	Ratio	Lower	Upper
240	100		
120	5.6	4.3	6.5
236	23.6	20.4	30.6



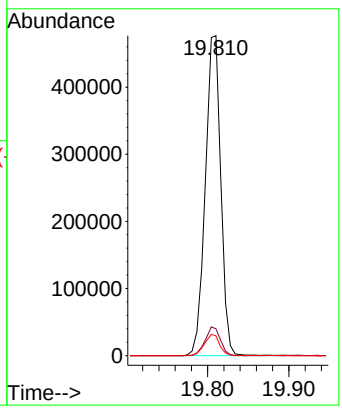


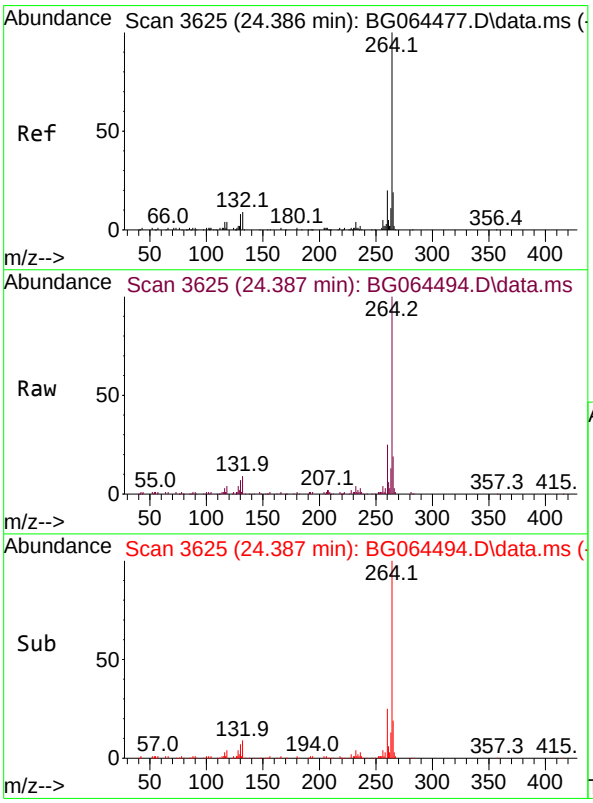
#79
Terphenyl-d14
Concen: 89.098 ng
RT: 19.810 min Scan# 2
Delta R.T. 0.004 min
Lab File: BG064494.D
Acq: 3 Oct 2025 19:40

Instrument :
BNA_G
ClientSampleId :
MW4

Tgt Ion:244 Resp: 631565

Ion	Ratio	Lower	Upper
244	100		
212	8.4	7.0	10.6
122	6.2	5.6	8.4

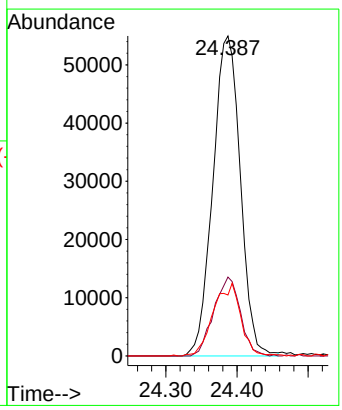




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.387 min Scan# 3625
Delta R.T. -0.002 min
Lab File: BG064494.D
Acq: 3 Oct 2025 19:40

Tgt Ion:264 Resp: 147315

Ion	Ratio	Lower	Upper
264	100		
260	24.6	16.2	24.4#
265	19.0	15.0	22.4



Sample Results: **BG064494.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100325\
Data File : BG064494.D
Acq On : 3 Oct 2025 19:40
Operator : RC/JU
Sample : Q3274-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW4

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG064494.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.553	74	79	90	rVB2	36512	67623	3.78%	0.516%
2	3.817	118	124	129	rBV2	13978	20850	1.17%	0.159%
3	4.076	164	168	172	rVB	14589	20500	1.15%	0.156%
4	4.211	182	191	195	rBV4	13529	26335	1.47%	0.201%
5	4.340	209	213	220	rVB4	17437	31470	1.76%	0.240%
6	4.499	231	240	242	rBV5	11498	21308	1.19%	0.163%
7	4.534	242	246	250	rVV5	17175	28488	1.59%	0.217%
8	4.986	319	323	328	rVB2	17936	25072	1.40%	0.191%
9	5.351	381	385	389	rVB2	19372	26748	1.50%	0.204%
10	5.410	389	395	401	rBV	140792	217111	12.14%	1.656%
11	6.320	542	550	560	rBV3	34304	67909	3.80%	0.518%
12	6.808	627	633	641	rVB	75212	117362	6.56%	0.895%
13	6.996	657	665	673	rVB2	94393	168852	9.44%	1.288%
14	7.219	698	703	709	rVB3	17007	25494	1.43%	0.194%
15	7.548	752	759	766	rBV5	15342	36055	2.02%	0.275%
16	7.701	779	785	786	rBV3	13623	19061	1.07%	0.145%
17	7.730	786	790	794	rVV2	19114	30474	1.70%	0.232%
18	7.783	794	799	801	rVV	25155	35131	1.96%	0.268%
19	7.824	801	806	811	rVB	61901	99946	5.59%	0.762%
20	8.194	863	869	876	rVB	128104	215058	12.03%	1.640%
21	8.318	882	890	895	rBV	128513	194121	10.86%	1.481%
22	8.465	909	915	920	rBV2	87321	147098	8.23%	1.122%
23	8.512	920	923	930	rVB2	29935	45635	2.55%	0.348%
24	8.623	939	942	954	rVB	12708	22658	1.27%	0.173%
25	8.929	987	994	998	rBV	394778	636165	35.58%	4.853%
26	8.982	998	1003	1005	rVV	209509	383441	21.45%	2.925%
27	9.005	1005	1007	1016	rVB2	187787	282459	15.80%	2.155%
28	9.170	1028	1035	1043	rVB6	19740	41935	2.35%	0.320%
29	9.276	1045	1053	1057	rBV3	12528	24912	1.39%	0.190%
30	9.446	1076	1082	1088	rVB	205654	326538	18.26%	2.491%
31	9.704	1117	1126	1131	rBV3	20784	32481	1.82%	0.248%
32	9.810	1139	1144	1148	rBV3	32022	56862	3.18%	0.434%
33	9.863	1148	1153	1164	rVB	150055	283678	15.87%	2.164%
34	10.016	1164	1179	1187	rBV2	318215	571299	31.95%	4.358%
35	10.092	1187	1192	1197	rVV2	21232	31716	1.77%	0.242%
36	10.204	1202	1211	1215	rVV5	22409	50348	2.82%	0.384%

Sample Results: **BG064494.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100325\
Data File : BG064494.D
Acq On : 3 Oct 2025 19:40
Operator : RC/JU
Sample : Q3274-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW4

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	10.245	1215	1218	1224	rVV4	13479	18884	1.06%	0.144%
38	10.316	1224	1230	1236	rVB2	23762	39727	2.22%	0.303%
39	10.533	1262	1267	1269	rBV	23212	33057	1.85%	0.252%
40	10.598	1269	1278	1284	rVV2	136590	344557	19.27%	2.628%
41	10.662	1284	1289	1295	rVV4	68658	129731	7.26%	0.990%
42	10.727	1295	1300	1307	rVB	72186	121367	6.79%	0.926%
43	10.827	1312	1317	1323	rBV2	23239	35352	1.98%	0.270%
44	10.897	1323	1329	1337	rVB4	18522	39974	2.24%	0.305%
45	10.979	1339	1343	1349	rVB3	11778	18745	1.05%	0.143%
46	11.079	1354	1360	1365	rVB2	17641	30818	1.72%	0.235%
47	11.185	1371	1378	1383	rBV4	16153	33617	1.88%	0.256%
48	11.267	1388	1392	1398	rVB2	42111	70984	3.97%	0.541%
49	11.526	1429	1436	1443	rVB2	55120	97052	5.43%	0.740%
50	11.720	1463	1469	1475	rBV2	49131	85020	4.76%	0.649%
51	11.802	1475	1483	1492	rVB2	37844	76726	4.29%	0.585%
52	11.937	1498	1506	1511	rVB2	19884	36342	2.03%	0.277%
53	11.996	1511	1516	1524	rBV2	34618	59800	3.34%	0.456%
54	12.160	1539	1544	1550	rVB3	42964	73675	4.12%	0.562%
55	12.272	1553	1563	1571	rVV	131494	228396	12.77%	1.742%
56	12.489	1593	1600	1605	rBV	135829	225840	12.63%	1.723%
57	12.572	1612	1614	1625	rVB7	9059	22105	1.24%	0.169%
58	13.071	1692	1699	1706	rVB	609861	939121	52.53%	7.164%
59	13.318	1731	1741	1747	rBV5	43991	105404	5.90%	0.804%
60	13.388	1749	1753	1760	rVB4	11972	21135	1.18%	0.161%
61	13.482	1764	1769	1771	rBV2	24552	41625	2.33%	0.318%
62	13.612	1783	1791	1793	rBV2	72459	122227	6.84%	0.932%
63	13.770	1807	1818	1823	rBV2	152733	291364	16.30%	2.223%
64	13.823	1823	1827	1838	rVB	77142	129135	7.22%	0.985%
65	14.005	1854	1858	1861	rBV	71209	102852	5.75%	0.785%
66	14.170	1878	1886	1893	rBV2	51026	98607	5.52%	0.752%
67	14.446	1927	1933	1940	rBV	154223	244090	13.65%	1.862%
68	14.511	1940	1944	1947	rBV3	16373	27787	1.55%	0.212%
69	14.663	1965	1970	1978	rVB7	11560	27936	1.56%	0.213%
70	14.846	1996	2001	2007	rVB4	38183	65315	3.65%	0.498%
71	14.922	2010	2014	2019	rVB4	23629	32199	1.80%	0.246%
72	15.069	2029	2039	2044	rBV4	25710	49408	2.76%	0.377%
73	15.122	2044	2048	2051	rVB3	16510	23212	1.30%	0.177%
74	15.239	2061	2068	2071	rBV7	12358	28764	1.61%	0.219%
75	15.274	2071	2074	2079	rVB4	20241	28859	1.61%	0.220%
76	15.492	2106	2111	2116	rVB3	37867	56883	3.18%	0.434%

Sample Results: **BG064494.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100325\
Data File : BG064494.D
Acq On : 3 Oct 2025 19:40
Operator : RC/JU
Sample : Q3274-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW4

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	15.621	2128	2133	2136	rBV	40722	57314	3.21%	0.437%
78	15.656	2136	2139	2143	rVB5	14636	22505	1.26%	0.172%
79	15.803	2158	2164	2172	rVB2	43865	80374	4.50%	0.613%
80	15.938	2180	2187	2195	rBV	677149	1045022	58.45%	7.971%
81	16.549	2287	2291	2297	rBV5	27784	49391	2.76%	0.377%
82	17.008	2365	2369	2376	rVB6	16980	32448	1.81%	0.248%
83	17.190	2391	2400	2404	rBV2	208658	335383	18.76%	2.558%
84	17.231	2404	2407	2411	rVB2	24999	34018	1.90%	0.259%
85	17.713	2484	2489	2493	rBV4	20423	36066	2.02%	0.275%
86	18.083	2544	2552	2562	rBV4	61463	130959	7.32%	0.999%
87	18.947	2694	2699	2701	rBV6	13158	19262	1.08%	0.147%
88	19.364	2766	2770	2773	rBV5	13744	18171	1.02%	0.139%
89	19.804	2839	2845	2852	rBV	1345545	1787867	100.00%	13.638%
90	21.085	3057	3063	3072	rBV9	22947	38853	2.17%	0.296%
91	21.408	3112	3118	3126	rVB	229378	352188	19.70%	2.686%
92	24.387	3615	3625	3635	rBV2	142488	380002	21.25%	2.899%

Sum of corrected areas: 13109708

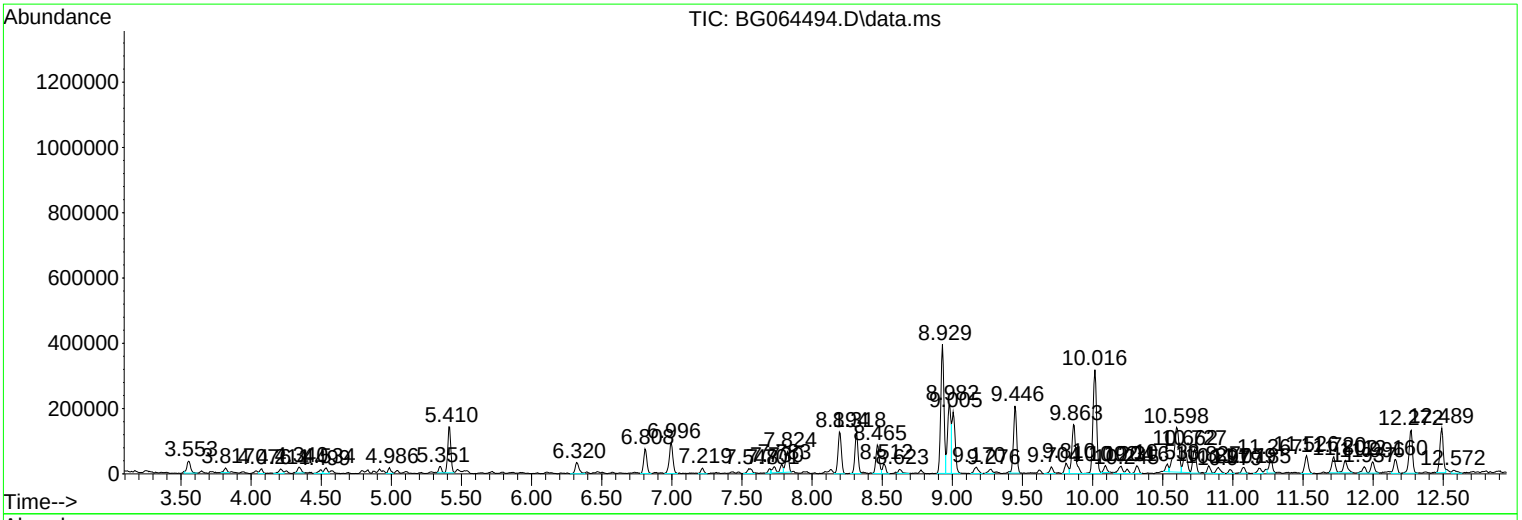
Sample Results: **BG064494.D**

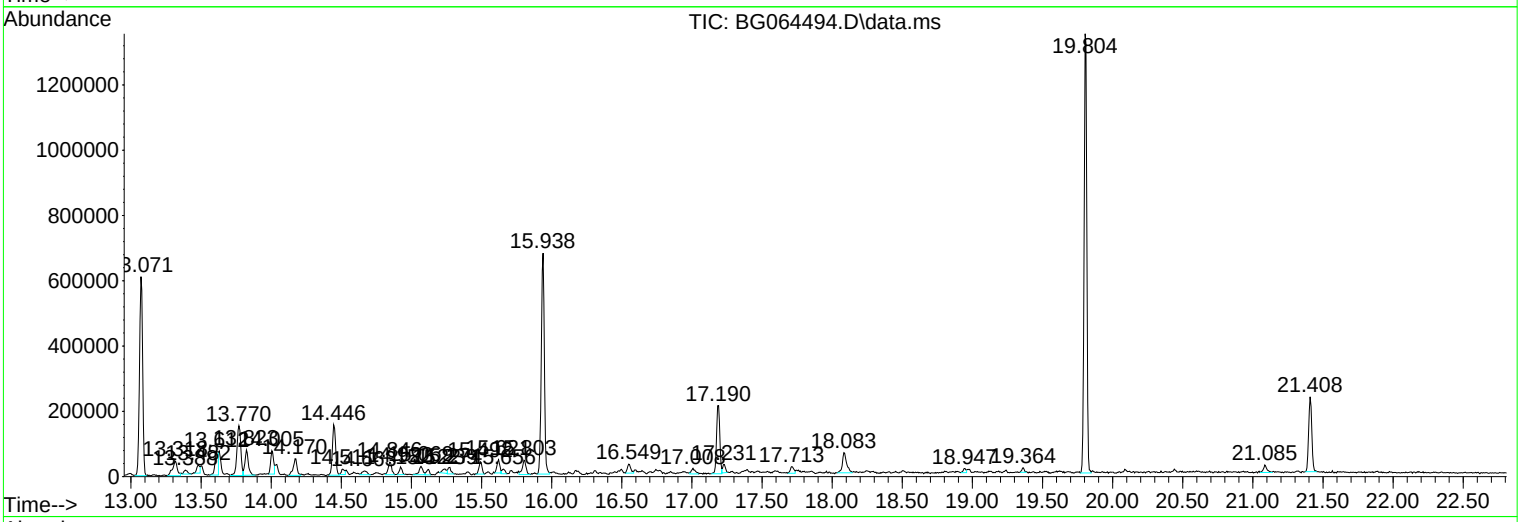
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100325\
Data File : BG064494.D
Acq On : 3 Oct 2025 19:40
Operator : RC/JU
Sample : Q3274-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

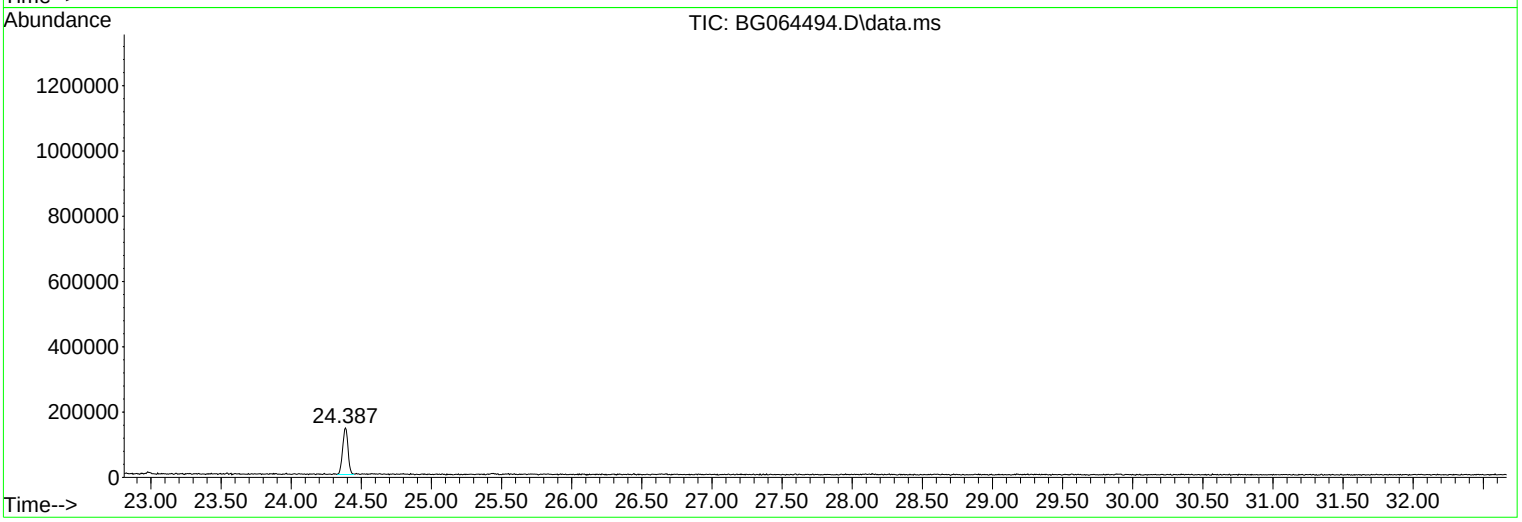
Instrument :
BNA_G
ClientSampleId :
MW4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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







Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100325\
Data File : BG064494.D
Acq On : 3 Oct 2025 19:40
Operator : RC/JU
Sample : Q3274-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

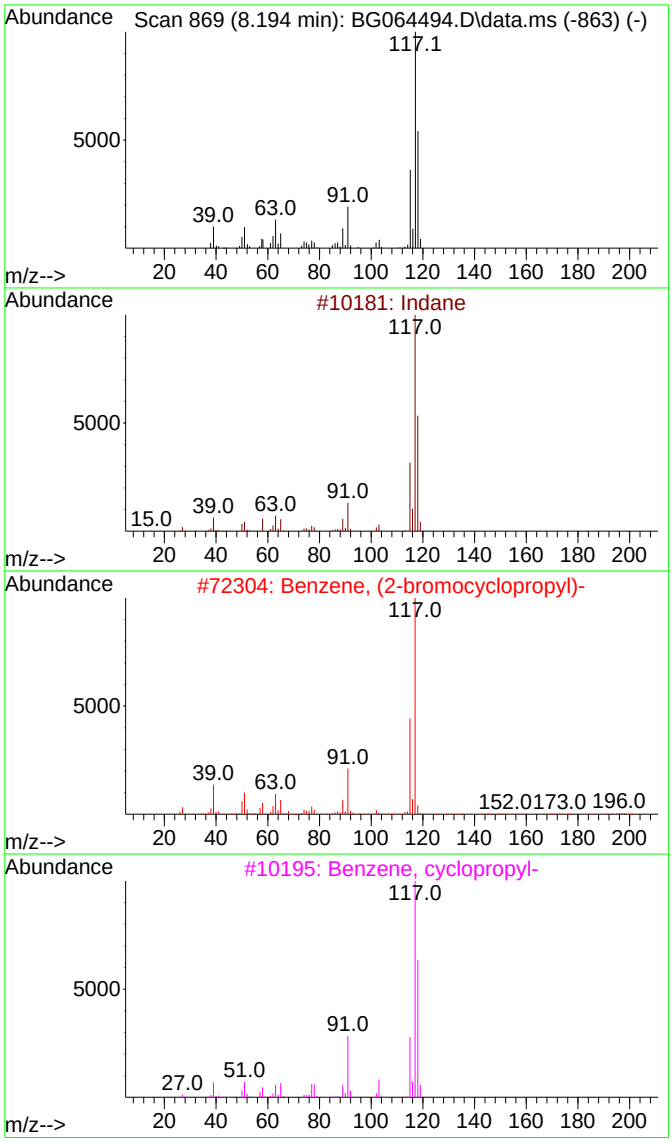
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

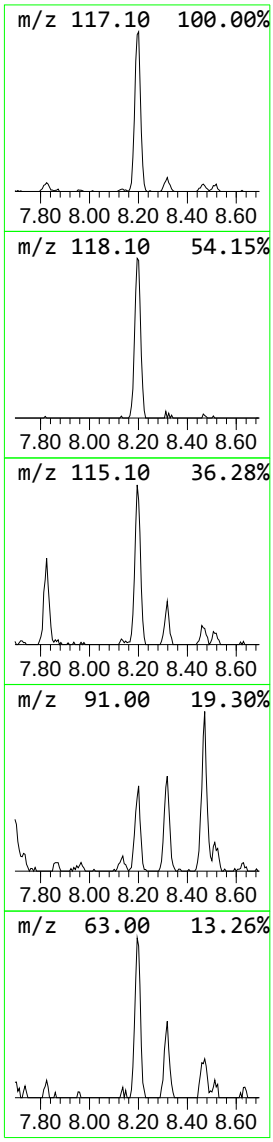
****

Peak Number 4 Indane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.194	43.03 ng	215058	1,4-Dichlorobenzene-d4	7.824

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	Benzene, (2-bromocyclopropyl)-	196	C9H9Br	036617-02-4	64
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	59
4	Deltacyclene	118	C9H10	007785-10-6	53
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100325\
Data File : BG064494.D
Acq On : 3 Oct 2025 19:40
Operator : RC/JU
Sample : Q3274-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

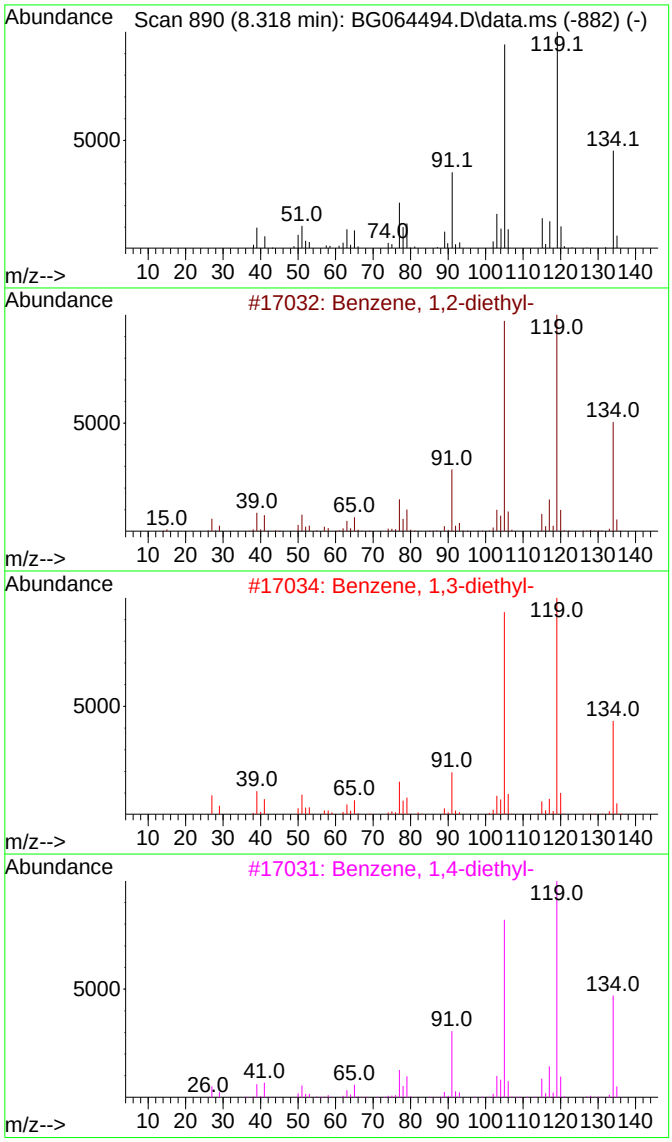
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

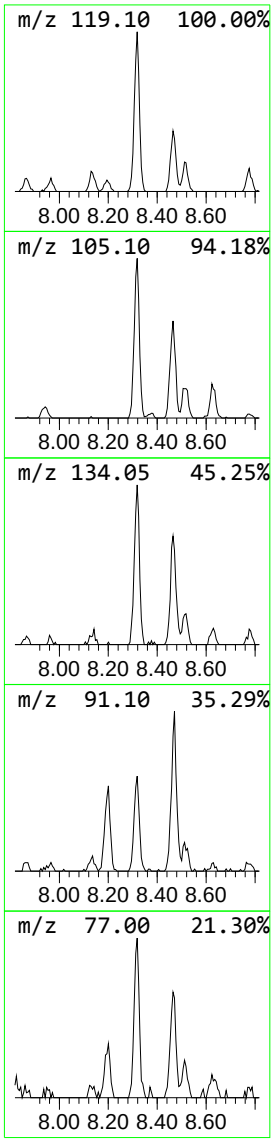
****

Peak Number 5 Benzene, 1,2-diethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.318	38.85 ng	194121	1,4-Dichlorobenzene-d4	7.824

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	95
2	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	95
3	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	94
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	87
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100325\
Data File : BG064494.D
Acq On : 3 Oct 2025 19:40
Operator : RC/JU
Sample : Q3274-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW4

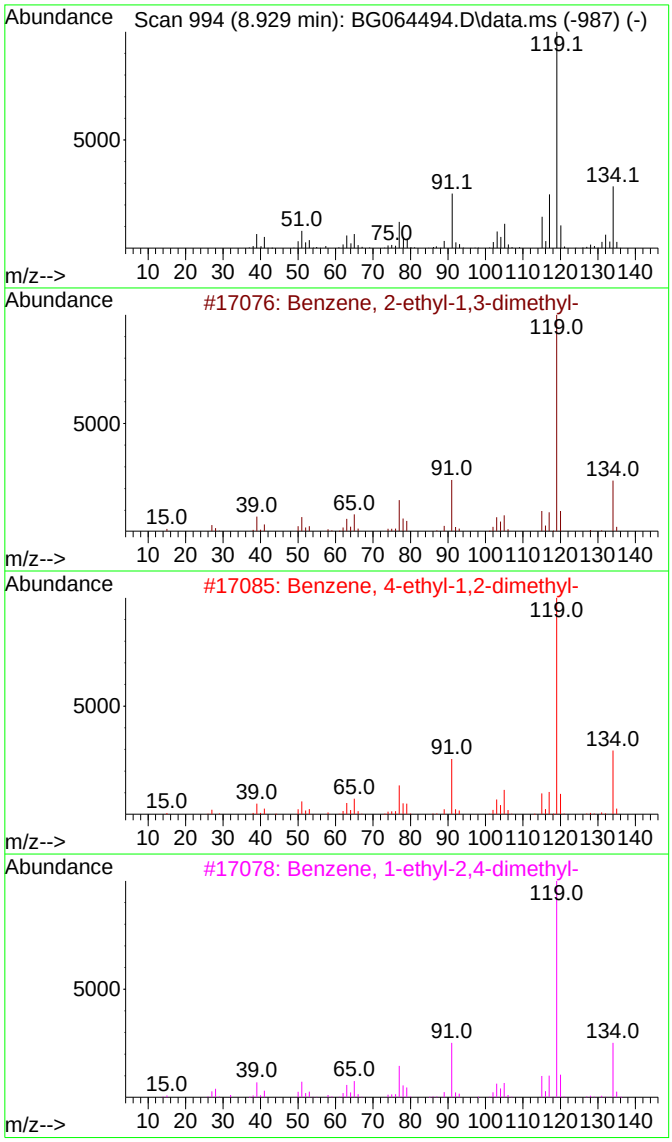
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

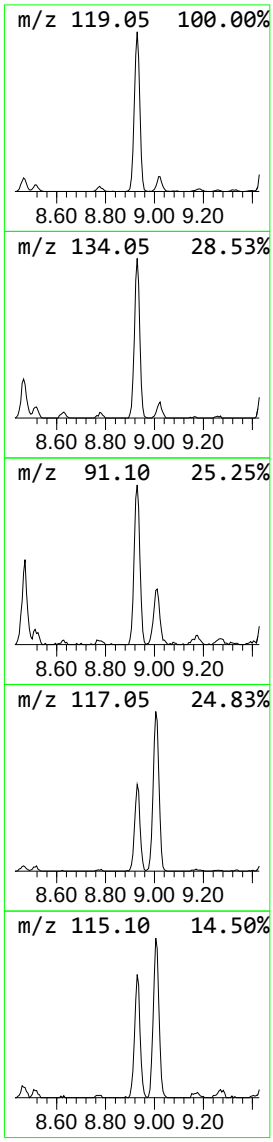
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Benzene, 2-ethyl-1,3-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.929	127.30 ng	636165	1,4-Dichlorobenzene-d4	7.824

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
4	p-Cymene	134	C10H14	000099-87-6	87
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	87





Sample Results: **BG064494.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100325\
Data File : BG064494.D
Acq On : 3 Oct 2025 19:40
Operator : RC/JU
Sample : Q3274-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW4

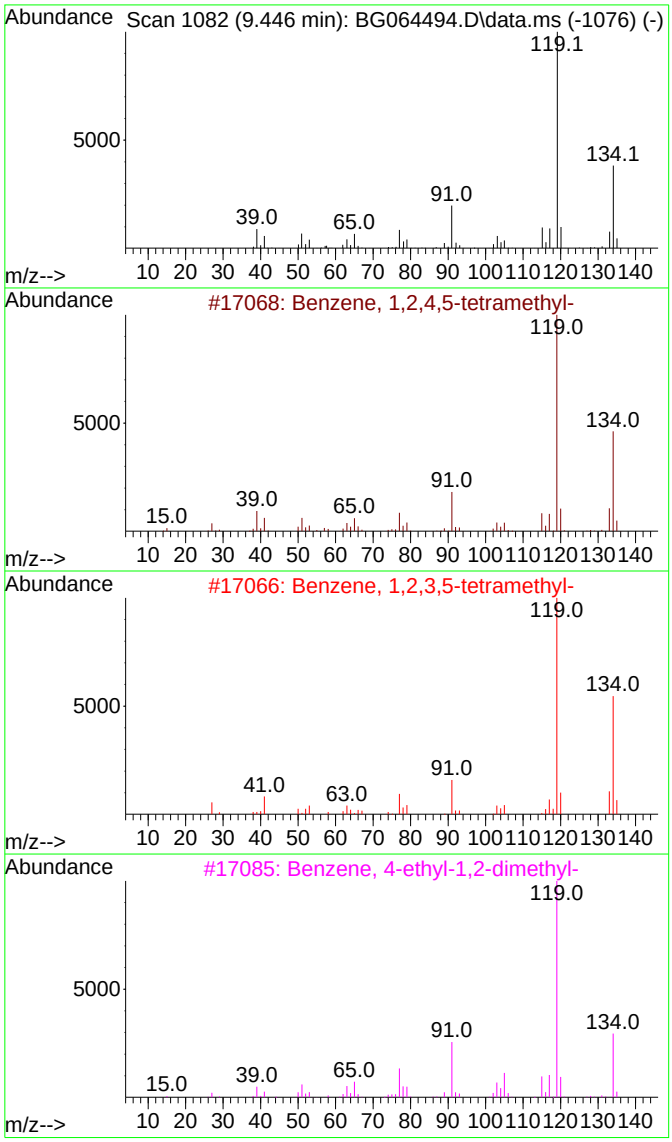
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

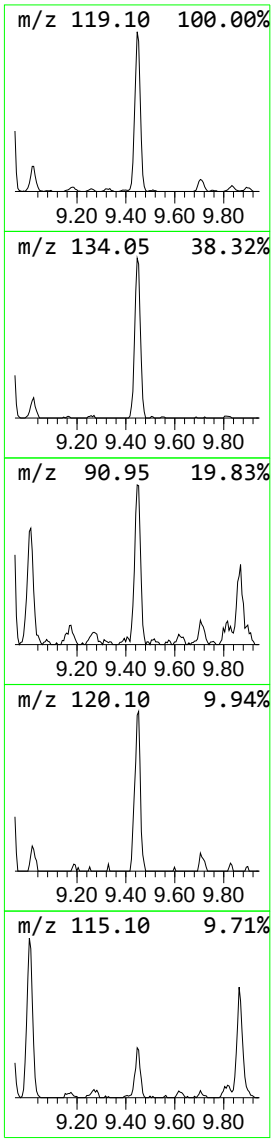
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.446	18.95 ng	326538	Naphthalene-d8	10.609

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	91
4	o-Cymene	134	C10H14	000527-84-4	91
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100325\
Data File : BG064494.D
Acq On : 3 Oct 2025 19:40
Operator : RC/JU
Sample : Q3274-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

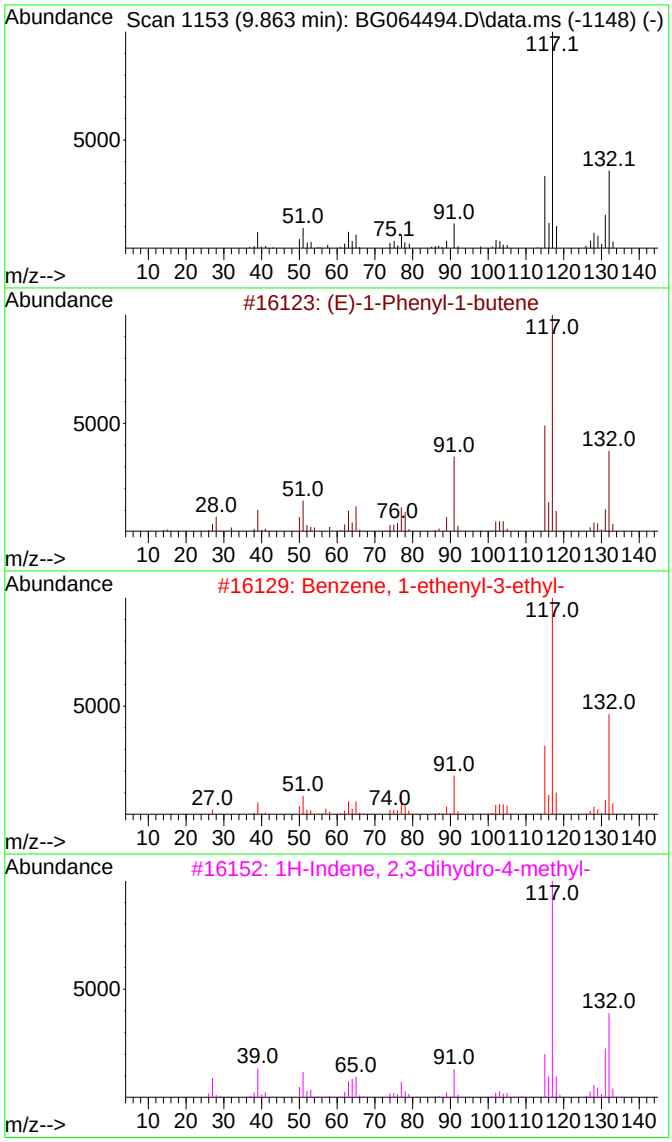
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

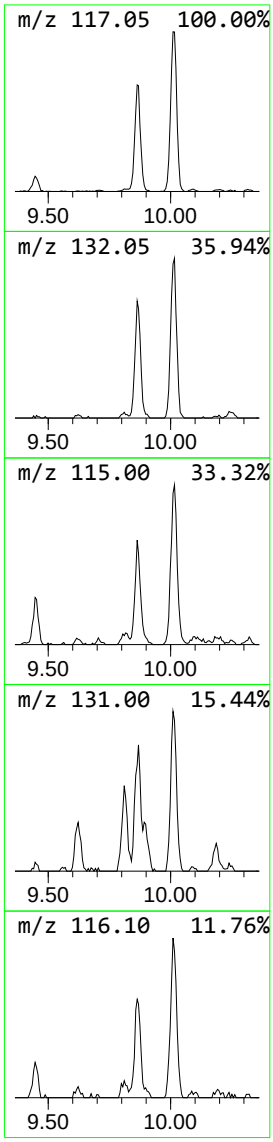
****

Peak Number 11 (E)-1-Phenyl-1-butene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.863	16.47 ng	283678	Naphthalene-d8	10.609

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	94
2	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	90
3	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	87
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	87
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100325\
Data File : BG064494.D
Acq On : 3 Oct 2025 19:40
Operator : RC/JU
Sample : Q3274-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

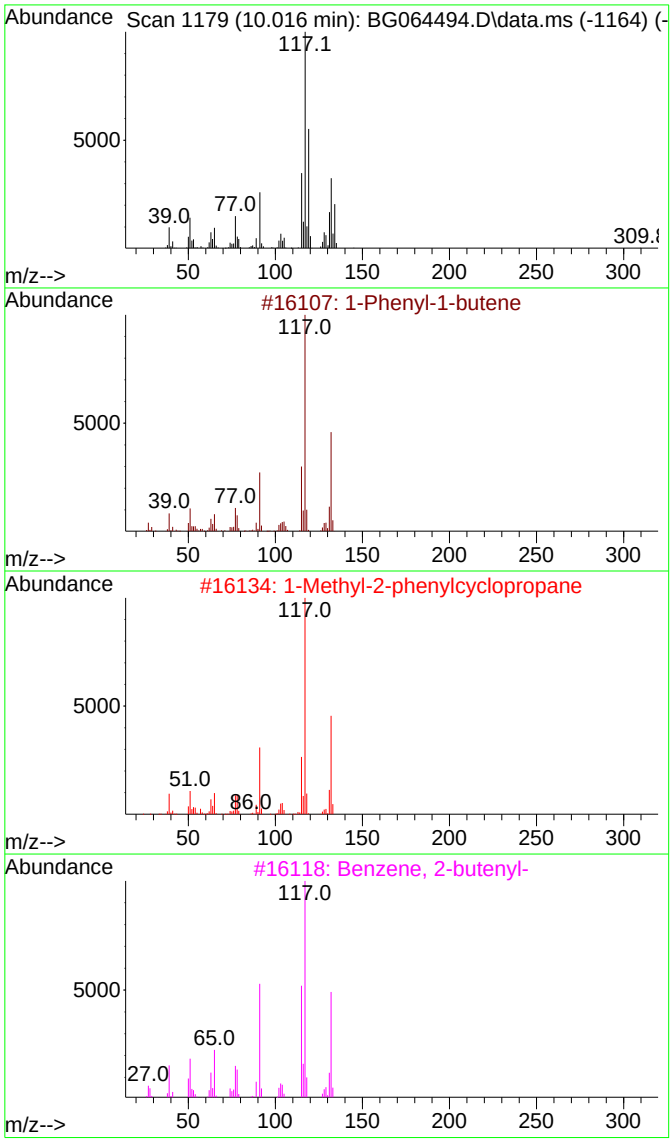
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

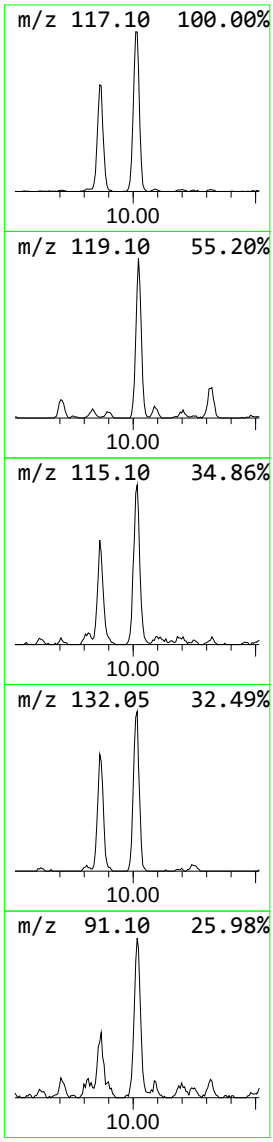
****

Peak Number 12 1-Phenyl-1-butene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.016	33.16 ng	571299	Naphthalene-d8	10.609

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8	93
2	1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	91
3	Benzene, 2-butenyl-	132	C10H12	001560-06-1	89
4	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	87
5	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	70





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100325\
Data File : BG064494.D
Acq On : 3 Oct 2025 19:40
Operator : RC/JU
Sample : Q3274-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

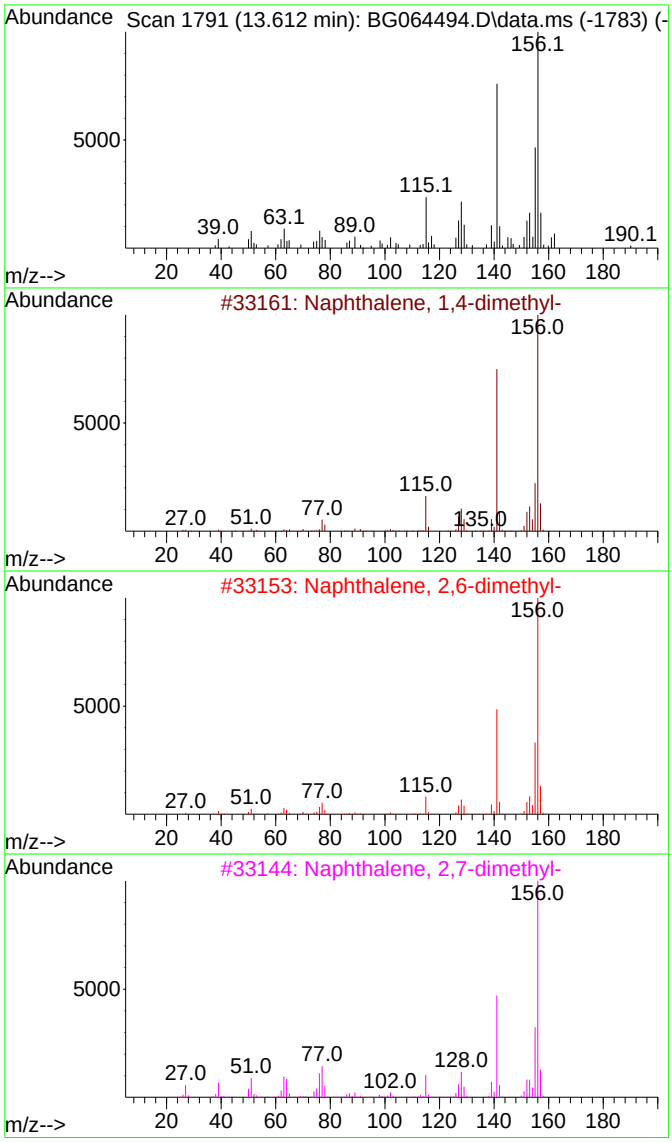
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

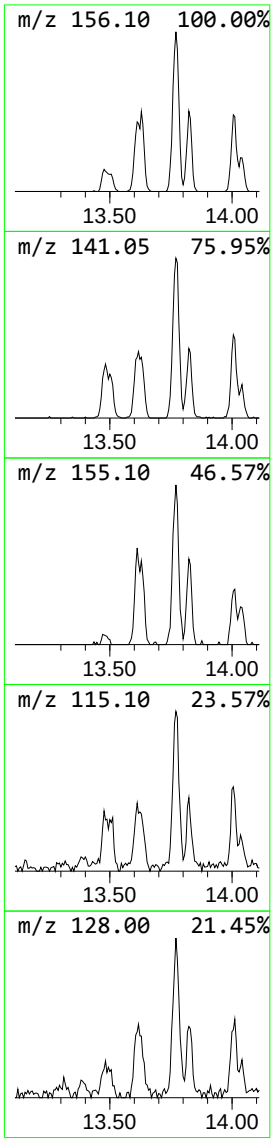
****

Peak Number 15 Naphthalene, 1,4-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.612	10.01 ng	122227	Acenaphthene-d10	14.446

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	94
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	94
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	93
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100325\
Data File : BG064494.D
Acq On : 3 Oct 2025 19:40
Operator : RC/JU
Sample : Q3274-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

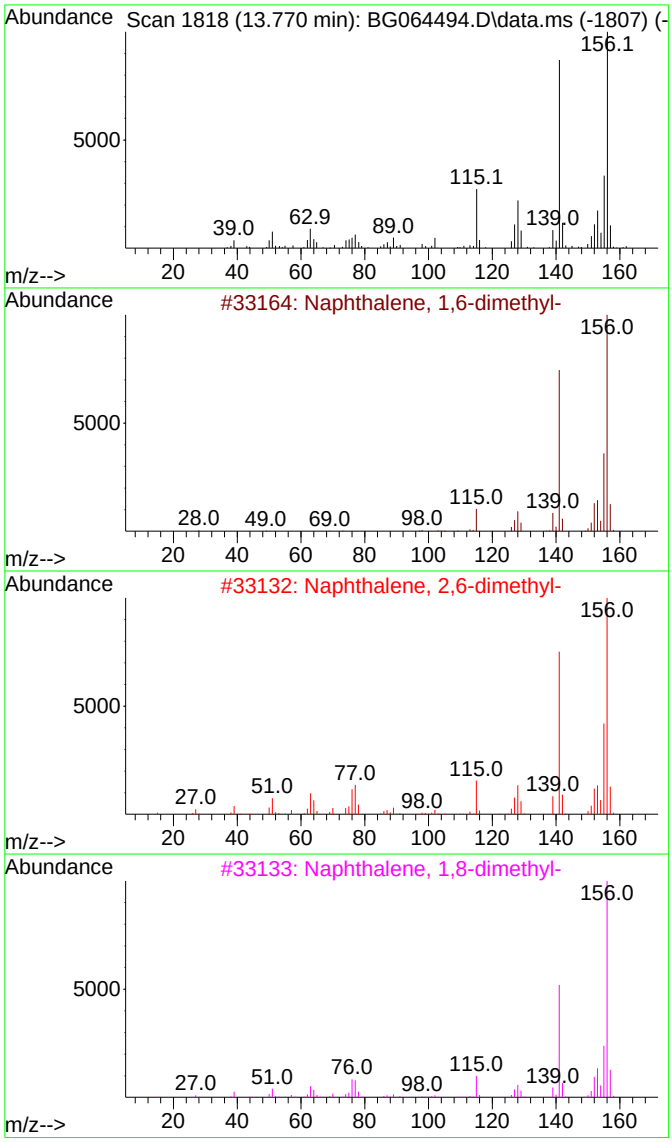
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

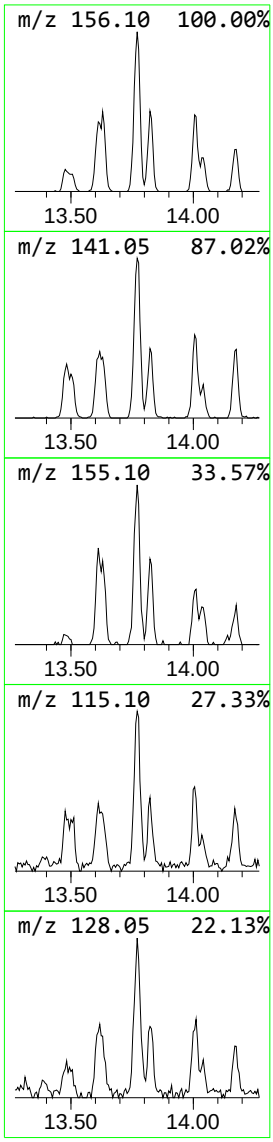
****

Peak Number 16 Naphthalene, 1,6-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.770	23.87 ng	291364	Acenaphthene-d10	14.446

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	94
3	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	91
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	91
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100325\
Data File : BG064494.D
Acq On : 3 Oct 2025 19:40
Operator : RC/JU
Sample : Q3274-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

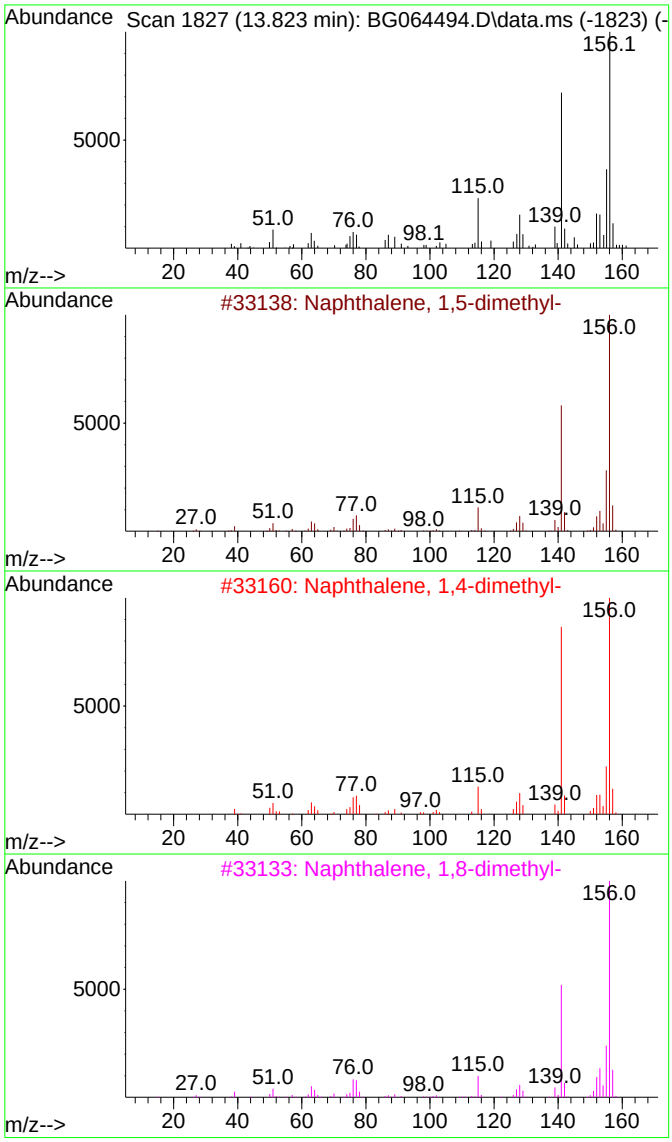
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

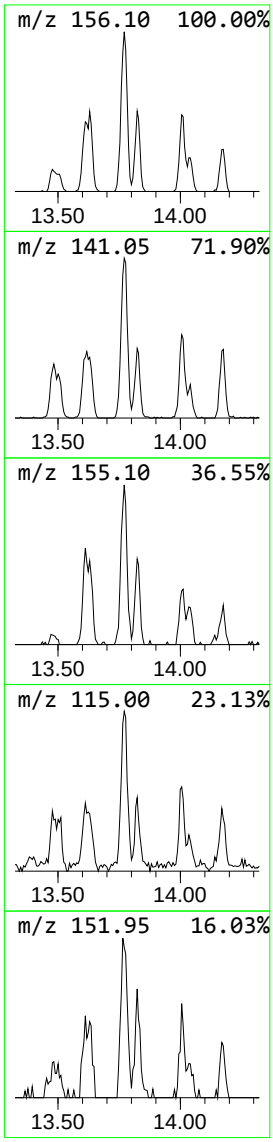
****

Peak Number 17 Naphthalene, 1,5-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.823	10.58 ng	129135	Acenaphthene-d10	14.446

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	95
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	94
3	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	94
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	93
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100325\
Data File : BG064494.D
Acq On : 3 Oct 2025 19:40
Operator : RC/JU
Sample : Q3274-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

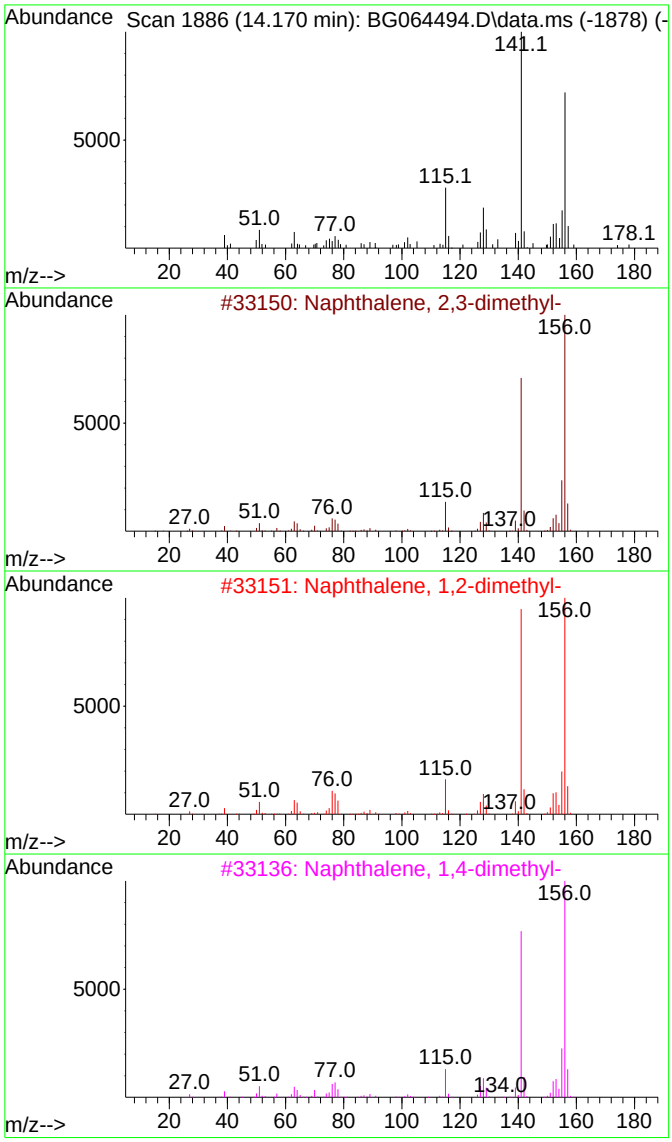
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

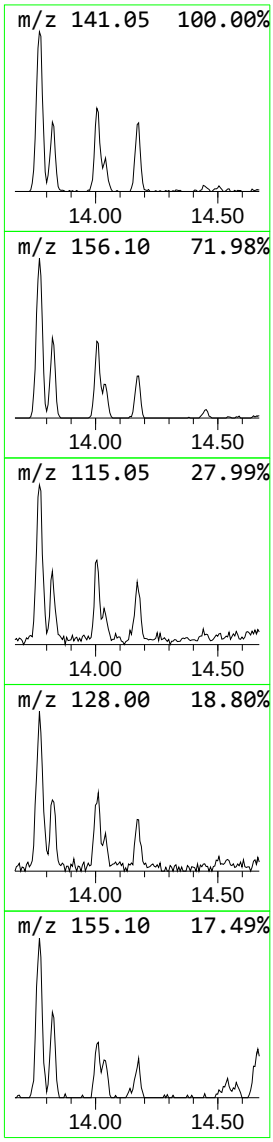
****

Peak Number 19 Naphthalene, 2,3-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.170	8.08 ng	98607	Acenaphthene-d10	14.446

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	91
2	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	90
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	90
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	90
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	87





```
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100325\
Data File : BG064494.D
Acq On    :  3 Oct 2025  19:40
Operator  : RC/JU
Sample    : Q3274-01
Misc      :
ALS Vial  : 11   Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

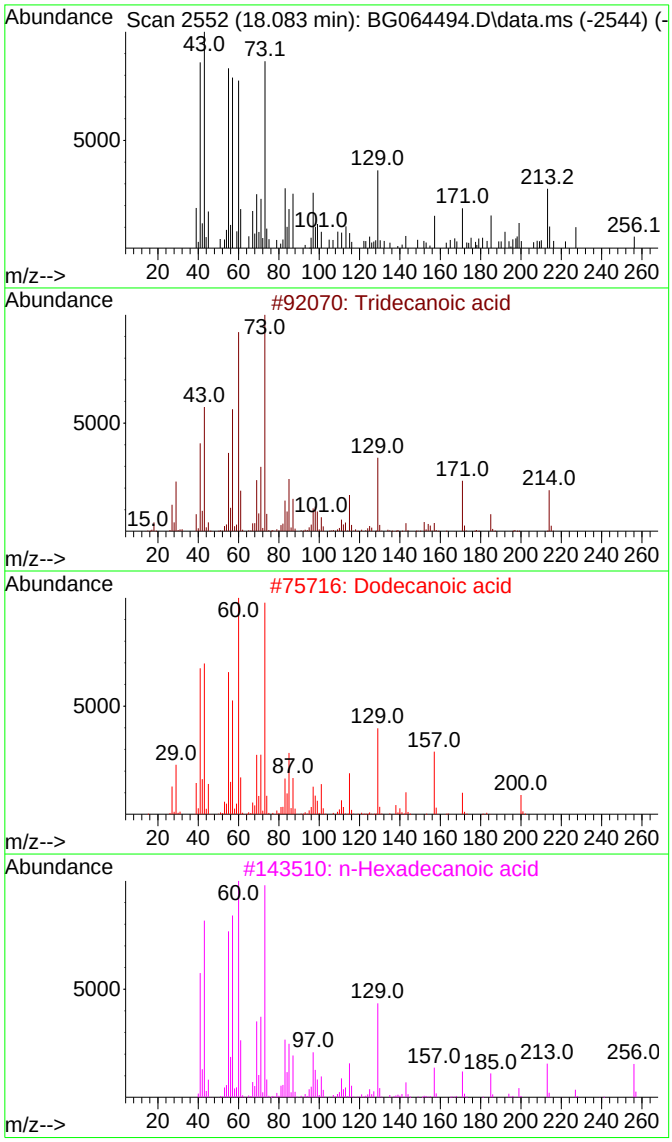
Instrument :
BNA_G
ClientSampleId :
MW4

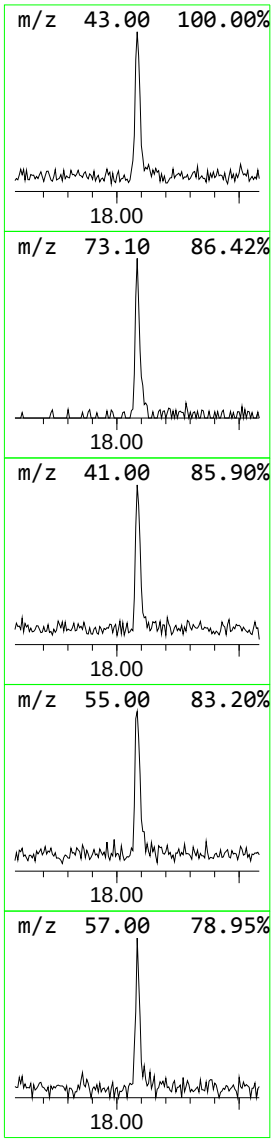
****

Peak Number 20 Tridecanoic acid Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.083	7.81 ng	130959	Phenanthrene-d10	17.190

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecanoic acid	214	C13H26O2	000638-53-9	93
2	Dodecanoic acid	200	C12H24O2	000143-07-7	58
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	58
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	52
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	52





Sample Results: **BG064494.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100325\
Data File : BG064494.D
Acq On : 3 Oct 2025 19:40
Operator : RC/JU
Sample : Q3274-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Indane	8.194	43.0	ng	215058	1	7.824	99946	20.0
Benzene, 1,2-di...	8.318	38.9	ng	194121	1	7.824	99946	20.0
Benzene, 2-ethy...	8.929	127.3	ng	636165	1	7.824	99946	20.0
Benzene, 1,2,4,...	9.446	18.9	ng	326538	2	10.609	344557	20.0
(E)-1-Phenyl-1-...	9.863	16.5	ng	283678	2	10.609	344557	20.0
1-Phenyl-1-butene	10.016	33.2	ng	571299	2	10.609	344557	20.0
Naphthalene, 1,...	13.612	10.0	ng	122227	3	14.446	244090	20.0
Naphthalene, 1,...	13.770	23.9	ng	291364	3	14.446	244090	20.0
Naphthalene, 1,...	13.823	10.6	ng	129135	3	14.446	244090	20.0
Naphthalene, 2,...	14.170	8.1	ng	98607	3	14.446	244090	20.0
Tridecanoic acid	18.083	7.8	ng	130959	4	17.190	335383	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100325\
Data File : BG064488.D
Acq On : 3 Oct 2025 15:35
Operator : RC/JU
Sample : PB169973BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB169973BL

Quant Time: Oct 03 16:20:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

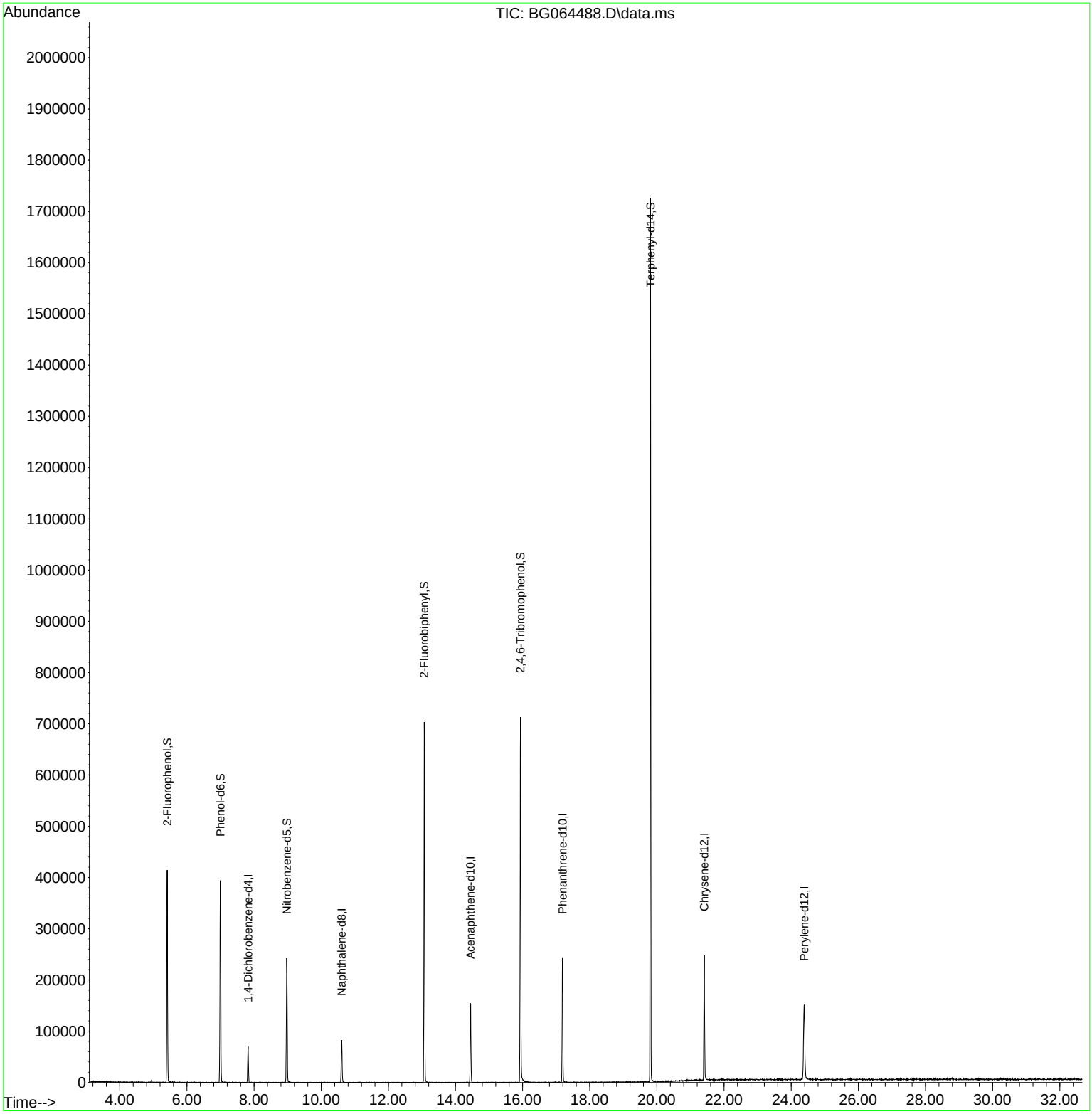
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.824	152	16965	20.000	ng	0.00
21) Naphthalene-d8	10.609	136	71465	20.000	ng	# 0.00
39) Acenaphthene-d10	14.446	164	57081	20.000	ng	0.00
64) Phenanthrene-d10	17.189	188	145353	20.000	ng	# 0.00
76) Chrysene-d12	21.408	240	149348	20.000	ng	0.00
86) Perylene-d12	24.387	264	157878	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.415	112	148699	162.213	ng	0.00
7) Phenol-d6	7.001	99	185155	150.303	ng	0.02
23) Nitrobenzene-d5	8.976	82	124977	94.032	ng	0.00
42) 2,4,6-Tribromophenol	15.938	330	142586	137.808	ng	0.00
45) 2-Fluorobiphenyl	13.071	172	351343	90.727	ng	0.00
79) Terphenyl-d14	19.810	244	779476	98.773	ng	0.00
Target Compounds						Qvalue

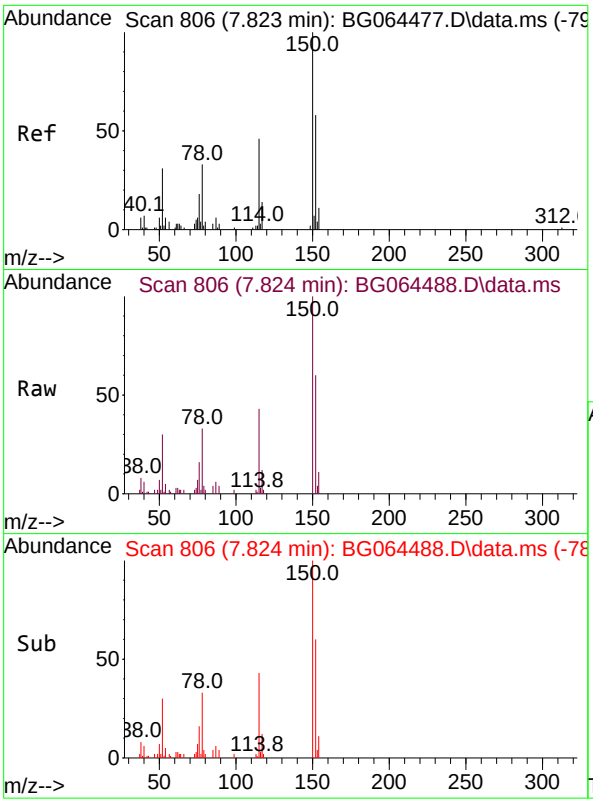
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100325\
Data File : BG064488.D
Acq On : 3 Oct 2025 15:35
Operator : RC/JU
Sample : PB169973BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB169973BL

Quant Time: Oct 03 16:20:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration



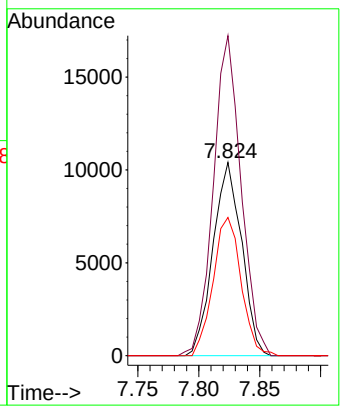


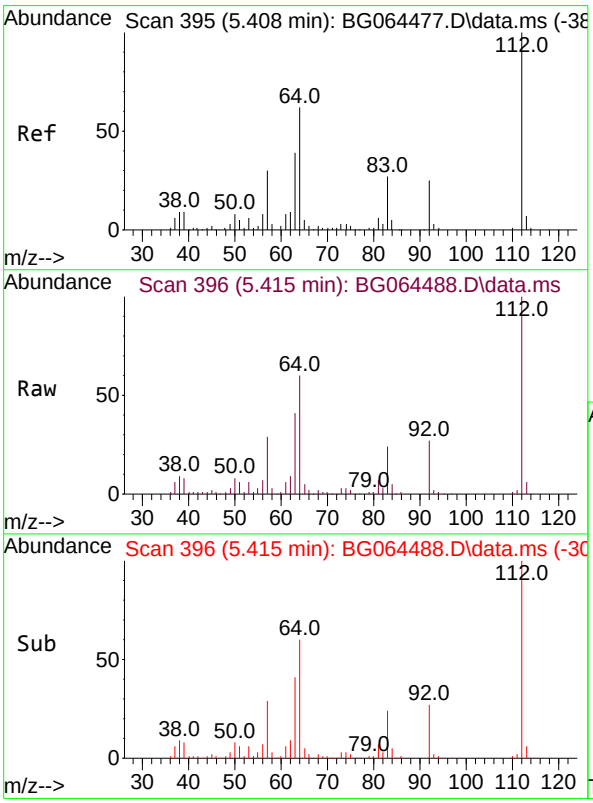
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.824 min Scan# 80
Delta R.T. 0.004 min
Lab File: BG064488.D
Acq: 3 Oct 2025 15:35

Instrument :
BNA_G
ClientSampleId :
PB169973BL

Tgt Ion:152 Resp: 16965

Ion	Ratio	Lower	Upper
152	100		
150	165.7	138.6	207.8
115	71.5	63.4	95.2

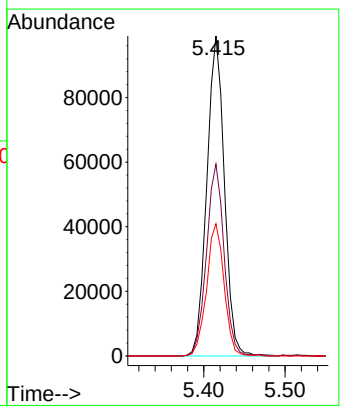


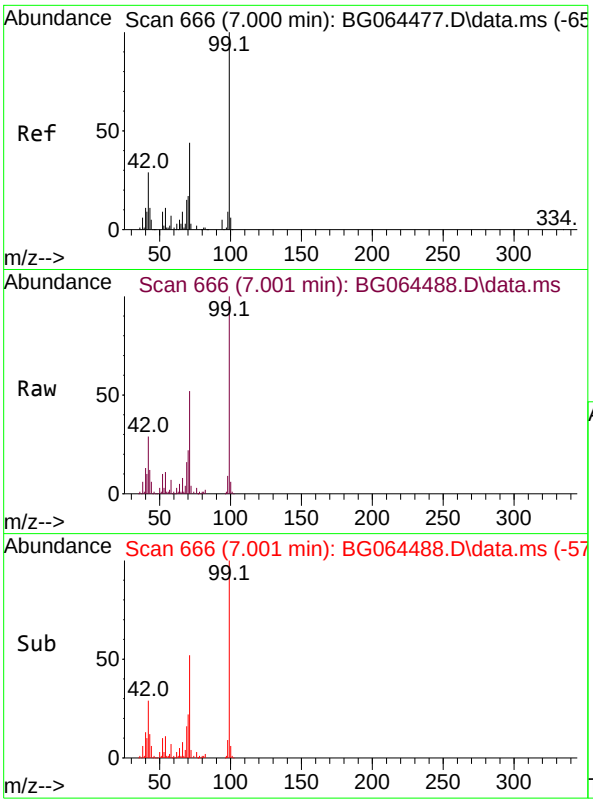


#5
2-Fluorophenol
Concen: 162.213 ng
RT: 5.415 min Scan# 396
Delta R.T. 0.009 min
Lab File: BG064488.D
Acq: 3 Oct 2025 15:35

Tgt Ion:112 Resp: 148699

Ion	Ratio	Lower	Upper
112	100		
64	59.9	49.8	74.8
63	41.3	31.3	46.9



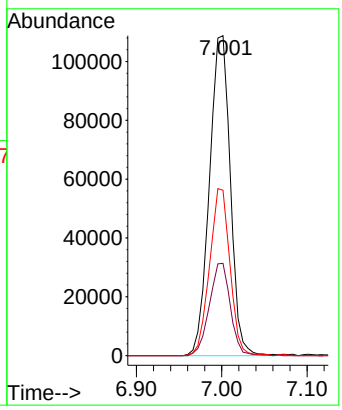


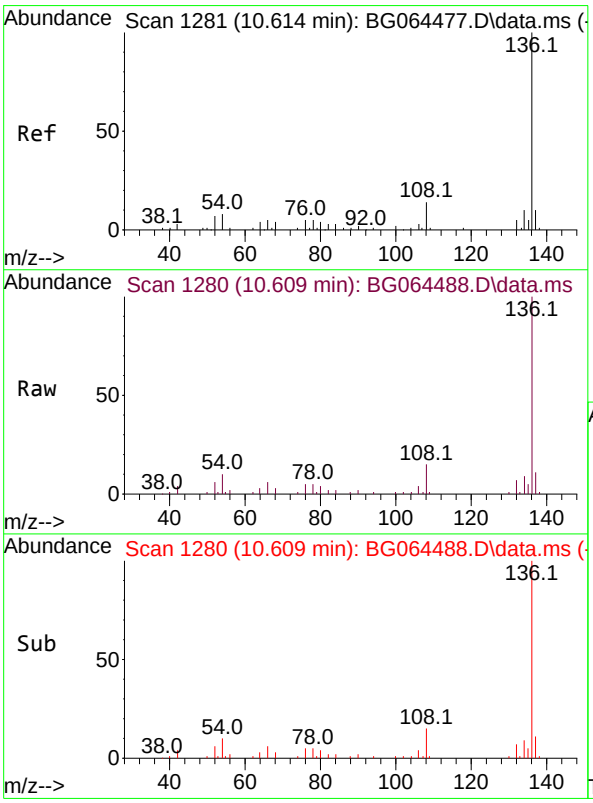
#7
Phenol-d6
Concen: 150.303 ng
RT: 7.001 min Scan# 6
Delta R.T. 0.015 min
Lab File: BG064488.D
Acq: 3 Oct 2025 15:35

Instrument :
BNA_G
ClientSampleId :
PB169973BL

Tgt Ion: 99 Resp: 185155

Ion	Ratio	Lower	Upper
99	100		
42	28.8	22.9	34.3
71	51.7	35.4	53.2

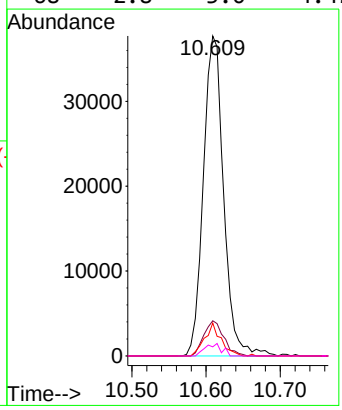


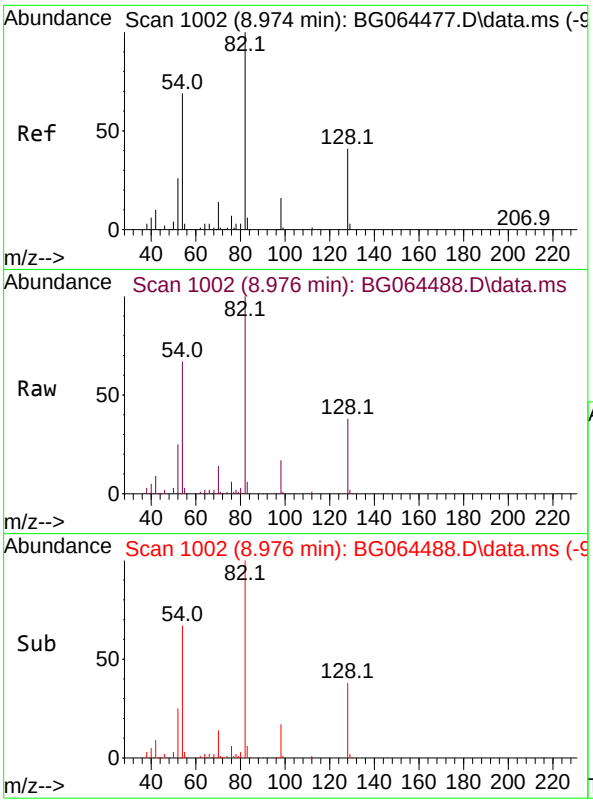


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.609 min Scan# 1280
Delta R.T. 0.003 min
Lab File: BG064488.D
Acq: 3 Oct 2025 15:35

Tgt Ion:136 Resp: 71465

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.3	12.5
54	10.3	6.2	9.4#
68	2.8	3.0	4.4#



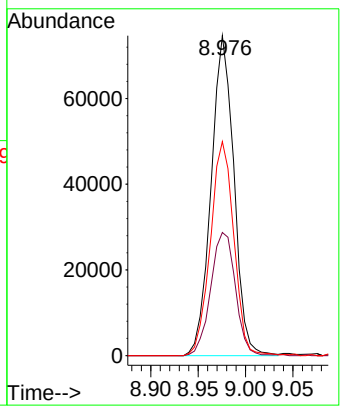


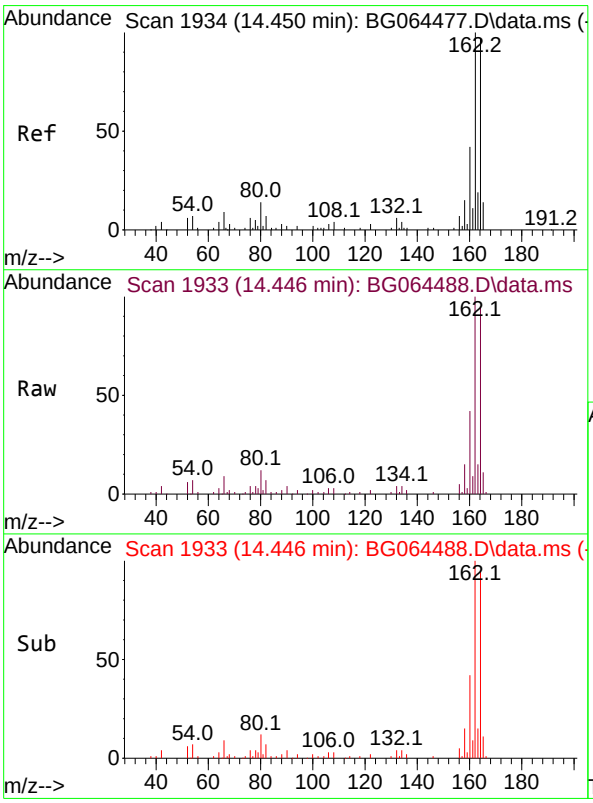
#23
Nitrobenzene-d5
Concen: 94.032 ng
RT: 8.976 min Scan# 10
Delta R.T. 0.009 min
Lab File: BG064488.D
Acq: 3 Oct 2025 15:35

Instrument :
BNA_G
ClientSampleId :
PB169973BL

Tgt Ion: 82 Resp: 124977

Ion	Ratio	Lower	Upper
82	100		
128	38.5	33.1	49.7
54	66.9	55.4	83.2

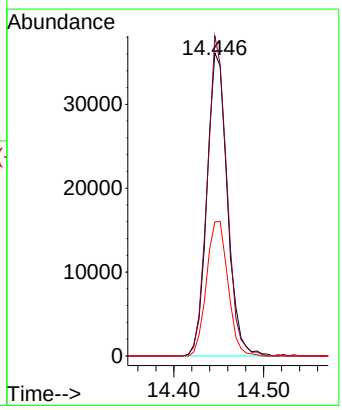


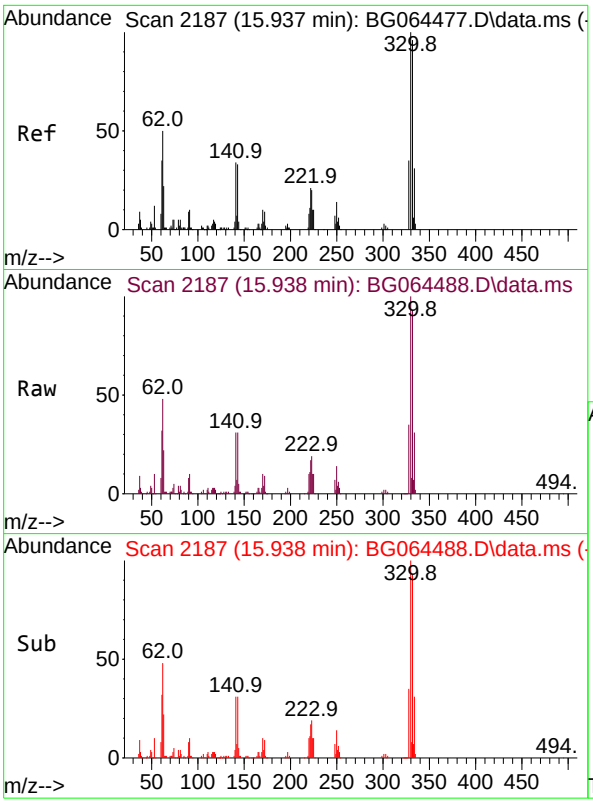


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.446 min Scan# 1933
Delta R.T. -0.002 min
Lab File: BG064488.D
Acq: 3 Oct 2025 15:35

Tgt Ion:164 Resp: 57081

Ion	Ratio	Lower	Upper
164	100		
162	105.6	82.2	123.2
160	44.2	34.3	51.5



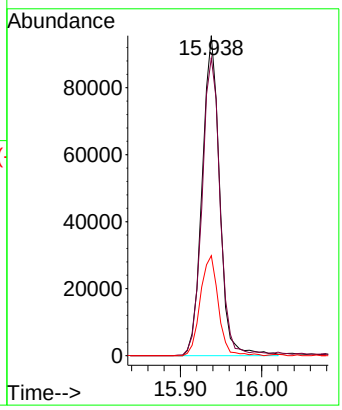


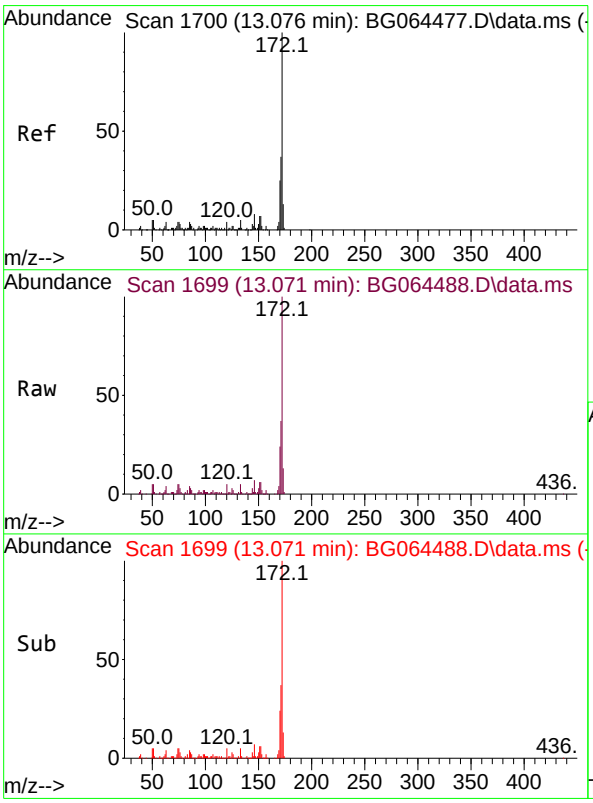
#42
2,4,6-Tribromophenol
Concen: 137.808 ng
RT: 15.938 min Scan# 21
Delta R.T. 0.003 min
Lab File: BG064488.D
Acq: 3 Oct 2025 15:35

Instrument :
BNA_G
ClientSampleId :
PB169973BL

Tgt Ion:330 Resp: 142586

Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.4	116.0
141	32.0	25.8	38.6

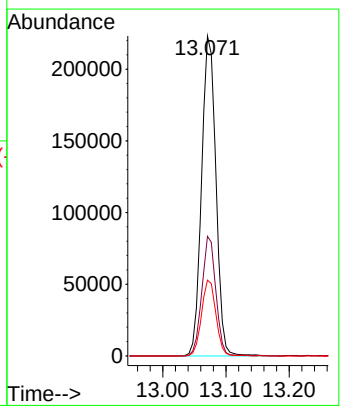


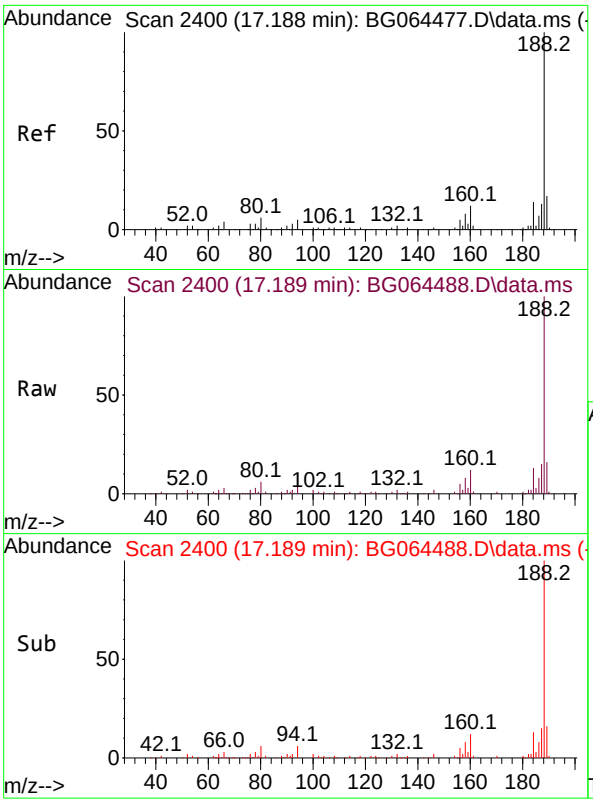


#45
2-Fluorobiphenyl
Concen: 90.727 ng
RT: 13.071 min Scan# 1699
Delta R.T. 0.003 min
Lab File: BG064488.D
Acq: 3 Oct 2025 15:35

Tgt Ion:172 Resp: 351343

Ion	Ratio	Lower	Upper
172	100		
171	37.4	29.6	44.4
170	23.7	20.2	30.2



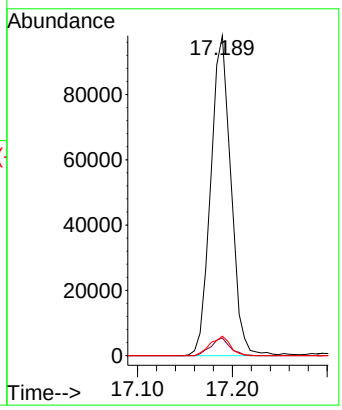


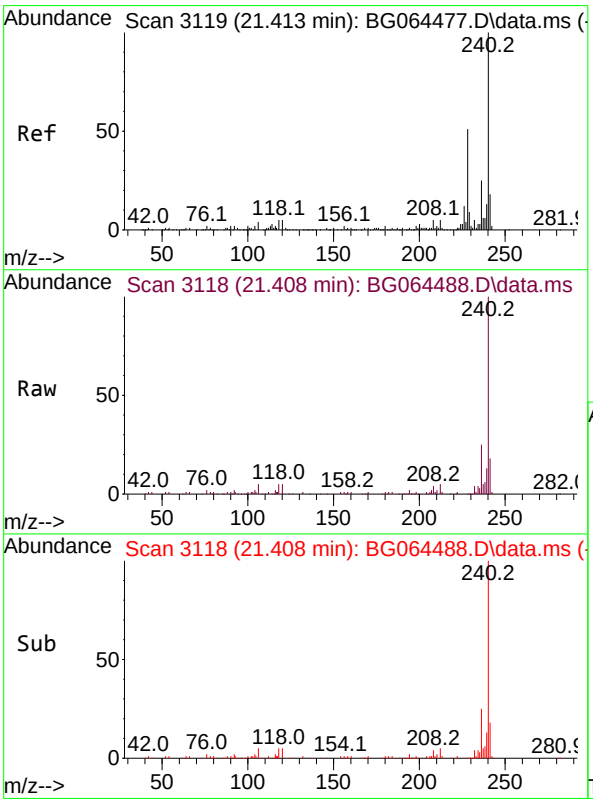
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.189 min Scan# 24
Delta R.T. 0.003 min
Lab File: BG064488.D
Acq: 3 Oct 2025 15:35

Instrument :
BNA_G
ClientSampleId :
PB169973BL

Tgt Ion:188 Resp: 145353

Ion	Ratio	Lower	Upper
188	100		
94	5.5	3.7	5.5#
80	6.1	4.5	6.7

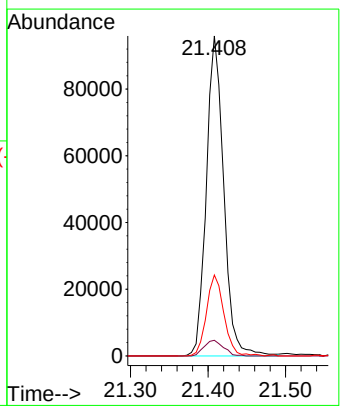


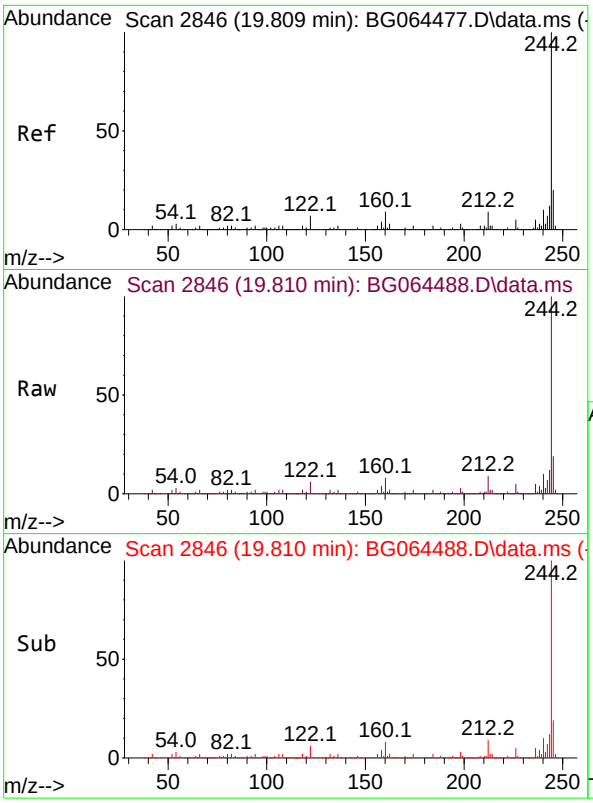


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.408 min Scan# 3118
Delta R.T. -0.002 min
Lab File: BG064488.D
Acq: 3 Oct 2025 15:35

Tgt Ion:240 Resp: 149348

Ion	Ratio	Lower	Upper
240	100		
120	4.9	4.3	6.5
236	25.3	20.4	30.6



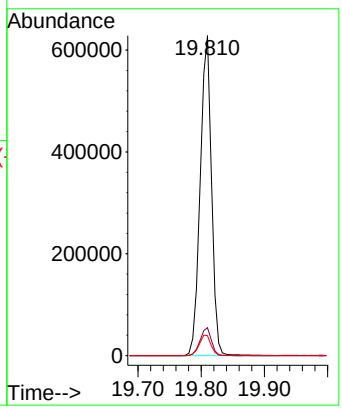


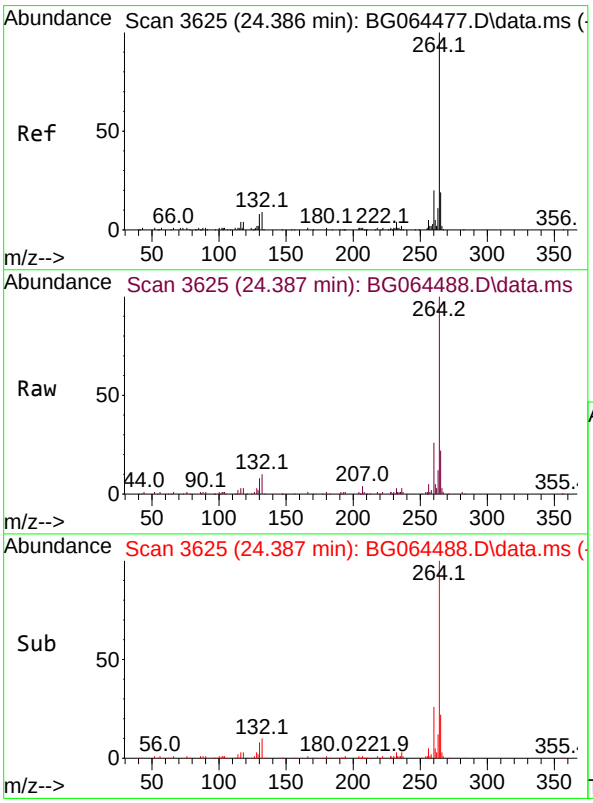
#79
Terphenyl-d14
Concen: 98.773 ng
RT: 19.810 min Scan# 2
Delta R.T. 0.003 min
Lab File: BG064488.D
Acq: 3 Oct 2025 15:35

Instrument :
BNA_G
ClientSampleId :
PB169973BL

Tgt Ion:244 Resp: 779476

Ion	Ratio	Lower	Upper
244	100		
212	8.7	7.0	10.6
122	6.2	5.6	8.4

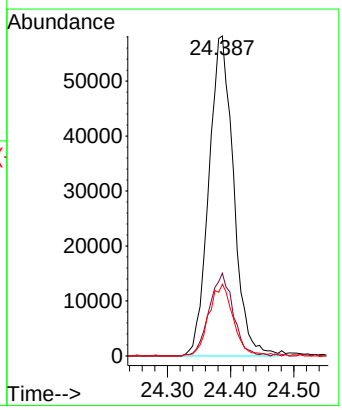




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.387 min Scan# 3625
Delta R.T. -0.002 min
Lab File: BG064488.D
Acq: 3 Oct 2025 15:35

Tgt Ion:264 Resp: 157878

Ion	Ratio	Lower	Upper
264	100		
260	25.8	16.2	24.4#
265	22.4	15.0	22.4



Sample Results: **BG064488.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100325\
Data File : BG064488.D
Acq On : 3 Oct 2025 15:35
Operator : RC/JU
Sample : PB169973BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB169973BL

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG064488.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.415	389	396	404	rBV	414112	622304	28.61%	8.093%
2	7.001	658	666	673	rBV	393647	667108	30.67%	8.676%
3	7.824	799	806	813	rBB	69950	113447	5.22%	1.475%
4	8.976	993	1002	1010	rBV	242448	422134	19.41%	5.490%
5	10.609	1273	1280	1295	rVB	82628	154573	7.11%	2.010%
6	13.071	1693	1699	1712	rBV	702849	1080017	49.65%	14.046%
7	14.446	1927	1933	1944	rBV	154134	244585	11.24%	3.181%
8	15.938	2180	2187	2201	rBV	712709	1087253	49.99%	14.140%
9	17.189	2391	2400	2407	rBV	242464	354840	16.31%	4.615%
10	19.810	2839	2846	2854	rBV	1723358	2175065	100.00%	28.287%
11	21.408	3112	3118	3127	rBV	243946	383387	17.63%	4.986%
12	24.387	3615	3625	3635	rBV2	145265	384523	17.68%	5.001%

Sum of corrected areas: 7689236

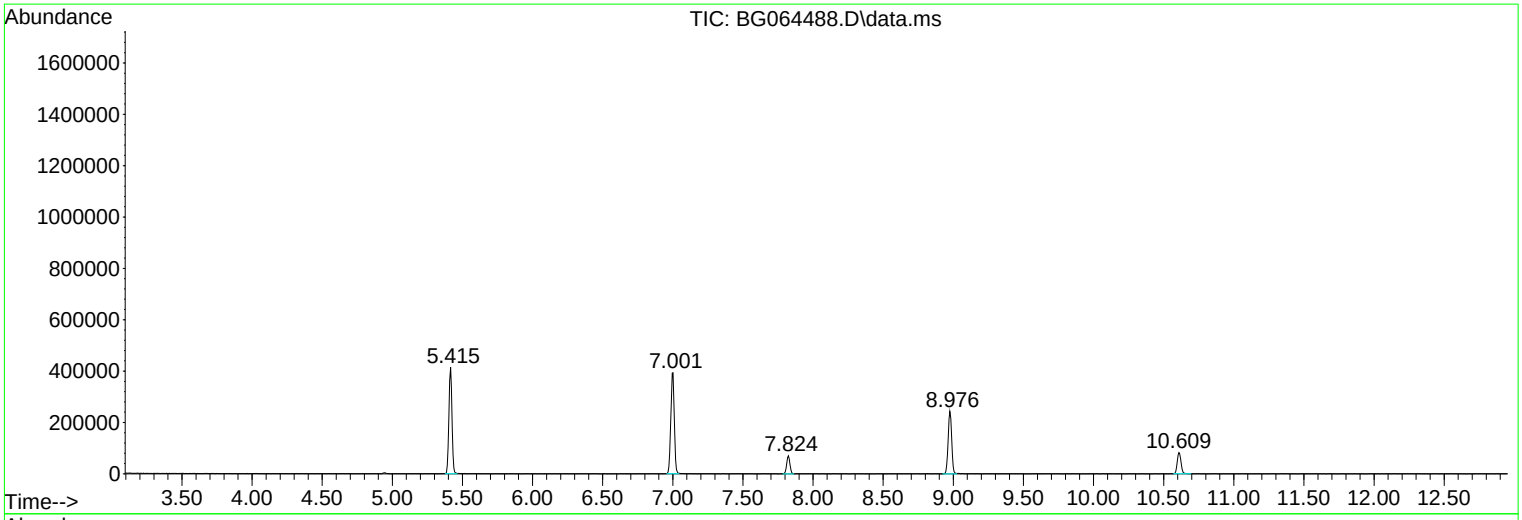
Sample Results: **BG064488.D**

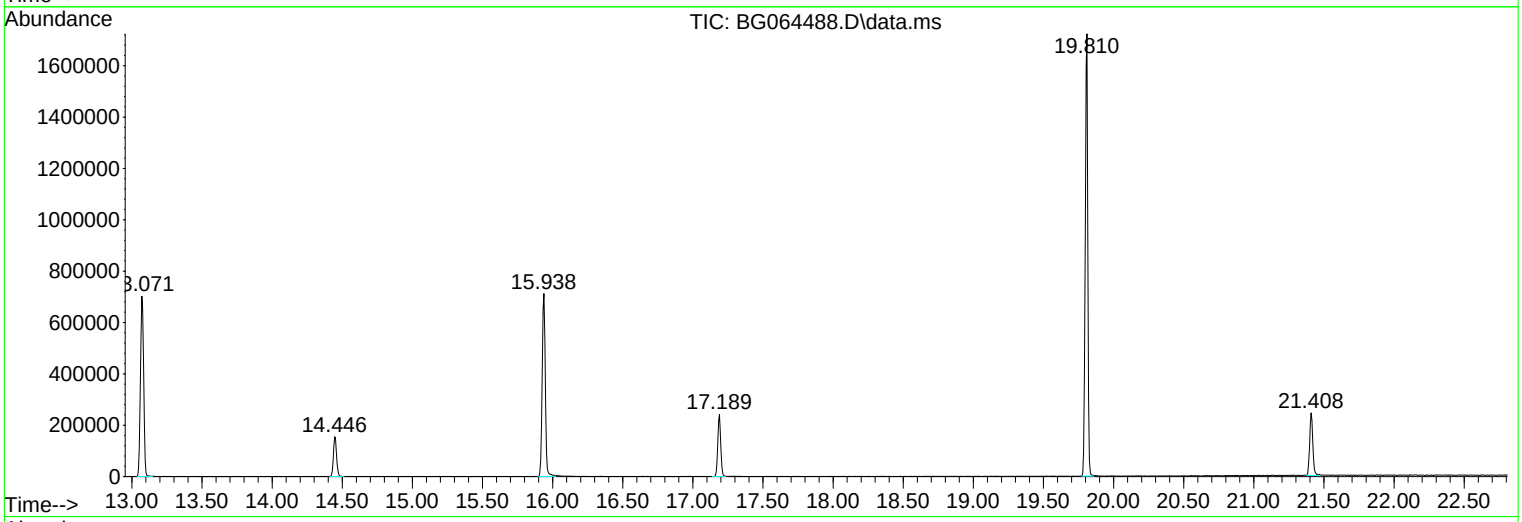
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100325\
Data File : BG064488.D
Acq On : 3 Oct 2025 15:35
Operator : RC/JU
Sample : PB169973BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

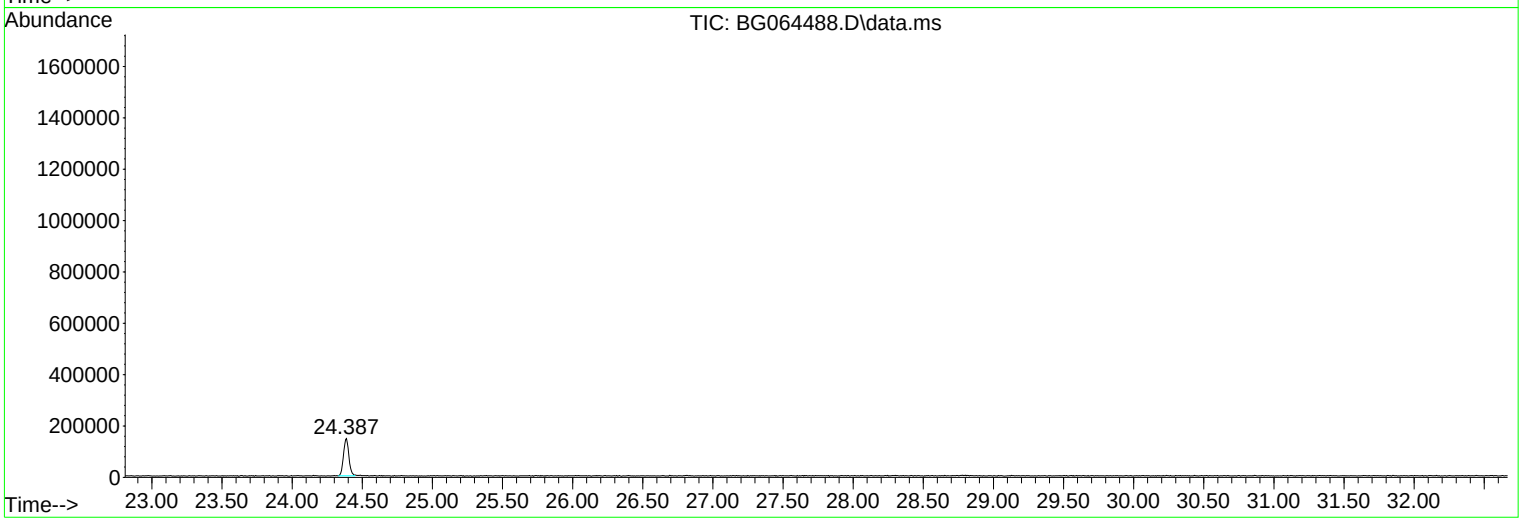
Instrument :
BNA_G
ClientSampleId :
PB169973BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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







Library Search Compound Report

Sample Results: **BG064488.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100325\
Data File : BG064488.D
Acq On : 3 Oct 2025 15:35
Operator : RC/JU
Sample : PB169973BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB169973BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

No Library Search Compounds Detected
****

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100325\
Data File : BG064488.D
Acq On : 3 Oct 2025 15:35
Operator : RC/JU
Sample : PB169973BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB169973BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					--Internal Standard---		
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100325\
Data File : BG064489.D
Acq On : 3 Oct 2025 16:16
Operator : RC/JU
Sample : PB169973BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 03 17:29:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
PB169973BS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/06/2025
Supervised By :Jagrut Upadhyay 10/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.823	152	16264	20.000	ng		# 0.00
21) Naphthalene-d8	10.608	136	69209	20.000	ng		# 0.00
39) Acenaphthene-d10	14.450	164	53762	20.000	ng		0.00
64) Phenanthrene-d10	17.188	188	136086	20.000	ng		0.00
76) Chrysene-d12	21.413	240	136322	20.000	ng		0.00
86) Perylene-d12	24.391	264	146226	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.414	112	138141	157.191	ng		0.00
7) Phenol-d6	7.000	99	180394	152.750	ng		0.01
23) Nitrobenzene-d5	8.980	82	121407	94.324	ng		0.01
42) 2,4,6-Tribromophenol	15.943	330	145062	148.856	ng		0.00
45) 2-Fluorobiphenyl	13.075	172	334812	91.796	ng		0.00
79) Terphenyl-d14	19.809	244	701104	97.331	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.316	88	13173	37.896	ng		93
3) Pyridine	3.710	79	35965	38.498	ng		96
4) n-Nitrosodimethylamine	3.628	42	35975	53.120	ng	#	94
6) Aniline	7.153	93	54677	36.704	ng		95
8) 2-Chlorophenol	7.394	128	55732	51.645	ng		95
9) Benzaldehyde	6.959	77	27733	26.454	ng		97
10) Phenol	7.024	94	66374	53.277	ng		94
11) bis(2-Chloroethyl)ether	7.247	93	41708	49.435	ng		93
12) 1,3-Dichlorobenzene	7.711	146	59993	50.820	ng		93
13) 1,4-Dichlorobenzene	7.858	146	60392	50.973	ng		94
14) 1,2-Dichlorobenzene	8.175	146	60785	52.056	ng		99
15) Benzyl Alcohol	8.064	79	58102	53.422	ng		93
16) 2,2'-oxybis(1-Chloropr...	8.346	45	67381	49.546	ng		97
17) 2-Methylphenol	8.269	107	47294	52.425	ng		98
18) Hexachloroethane	8.904	117	23005	49.193	ng		93
19) n-Nitroso-di-n-propyla...	8.628	70	40266	50.981	ng	#	93
20) 3+4-Methylphenols	8.592	107	67040	53.253	ng		93
22) Acetophenone	8.645	105	95591	57.044	ng	#	98
24) Nitrobenzene	9.021	77	65082	50.705	ng		99
25) Isophorone	9.544	82	112788	48.371	ng		99
26) 2-Nitrophenol	9.726	139	31396	49.147	ng		93
27) 2,4-Dimethylphenol	9.791	122	56577	57.985	ng		89
28) bis(2-Chloroethoxy)met...	10.026	93	59992	50.474	ng		95
29) 2,4-Dichlorophenol	10.261	162	63008	55.844	ng		91
30) 1,2,4-Trichlorobenzene	10.478	180	65847	53.523	ng	#	94
31) Naphthalene	10.661	128	180768	50.722	ng		98
32) Benzoic acid	9.967	122	46416m	61.961	ng		
33) 4-Chloroaniline	10.772	127	25770	18.843	ng	#	91
34) Hexachlorobutadiene	10.954	225	51772	49.138	ng		97
35) Caprolactam	11.542	113	20070m	51.960	ng		
36) 4-Chloro-3-methylphenol	11.900	107	73890	53.851	ng		100
37) 2-Methylnaphthalene	12.270	142	126325	46.176	ng		98
38) 1-Methylnaphthalene	12.494	142	131440	48.184	ng		95
40) 1,2,4,5-Tetrachloroben...	12.641	216	94170	54.249	ng	#	96
41) Hexachlorocyclopentadiene	12.623	237	132704	146.146	ng		94
43) 2,4,6-Trichlorophenol	12.881	196	59397	53.526	ng		96

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100325\
Data File : BG064489.D
Acq On : 3 Oct 2025 16:16
Operator : RC/JU
Sample : PB169973BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 03 17:29:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
PB169973BS

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/06/2025
Supervised By :Jagrut Upadhyay 10/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.952	196	67385	54.393	ng		96
46) 1,1'-Biphenyl	13.287	154	218091	56.402	ng		98
47) 2-Chloronaphthalene	13.322	162	144673	50.112	ng		98
48) 2-Nitroaniline	13.528	65	52229	53.007	ng		91
49) Acenaphthylene	14.174	152	248338	57.947	ng		99
50) Dimethylphthalate	13.910	163	219320	52.087	ng		98
51) 2,6-Dinitrotoluene	14.027	165	46526	53.043	ng		93
52) Acenaphthene	14.515	154	148370	49.831	ng		98
53) 3-Nitroaniline	14.356	138	24285	30.021	ng	#	90
54) 2,4-Dinitrophenol	14.568	184	60734	95.491	ng	#	84
55) Dibenzofuran	14.850	168	252708	51.403	ng		99
56) 4-Nitrophenol	14.679	139	70603	110.857	ng		86
57) 2,4-Dinitrotoluene	14.814	165	70046	52.240	ng	#	91
58) Fluorene	15.496	166	212852	52.080	ng		98
59) 2,3,4,6-Tetrachlorophenol	15.079	232	69146m	54.690	ng		
60) Diethylphthalate	15.279	149	233804	51.761	ng		99
61) 4-Chlorophenyl-phenyle...	15.496	204	112399	50.374	ng		98
62) 4-Nitroaniline	15.525	138	45131	53.529	ng		92
63) Azobenzene	15.784	77	183158	52.357	ng		98
65) 4,6-Dinitro-2-methylph...	15.578	198	48834	51.538	ng		96
66) n-Nitrosodiphenylamine	15.708	169	190210	52.341	ng		96
67) 4-Bromophenyl-phenylether	16.383	248	81751	51.049	ng		92
68) Hexachlorobenzene	16.501	284	93070	50.789	ng		98
69) Atrazine	16.659	200	88975	55.031	ng		99
70) Pentachlorophenol	16.847	266	114041	106.438	ng		98
71) Phenanthrene	17.235	178	367467	51.635	ng		99
72) Anthracene	17.323	178	378287	52.985	ng		99
73) Carbazole	17.594	167	328133	53.172	ng		98
74) Di-n-butylphthalate	18.158	149	396056	52.573	ng		99
75) Fluoranthene	19.245	202	442925	52.097	ng		98
77) Benzidine	19.427	184	112790	33.250	ng		97
78) Pyrene	19.603	202	457350	51.696	ng		98
80) Butylbenzylphthalate	20.502	149	165515	52.777	ng		97
81) Benzo(a)anthracene	21.395	228	448603	51.538	ng		98
82) 3,3'-Dichlorobenzidine	21.319	252	90148	30.600	ng		98
83) Chrysene	21.460	228	423453	51.298	ng		97
84) Bis(2-ethylhexyl)phtha...	21.319	149	233098	52.679	ng		99
85) Di-n-octyl phthalate	22.441	149	386957	52.033	ng		99
87) Indeno(1,2,3-cd)pyrene	27.746	276	548210	53.861	ng		98
88) Benzo(b)fluoranthene	23.451	252	450951	54.209	ng		98
89) Benzo(k)fluoranthene	23.516	252	433743	51.769	ng		97
90) Benzo(a)pyrene	24.256	252	420603	54.860	ng		99
91) Dibenzo(a,h)anthracene	27.799	278	449110	55.175	ng		97
92) Benzo(g,h,i)perylene	28.792	276	433026	54.744	ng		97

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

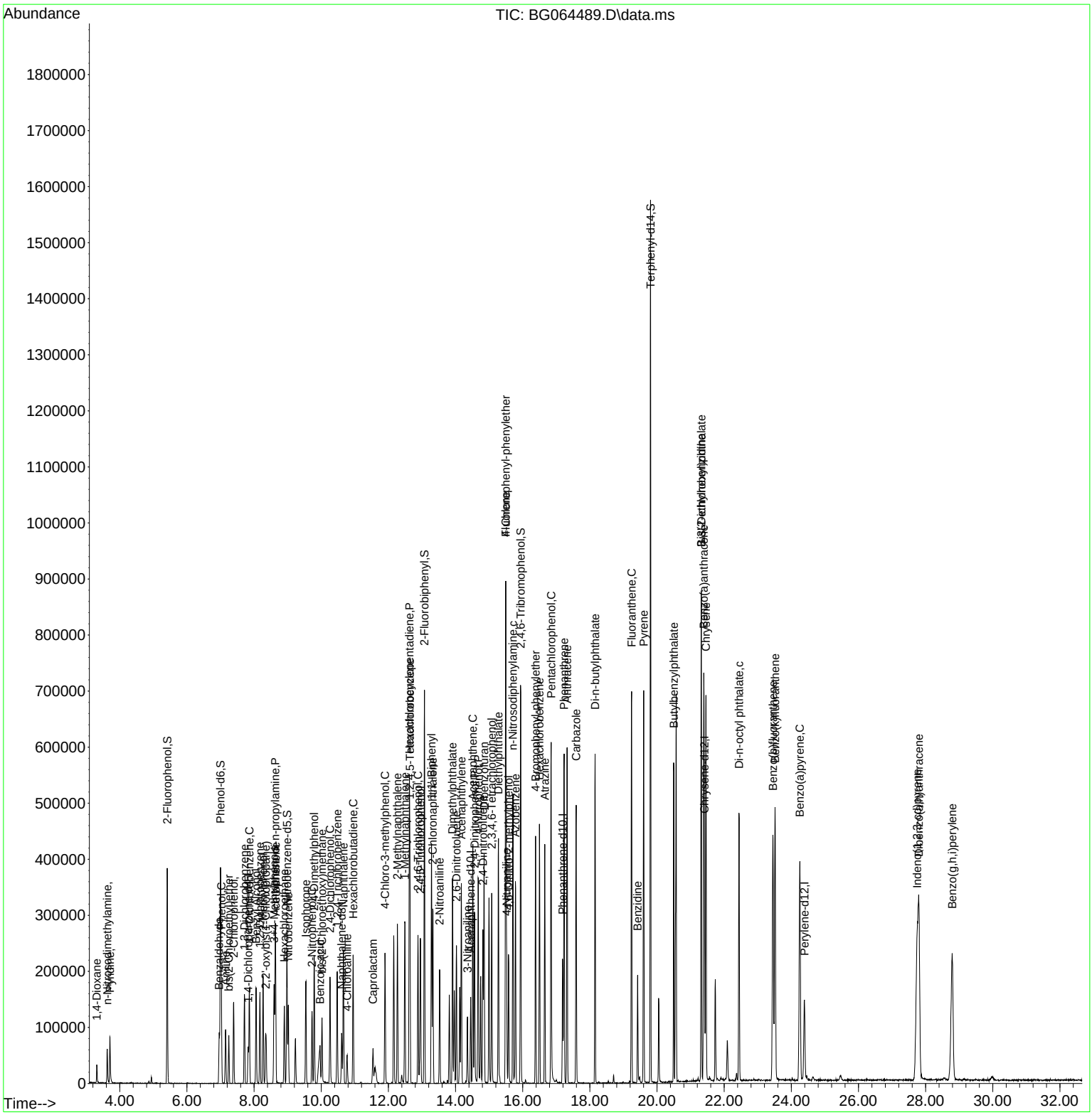
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100325\
Data File : BG064489.D
Acq On : 3 Oct 2025 16:16
Operator : RC/JU
Sample : PB169973BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 03 17:29:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
PB169973BS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/06/2025
Supervised By :Jagrut Upadhyay 10/06/2025



Sample Results: **BG064490.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100325\
Data File : BG064490.D
Acq On : 3 Oct 2025 16:57
Operator : RC/JU
Sample : PB169973BSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 03 17:39:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
PB169973BSD

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/06/2025
Supervised By :Jagrut Upadhyay 10/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.825	152	15312	20.000	ng		0.00
21) Naphthalene-d8	10.610	136	68886	20.000	ng	#	0.00
39) Acenaphthene-d10	14.453	164	53563	20.000	ng		0.00
64) Phenanthrene-d10	17.191	188	138632	20.000	ng	#	0.00
76) Chrysene-d12	21.415	240	141515	20.000	ng		0.00
86) Perylene-d12	24.388	264	151583	20.000	ng	#	0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.416	112	134466	162.522	ng		0.01
7) Phenol-d6	7.003	99	172569	155.209	ng		0.02
23) Nitrobenzene-d5	8.977	82	117218	91.496	ng		0.01
42) 2,4,6-Tribromophenol	15.939	330	140210	144.412	ng		0.00
45) 2-Fluorobiphenyl	13.072	172	328094	90.288	ng		0.00
79) Terphenyl-d14	19.805	244	721842	96.533	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.319	88	13298	40.634	ng	#	92
3) Pyridine	3.706	79	34946	39.733	ng		94
4) n-Nitrosodimethylamine	3.624	42	31964	50.132	ng		87
6) Aniline	7.149	93	48523	34.598	ng		97
8) 2-Chlorophenol	7.390	128	56075	55.194	ng		98
9) Benzaldehyde	6.961	77	25788	26.128	ng		91
10) Phenol	7.026	94	64826	55.269	ng		98
11) bis(2-Chloroethyl)ether	7.249	93	39465	49.685	ng		95
12) 1,3-Dichlorobenzene	7.713	146	55884	50.283	ng		98
13) 1,4-Dichlorobenzene	7.860	146	59496	53.339	ng		91
14) 1,2-Dichlorobenzene	8.172	146	55839	50.794	ng		96
15) Benzyl Alcohol	8.060	79	55796	54.492	ng		90
16) 2,2'-oxybis(1-Chloropr...	8.348	45	61797	48.266	ng		98
17) 2-Methylphenol	8.272	107	46672	54.952	ng		98
18) Hexachloroethane	8.900	117	21715	49.321	ng		92
19) n-Nitroso-di-n-propyla...	8.624	70	38963	52.398	ng		97
20) 3+4-Methylphenols	8.595	107	65493	55.259	ng		93
22) Acetophenone	8.642	105	91544	54.885	ng	#	96
24) Nitrobenzene	9.018	77	60821	47.607	ng		96
25) Isophorone	9.541	82	110698	47.697	ng		98
26) 2-Nitrophenol	9.729	139	30795	48.432	ng		97
27) 2,4-Dimethylphenol	9.793	122	55310	56.953	ng		95
28) bis(2-Chloroethoxy)met...	10.023	93	58363	49.333	ng		97
29) 2,4-Dichlorophenol	10.263	162	59120	52.643	ng		96
30) 1,2,4-Trichlorobenzene	10.475	180	61294	50.056	ng		98
31) Naphthalene	10.663	128	171886	48.456	ng		99
32) Benzoic acid	9.958	122	44961m	60.300	ng		
33) 4-Chloroaniline	10.769	127	20695	15.203	ng	#	97
34) Hexachlorobutadiene	10.951	225	49245	46.959	ng		99
35) Caprolactam	11.538	113	19269m	50.120	ng		
36) 4-Chloro-3-methylphenol	11.903	107	70424	51.566	ng		97
37) 2-Methylnaphthalene	12.273	142	121185	44.505	ng		98
38) 1-Methylnaphthalene	12.490	142	126687	46.659	ng		100
40) 1,2,4,5-Tetrachloroben...	12.643	216	92935	53.737	ng		98
41) Hexachlorocyclopentadiene	12.625	237	123269	136.260	ng		94
43) 2,4,6-Trichlorophenol	12.884	196	57388	51.908	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100325\
Data File : BG064490.D
Acq On : 3 Oct 2025 16:57
Operator : RC/JU
Sample : PB169973BSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 03 17:39:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
PB169973BSD

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/06/2025
Supervised By :Jagrut Upadhyay 10/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.954	196	60489	49.008	ng		95
46) 1,1'-Biphenyl	13.283	154	204884	53.183	ng		99
47) 2-Chloronaphthalene	13.325	162	136452	47.440	ng		96
48) 2-Nitroaniline	13.530	65	49637	50.563	ng		96
49) Acenaphthylene	14.171	152	236815	55.463	ng		99
50) Dimethylphthalate	13.912	163	203802	48.581	ng		97
51) 2,6-Dinitrotoluene	14.024	165	43905	50.241	ng		95
52) Acenaphthene	14.517	154	140204	47.264	ng		95
53) 3-Nitroaniline	14.353	138	21048	26.116	ng		93
54) 2,4-Dinitrophenol	14.564	184	60905	96.115	ng		86
55) Dibenzofuran	14.852	168	239756	48.950	ng		99
56) 4-Nitrophenol	14.676	139	70541	111.171	ng		97
57) 2,4-Dinitrotoluene	14.817	165	71035	53.174	ng		99
58) Fluorene	15.498	166	204659	50.261	ng		98
59) 2,3,4,6-Tetrachlorophenol	15.081	232	68433	54.327	ng		98
60) Diethylphthalate	15.275	149	222549	49.452	ng	#	97
61) 4-Chlorophenyl-phenyle...	15.493	204	106708	48.001	ng		96
62) 4-Nitroaniline	15.522	138	43915	52.280	ng		89
63) Azobenzene	15.786	77	173819	49.872	ng		96
65) 4,6-Dinitro-2-methylph...	15.581	198	46256	47.921	ng		97
66) n-Nitrosodiphenylamine	15.710	169	182340	49.254	ng		93
67) 4-Bromophenyl-phenylether	16.386	248	78451	48.089	ng		90
68) Hexachlorobenzene	16.503	284	91352	48.936	ng		98
69) Atrazine	16.656	200	87001	52.822	ng		95
70) Pentachlorophenol	16.850	266	109925	100.712	ng		100
71) Phenanthrene	17.232	178	352360	48.603	ng		97
72) Anthracene	17.326	178	362889	49.895	ng		98
73) Carbazole	17.590	167	327423	52.082	ng		99
74) Di-n-butylphthalate	18.154	149	396998	51.730	ng		100
75) Fluoranthene	19.241	202	441298	50.952	ng		99
77) Benzidine	19.423	184	100027	28.405	ng		96
78) Pyrene	19.605	202	454934	49.536	ng		98
80) Butylbenzylphthalate	20.498	149	165196	50.742	ng		99
81) Benzo(a)anthracene	21.397	228	451659	49.985	ng		99
82) 3,3'-Dichlorobenzidine	21.321	252	83367	27.260	ng	#	96
83) Chrysene	21.456	228	424681	49.559	ng		96
84) Bis(2-ethylhexyl)phtha...	21.321	149	234171	50.979	ng		100
85) Di-n-octyl phthalate	22.443	149	388583	50.334	ng		99
87) Indeno(1,2,3-cd)pyrene	27.743	276	540606	51.237	ng	#	97
88) Benzo(b)fluoranthene	23.454	252	434847	50.425	ng		99
89) Benzo(k)fluoranthene	23.513	252	449174	51.716	ng		100
90) Benzo(a)pyrene	24.253	252	423237	53.252	ng		97
91) Dibenzo(a,h)anthracene	27.796	278	442427	52.434	ng		98
92) Benzo(g,h,i)perylene	28.789	276	432535	52.749	ng		98

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

Sample Results: **BG064490.D**

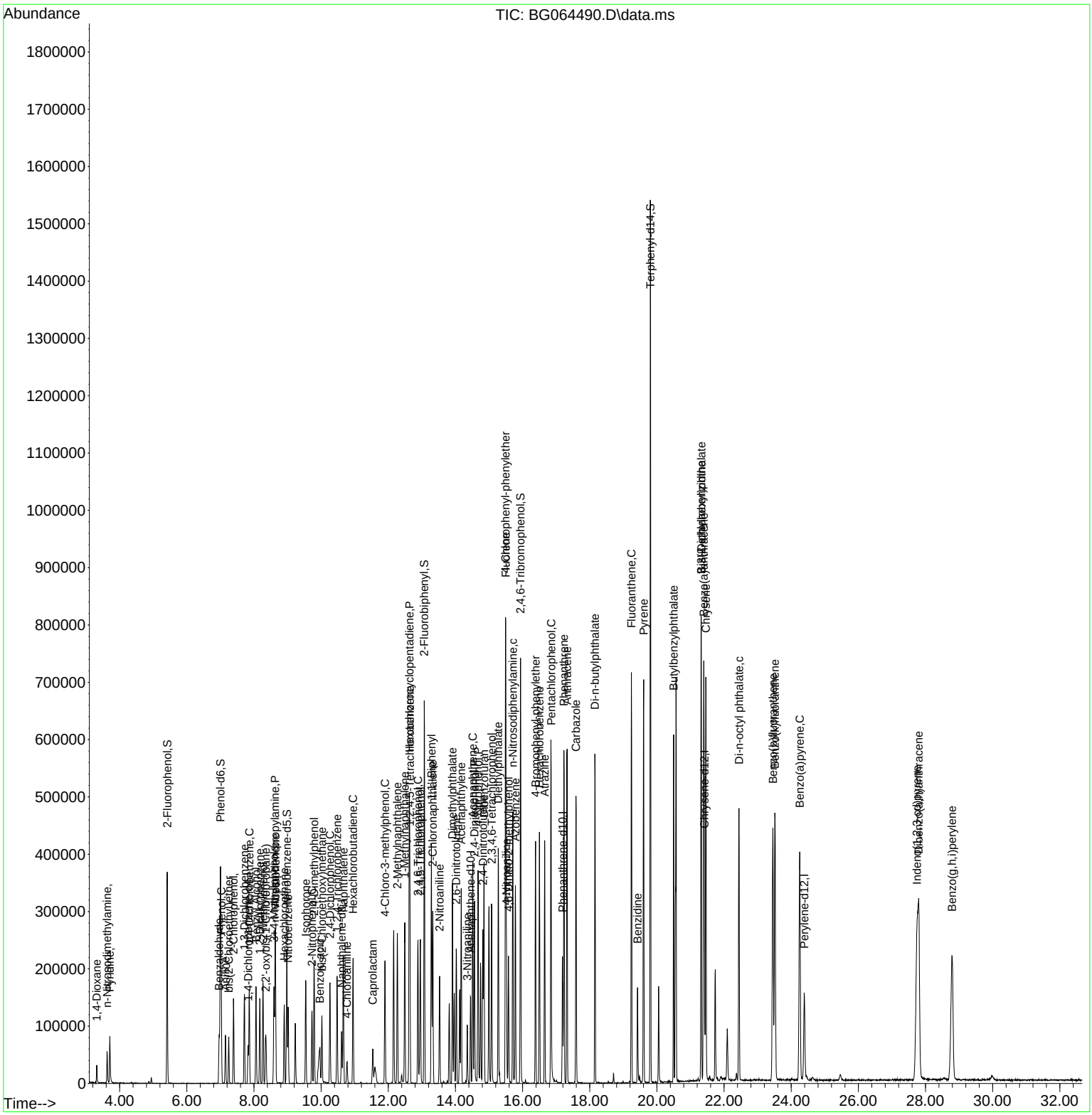
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100325\
Data File : BG064490.D
Acq On : 3 Oct 2025 16:57
Operator : RC/JU
Sample : PB169973BSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 03 17:39:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
PB169973BSD

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/06/2025
Supervised By :Jagrut Upadhyay 10/06/2025



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

Manual Integration Report

Sequence:	BG100225	Instrument	BNA_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BG064474.D	Anthracene	Rahul	10/3/2025 8:37:57 AM	Jagrut	10/3/2025 3:25:00 PM	Peak Integrated by Software
SSTDICC005	BG064474.D	Benzo(b)fluoranthene	Rahul	10/3/2025 8:37:57 AM	Jagrut	10/3/2025 3:25:00 PM	Peak Integrated by Software
SSTDICC020	BG064476.D	1-Methylnaphthalene	Rahul	10/3/2025 8:38:04 AM	Jagrut	10/3/2025 3:25:05 PM	Peak Integrated by Software
SSTDICC020	BG064476.D	Benzaldehyde	Rahul	10/3/2025 8:38:04 AM	Jagrut	10/3/2025 3:25:05 PM	Peak Integrated by Software
SSTDICC020	BG064476.D	Benzoic acid	Rahul	10/3/2025 8:38:04 AM	Jagrut	10/3/2025 3:25:05 PM	Peak Integrated by Software
SSTDICCC040	BG064477.D	Benzaldehyde	Rahul	10/3/2025 8:38:08 AM	Jagrut	10/3/2025 3:25:08 PM	Peak Integrated by Software
SSTDICCC040	BG064477.D	Benzoic acid	Rahul	10/3/2025 8:38:08 AM	Jagrut	10/3/2025 3:25:08 PM	Peak Integrated by Software
SSTDICC050	BG064478.D	Benzoic acid	Rahul	10/3/2025 8:38:10 AM	Jagrut	10/3/2025 3:25:09 PM	Peak Integrated by Software
SSTDICC060	BG064479.D	Benzoic acid	Rahul	10/3/2025 8:38:13 AM	Jagrut	10/3/2025 3:25:12 PM	Peak Integrated by Software
SSTDICC080	BG064480.D	Benzoic acid	Rahul	10/3/2025 8:38:15 AM	Jagrut	10/3/2025 3:25:14 PM	Peak Integrated by Software
SSTDICC010	BG064481.D	Benzoic acid	Rahul	10/3/2025 8:38:18 AM	Jagrut	10/3/2025 3:25:20 PM	Peak Integrated by Software
SSTDICV040	BG064482.D	Benzoic acid	Rahul	10/3/2025 8:38:21 AM	Jagrut	10/3/2025 3:25:22 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	BG100225	Instrument	BNA_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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

Manual Integration Report

Sequence:	BG100325	Instrument	BNA_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BG064485.D	1-Methylnaphthalene	Rahul	10/6/2025 4:14:13 PM	Jagrut	10/6/2025 4:23:08 PM	Peak Integrated by Software
SSTDCCC040	BG064485.D	Benzaldehyde	Rahul	10/6/2025 4:14:13 PM	Jagrut	10/6/2025 4:23:08 PM	Peak Integrated by Software
SSTDCCC040	BG064485.D	Benzoic acid	Rahul	10/6/2025 4:14:13 PM	Jagrut	10/6/2025 4:23:08 PM	Peak Integrated by Software
PB169973BS	BG064489.D	2,3,4,6-Tetrachlorophenol	Rahul	10/6/2025 4:14:18 PM	Jagrut	10/6/2025 4:23:13 PM	Peak Integrated by Software
PB169973BS	BG064489.D	Benzoic acid	Rahul	10/6/2025 4:14:18 PM	Jagrut	10/6/2025 4:23:13 PM	Peak Integrated by Software
PB169973BS	BG064489.D	Caprolactam	Rahul	10/6/2025 4:14:18 PM	Jagrut	10/6/2025 4:23:13 PM	Peak Integrated by Software
PB169973BSD	BG064490.D	Benzoic acid	Rahul	10/6/2025 4:14:20 PM	Jagrut	10/6/2025 4:23:34 PM	Peak Integrated by Software
PB169973BSD	BG064490.D	Caprolactam	Rahul	10/6/2025 4:14:20 PM	Jagrut	10/6/2025 4:23:34 PM	Peak Integrated by Software

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

Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG100225

Review By	Rahul	Review On	10/3/2025 8:38:44 AM		
Supervise By	Jagrut	Supervise On	10/3/2025 3:25:38 PM		
SubDirectory	BG100225	HP Acquire Method	BNA_G	HP Processing Method	bg100225

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13176,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BG064472.D	2 Oct 2025 8:21	RC/JU	Ok
2	SSTDICC2.5	BG064473.D	2 Oct 2025 9:01	RC/JU	Ok
3	SSTDICC005	BG064474.D	2 Oct 2025 9:42	RC/JU	Ok,M
4	SSTDICC010	BG064475.D	2 Oct 2025 10:53	RC/JU	Not Ok
5	SSTDICC020	BG064476.D	2 Oct 2025 11:33	RC/JU	Ok,M
6	SSTDICCC040	BG064477.D	2 Oct 2025 12:14	RC/JU	Ok,M
7	SSTDICC050	BG064478.D	2 Oct 2025 12:55	RC/JU	Ok,M
8	SSTDICC060	BG064479.D	2 Oct 2025 13:35	RC/JU	Ok,M
9	SSTDICC080	BG064480.D	2 Oct 2025 14:16	RC/JU	Ok,M
10	SSTDICC010	BG064481.D	2 Oct 2025 15:49	RC/JU	Ok,M
11	SSTDICV040	BG064482.D	2 Oct 2025 18:09	RC/JU	Ok,M
12	PB169936BL	BG064483.D	2 Oct 2025 18:50	RC/JU	Not Ok

M : Manual Integration

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

Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG100325

Review By	Rahul	Review On	10/6/2025 4:14:36 PM				
Supervise By	Jagrut	Supervise On	10/6/2025 4:23:45 PM				
SubDirectory	BG100325	HP Acquire Method	BNA_G		HP Processing Method	bg100225	

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13177,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BG064484.D	3 Oct 2025 12:52	RC/JU	Ok
2	SSTDCCC040	BG064485.D	3 Oct 2025 13:33	RC/JU	Ok,M
3	PB169969BL	BG064486.D	3 Oct 2025 14:13	RC/JU	Ok
4	PB169969BS	BG064487.D	3 Oct 2025 14:54	RC/JU	Ok,M
5	PB169973BL	BG064488.D	3 Oct 2025 15:35	RC/JU	Ok
6	PB169973BS	BG064489.D	3 Oct 2025 16:16	RC/JU	Ok,M
7	PB169973BSD	BG064490.D	3 Oct 2025 16:57	RC/JU	Ok,M
8	Q3263-01	BG064491.D	3 Oct 2025 17:38	RC/JU	Ok
9	Q3263-02	BG064492.D	3 Oct 2025 18:19	RC/JU	Ok
10	Q3273-01	BG064493.D	3 Oct 2025 18:59	RC/JU	Ok
11	Q3274-01	BG064494.D	3 Oct 2025 19:40	RC/JU	Ok
12	Q3272-06	BG064495.D	3 Oct 2025 20:21	RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG100225

Review By	Rahul	Review On	10/3/2025 8:38:44 AM		
Supervise By	Jagrut	Supervise On	10/3/2025 3:25:38 PM		
SubDirectory	BG100225	HP Acquire Method	BNA_G	HP Processing Method	bg100225

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13176,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BG064472.D	2 Oct 2025 8:21		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BG064473.D	2 Oct 2025 9:01		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BG064474.D	2 Oct 2025 9:42		RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BG064475.D	2 Oct 2025 10:53	Not Used	RC/JU	Not Ok
5	SSTDICC020	SSTDICC020	BG064476.D	2 Oct 2025 11:33		RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BG064477.D	2 Oct 2025 12:14	Compound failed in the calibration. #77	RC/JU	Ok,M
7	SSTDICC050	SSTDICC050	BG064478.D	2 Oct 2025 12:55		RC/JU	Ok,M
8	SSTDICC060	SSTDICC060	BG064479.D	2 Oct 2025 13:35		RC/JU	Ok,M
9	SSTDICC080	SSTDICC080	BG064480.D	2 Oct 2025 14:16		RC/JU	Ok,M
10	SSTDICC010	SSTDICC010	BG064481.D	2 Oct 2025 15:49		RC/JU	Ok,M
11	SSTDICV040	ICVBG100225	BG064482.D	2 Oct 2025 18:09		RC/JU	Ok,M
12	PB169936BL	PB169936BL	BG064483.D	2 Oct 2025 18:50	Surrogate Fail	RC/JU	Not Ok

M : Manual Integration

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

Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG100325

Review By	Rahul	Review On	10/6/2025 4:14:36 PM		
Supervise By	Jagrut	Supervise On	10/6/2025 4:23:45 PM		
SubDirectory	BG100325	HP Acquire Method	BNA_G	HP Processing Method	bg100225

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13177,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BG064484.D	3 Oct 2025 12:52		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BG064485.D	3 Oct 2025 13:33		RC/JU	Ok,M
3	PB169969BL	PB169969BL	BG064486.D	3 Oct 2025 14:13		RC/JU	Ok
4	PB169969BS	PB169969BS	BG064487.D	3 Oct 2025 14:54		RC/JU	Ok,M
5	PB169973BL	PB169973BL	BG064488.D	3 Oct 2025 15:35		RC/JU	Ok
6	PB169973BS	PB169973BS	BG064489.D	3 Oct 2025 16:16		RC/JU	Ok,M
7	PB169973BSD	PB169973BSD	BG064490.D	3 Oct 2025 16:57		RC/JU	Ok,M
8	Q3263-01	251818	BG064491.D	3 Oct 2025 17:38		RC/JU	Ok
9	Q3263-02	266380	BG064492.D	3 Oct 2025 18:19		RC/JU	Ok
10	Q3273-01	MW1	BG064493.D	3 Oct 2025 18:59		RC/JU	Ok
11	Q3274-01	MW4	BG064494.D	3 Oct 2025 19:40		RC/JU	Ok
12	Q3272-06	RT5417-CONCRETE	BG064495.D	3 Oct 2025 20:21		RC/JU	Ok

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB169973

SOP ID: M3510C,3580A-Extraction SVOC-21

Clean Up SOP #: N/A

Matrix : Water

Weigh By: N/A

Balance check: N/A

Balance ID: N/A

pH Strip Lot#: E3953

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 4,6,7

Extraction Start Date : 10/03/2025

Extraction Start Time : 08:35

Extraction End Date : 10/03/2025

Extraction End Time : 13:45

Concentration By: EH

Supervisor By : ritesh

Extraction Method: [√] Seperatory Funnel [ ] Continious Liquid/Liquid [ ] Sonication [ ] Waste Dilution [ ] Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6865
Surrogate	1.0ML	100/150 PPM	SP6869
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	E3973
Baked Na2SO4	N/A	EP2646
H2SO4 1:1	N/A	EP2610
10N NaoH	N/A	EP2609
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:

pH Adjusted to < 2 with 1:1 H2SO4 & >12 with 10N NaOH, 1.5ML Vial Lot # 2210443.

KD Bath ID: WATER BATH-1,2

KD Bath Temperature: 60 °C

Envap ID: NE VAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/03/25	RJ CEH-(ce6)	RC/SVOC
13:50	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB169973

Analytical Method: M3510C,3580A-Extraction SVOC-21

Concentration Date: 10/03/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB169973BL	SBLK973	SVOC-TCL BNA -20	1000	6	ritesh	Evelyn	1			SEP-1
PB169973BS	SLCS973	SVOC-TCL BNA -20	1000	6	ritesh	Evelyn	1			2
PB169973BSD	SLCSD973	SVOC-TCL BNA -20	1000	6	ritesh	Evelyn	1			3
Q3263-01	251818	SVOC-TCL BNA -20	1000	6	ritesh	Evelyn	1	N		4
Q3263-02	266380	SVOC-TCL BNA -20	1000	6	ritesh	Evelyn	1	O		5
Q3273-01	MW1	SVOC-TCL BNA -20	1000	6	ritesh	Evelyn	1	B		6
Q3274-01	MW4	SVOCMS Group1	1000	6	ritesh	Evelyn	1	C		7

RJ

10/03

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

16495 8:35

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3273 **WorkList ID :** 192268 **Department :** Extraction **Date :** 10-03-2025 08:30:38

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3263-01	251818	Water	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	D31	10/01/2025	8270E
Q3263-02	266380	Water	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	D31	10/01/2025	8270E
Q3273-01	MW1	Water	SVOC-TCL BNA -20	Cool 4 deg C	GENV01	D31	10/01/2025	8270E
Q3274-01	MW4	Water	SVOCMS Group1	Cool 4 deg C	GENV01	D41	10/01/2025	8270E

Date/Time 10/03/25 8:30
Raw Sample Received by: RJ (CEL-lab)
Raw Sample Relinquished by: [signature]

Date/Time 10/03/25 9:00
Raw Sample Received by: [signature]
Raw Sample Relinquished by: RJ (CEL-lab)

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

LAB CHRONICLE

OrderID:	Q3274	**OrderDate:**	10/2/2025 3:37:00 PM
Client:	G Environmental	**Project:**	ANN
Contact:	Gary Landis	**Location:**	D41,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3274-01	**MW4**	**Water**			**10/01/25**			**10/02/25**
			SVOCMS Group1	8270E		10/03/25	10/03/25	