CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: O5252

Client: RMJ Environomics, Inc.

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID :	**WASTE**								
O5252-01	WASTE	SOIL	Bis(2-ethylhexyl)phthalate		0.690	J	0.63	0.94	mg/Kg
			Total Svoc :				**0.69**		
O5252-01	WASTE	SOIL	1,3-Benzenediamine, 2,4-dinitro-N	*	3,100.000	J	0	0	ug/Kg
O5252-01	WASTE	SOIL	1,4-Benzenedicarboxylic acid, bis	*	810.000	J	0	0	ug/Kg
O5252-01	WASTE	SOIL	7-Hydroxyquinoline, tert-butyldin	*	380.000	J	0	0	ug/Kg
O5252-01	WASTE	SOIL	Bifenthrin	*	21,900.000	J	0	0	ug/Kg
O5252-01	WASTE	SOIL	n-Hexadecanoic acid	*	970.000	J	0	0	ug/Kg
O5252-01	WASTE	SOIL	Nonadecanoic acid	*	500.000	J	0	0	ug/Kg
O5252-01	WASTE	SOIL	Phenol, 4,4-(1-methylethylidene)b	*	500.000	J	0	0	ug/Kg
O5252-01	WASTE	SOIL	Trifluralin	*	650.000	J	0	0	ug/Kg
			Total Tics :				**28,810.00**		
			Total Concentration:				**28,810.69**		

CHEMTECH

SAMPLE DATA

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Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	11/03/23
Project:	245 Greenwood Ave	Date Received:	11/03/23
Client Sample ID:	WASTE	SDG No.:	O5252
Lab Sample ID:	O5252-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	90.6
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM042698.D	5	11/06/23 09:48	11/10/23 19:10	PB156921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	0.82	U	0.82	1.80	mg/Kg
108-95-2	Phenol	0.41	U	0.41	0.94	mg/Kg
111-44-4	bis(2-Chloroethyl)ether	0.49	U	0.49	0.94	mg/Kg
95-57-8	2-Chlorophenol	0.40	U	0.40	0.94	mg/Kg
95-48-7	2-Methylphenol	0.63	U	0.63	0.94	mg/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	0.58	U	0.58	0.94	mg/Kg
98-86-2	Acetophenone	0.48	U	0.48	0.94	mg/Kg
65794-96-9	3+4-Methylphenols	0.60	U	0.60	1.80	mg/Kg
621-64-7	n-Nitroso-di-n-propylamine	0.33	U	0.33	0.44	mg/Kg
67-72-1	Hexachloroethane	0.41	U	0.41	0.94	mg/Kg
98-95-3	Nitrobenzene	0.41	U	0.41	0.94	mg/Kg
78-59-1	Isophorone	0.38	U	0.38	0.94	mg/Kg
88-75-5	2-Nitrophenol	0.52	U	0.52	0.94	mg/Kg
105-67-9	2,4-Dimethylphenol	0.55	U	0.55	0.94	mg/Kg
111-91-1	bis(2-Chloroethoxy)methane	0.62	U	0.62	0.94	mg/Kg
120-83-2	2,4-Dichlorophenol	0.43	U	0.43	0.94	mg/Kg
91-20-3	Naphthalene	0.45	U	0.45	0.94	mg/Kg
106-47-8	4-Chloroaniline	0.58	UQ	0.58	0.94	mg/Kg
87-68-3	Hexachlorobutadiene	0.46	U	0.46	0.94	mg/Kg
105-60-2	Caprolactam	0.64	U	0.64	1.80	mg/Kg
59-50-7	4-Chloro-3-methylphenol	0.45	U	0.45	0.94	mg/Kg
91-57-6	2-Methylnaphthalene	0.52	U	0.52	0.94	mg/Kg
77-47-4	Hexachlorocyclopentadiene	1.20	U	1.20	1.80	mg/Kg
88-06-2	2,4,6-Trichlorophenol	0.42	U	0.42	0.94	mg/Kg
95-95-4	2,4,5-Trichlorophenol	0.48	U	0.48	0.94	mg/Kg
92-52-4	1,1-Biphenyl	0.50	U	0.50	0.94	mg/Kg
91-58-7	2-Chloronaphthalene	0.47	U	0.47	0.94	mg/Kg
88-74-4	2-Nitroaniline	0.55	U	0.55	0.94	mg/Kg
131-11-3	Dimethylphthalate	0.49	U	0.49	0.94	mg/Kg
208-96-8	Acenaphthylene	0.49	U	0.49	0.94	mg/Kg
606-20-2	2,6-Dinitrotoluene	0.50	U	0.50	0.94	mg/Kg

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Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	11/03/23
Project:	245 Greenwood Ave	Date Received:	11/03/23
Client Sample ID:	WASTE	SDG No.:	O5252
Lab Sample ID:	O5252-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	90.6
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM042698.D	5	11/06/23 09:48	11/10/23 19:10	PB156921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	0.51	U	0.51	0.94	mg/Kg
83-32-9	Acenaphthene	0.44	U	0.44	0.94	mg/Kg
51-28-5	2,4-Dinitrophenol	0.99	U	0.99	1.80	mg/Kg
100-02-7	4-Nitrophenol	0.63	U	0.63	1.80	mg/Kg
132-64-9	Dibenzofuran	0.42	U	0.42	0.94	mg/Kg
121-14-2	2,4-Dinitrotoluene	0.55	U	0.55	0.94	mg/Kg
84-66-2	Diethylphthalate	0.47	U	0.47	0.94	mg/Kg
7005-72-3	4-Chlorophenyl-phenylether	0.50	U	0.50	0.94	mg/Kg
86-73-7	Fluorene	0.47	U	0.47	0.94	mg/Kg
100-01-6	4-Nitroaniline	0.57	U	0.57	0.94	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	0.48	U	0.48	1.80	mg/Kg
86-30-6	n-Nitrosodiphenylamine	0.51	U	0.51	0.94	mg/Kg
101-55-3	4-Bromophenyl-phenylether	0.54	U	0.54	0.94	mg/Kg
118-74-1	Hexachlorobenzene	0.54	U	0.54	0.94	mg/Kg
1912-24-9	Atrazine	0.53	U	0.53	0.94	mg/Kg
87-86-5	Pentachlorophenol	0.61	U	0.61	1.80	mg/Kg
85-01-8	Phenanthrene	0.51	U	0.51	0.94	mg/Kg
120-12-7	Anthracene	0.56	U	0.56	0.94	mg/Kg
86-74-8	Carbazole	0.47	U	0.47	0.94	mg/Kg
84-74-2	Di-n-butylphthalate	0.57	U	0.57	0.94	mg/Kg
206-44-0	Fluoranthene	0.52	U	0.52	0.94	mg/Kg
129-00-0	Pyrene	0.46	U	0.46	0.94	mg/Kg
85-68-7	Butylbenzylphthalate	0.57	U	0.57	0.94	mg/Kg
91-94-1	3,3-Dichlorobenzidine	0.89	U	0.89	1.80	mg/Kg
56-55-3	Benzo(a)anthracene	0.46	U	0.46	0.94	mg/Kg
218-01-9	Chrysene	0.48	U	0.48	0.94	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	0.69	J	0.63	0.94	mg/Kg
117-84-0	Di-n-octyl phthalate	0.68	U	0.68	1.80	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.44	U	0.44	0.94	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.49	U	0.49	0.94	mg/Kg
50-32-8	Benzo(a)pyrene	0.52	U	0.52	0.94	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.59	U	0.59	0.94	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.53	U	0.53	0.94	mg/Kg

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Report of Analysis

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Client Sample ID:	WASTE	SDG No.:	O5252
Lab Sample ID:	O5252-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	90.6
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM042698.D	5	11/06/23 09:48	11/10/23 19:10	PB156921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	0.51	U	0.51	0.94	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	0.49	U	0.49	0.94	mg/Kg
123-91-1	1,4-Dioxane	0.64	U	0.64	0.94	mg/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	0.46	U	0.46	0.94	mg/Kg
SURROGATES						
367-12-4	2-Fluorophenol	86.3		30 (18) - 130 (112)	58%	SPK: 150
13127-88-3	Phenol-d6	81.2		30 (15) - 130 (107)	54%	SPK: 150
4165-60-0	Nitrobenzene-d5	60.6		30 (18) - 130 (107)	61%	SPK: 100
321-60-8	2-Fluorobiphenyl	62.8		30 (20) - 130 (109)	63%	SPK: 100
118-79-6	2,4,6-Tribromophenol	92.7		30 (10) - 130 (110)	62%	SPK: 150
1718-51-0	Terphenyl-d14	63.8		30 (14) - 130 (112)	64%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	62700	7.846			
1146-65-2	Naphthalene-d8	245000	10.663			
15067-26-2	Acenaphthene-d10	160000	14.504			
1517-22-2	Phenanthrene-d10	308000	17.257			
1719-03-5	Chrysene-d12	233000	21.439			
1520-96-3	Perylene-d12	261000	23.821			
TENTATIVE IDENTIFIED COMPOUNDS						
001582-09-8	Trifluralin	650	J		15.8	ug/Kg
029091-21-2	1,3-Benzenediamine, 2,4-dinitro-N3	3100	J		18.0	ug/Kg
000057-10-3	n-Hexadecanoic acid	970	J		18.1	ug/Kg
867164-58-7	7-Hydroxyquinoline, tert-butyldime	380	J		19.3	ug/Kg
000646-30-0	Nonadecanoic acid	500	J		19.4	ug/Kg
000080-05-7	Phenol, 4,4-(1-methylethylidene)b	500	J		19.7	ug/Kg
082657-04-3	Bifenthrin	21900	J		21.1	ug/Kg
006422-86-2	1,4-Benzenedicarboxylic acid, bis(	810	J		22.3	ug/Kg

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Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM042698.D	5	11/06/23 09:48	11/10/23 19:10	PB156921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

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

CHEMTECH

A
B
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E
F
G
H
I
J
K

QC SUMMARY

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Surrogate Summary

SW-846

SDG No.: O5252

Client: RMJ Environomics, Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
O5252-01	WASTE	2-Fluorophenol	150	86.3	58		30 (18)	130 (112)
		Phenol-d6	150	81.2	54		30 (15)	130 (107)
		Nitrobenzene-d5	100	60.6	61		30 (18)	130 (107)
		2-Fluorobiphenyl	100	62.8	63		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	92.7	62		30 (10)	130 (110)
		Terphenyl-d14	100	63.8	64		30 (14)	130 (112)
O5257-05MS	WC-2MS	2-Fluorophenol	150	112	74		30 (18)	130 (112)
		Phenol-d6	150	111	74		30 (15)	130 (107)
		Nitrobenzene-d5	100	86.1	86		30 (18)	130 (107)
		2-Fluorobiphenyl	100	84.6	85		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	117	78		30 (10)	130 (110)
		Terphenyl-d14	100	69.8	70		30 (14)	130 (112)
O5257-05MSD	WC-2MSD	2-Fluorophenol	150	120	80		30 (18)	130 (112)
		Phenol-d6	150	118	79		30 (15)	130 (107)
		Nitrobenzene-d5	100	90.3	90		30 (18)	130 (107)
		2-Fluorobiphenyl	100	90.4	90		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	127	85		30 (10)	130 (110)
		Terphenyl-d14	100	75.3	75		30 (14)	130 (112)
PB156921BL	PB156921BL	2-Fluorophenol	150	126	84		30 (18)	130 (112)
		Phenol-d6	150	125	84		30 (15)	130 (107)
		Nitrobenzene-d5	100	86.6	87		30 (18)	130 (107)
		2-Fluorobiphenyl	100	85.1	85		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	131	87		30 (10)	130 (110)
		Terphenyl-d14	100	84.9	85		30 (14)	130 (112)
PB156921BS	PB156921BS	2-Fluorophenol	150	127	85		30 (18)	130 (112)
		Phenol-d6	150	124	83		30 (15)	130 (107)
		Nitrobenzene-d5	100	82.1	82		30 (18)	130 (107)
		2-Fluorobiphenyl	100	78.8	79		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	132	88		30 (10)	130 (110)
		Terphenyl-d14	100	84.2	84		30 (14)	130 (112)

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: O5252

Client: RMJ Environomics, Inc.

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: O5257-05MS		**Client Sample ID: WC-2MS**						**DataFile: BF136162.D**			
Benzaldehyde	1100	0	330	ug/Kg	30				20 (26)	160 (163)	
Phenol	1100	0	1000	ug/Kg	91				20 (67)	160 (126)	
bis(2-Chloroethyl)ether	1100	0	1000	ug/Kg	91				70 (74)	130 (116)	
2-Chlorophenol	1100	0	1100	ug/Kg	100				70 (61)	130 (138)	
2-Methylphenol	1100	0	950	ug/Kg	86				70 (66)	130 (122)	
2,2-oxybis(1-Chloropropane)	1100	0	970	ug/Kg	88				70 (52)	130 (115)	
Acetophenone	1100	0	1100	ug/Kg	100				70 (75)	130 (111)	
3+4-Methylphenols	1100	0	980	ug/Kg	89				20 (53)	160 (132)	
N-Nitroso-di-n-propylamine	1100	0	1000	ug/Kg	91				70 (59)	130 (119)	
Hexachloroethane	1100	0	1100	ug/Kg	100				20 (65)	160 (117)	
Nitrobenzene	1100	0	1100	ug/Kg	100				70 (70)	130 (119)	
Isophorone	1100	0	1100	ug/Kg	100				70 (76)	130 (122)	
2-Nitrophenol	1100	0	1200	ug/Kg	109				70 (54)	130 (145)	
2,4-Dimethylphenol	1100	0	960	ug/Kg	87				70 (83)	130 (144)	
bis(2-Chloroethoxy)methane	1100	0	1000	ug/Kg	91				70 (68)	130 (112)	
2,4-Dichlorophenol	1100	0	1100	ug/Kg	100				70 (72)	130 (118)	
Naphthalene	1100	0	1100	ug/Kg	100				70 (72)	130 (110)	
4-Chloroaniline	1100	0	260	ug/Kg	24	*			70 (10)	130 (100)	
Hexachlorobutadiene	1100	0	1200	ug/Kg	109				70 (66)	130 (114)	
Caprolactam	1100	0	1100	ug/Kg	100				20 (51)	160 (134)	
4-Chloro-3-methylphenol	1100	0	1100	ug/Kg	100				70 (57)	130 (132)	
2-Methylnaphthalene	1100	0	1000	ug/Kg	91				70 (59)	130 (123)	
Hexachlorocyclopentadiene	2200	0	1400	ug/Kg	64				20 (10)	160 (175)	
2,4,6-Trichlorophenol	1100	0	1100	ug/Kg	100				70 (72)	130 (117)	
2,4,5-Trichlorophenol	1100	0	1000	ug/Kg	91				70 (72)	130 (117)	
1,1-Biphenyl	1100	0	1100	ug/Kg	100				70 (75)	130 (113)	
2-Chloronaphthalene	1100	0	1100	ug/Kg	100				70 (67)	130 (118)	
2-Nitroaniline	1100	0	1100	ug/Kg	100				70 (69)	130 (127)	
Dimethylphthalate	1100	0	1100	ug/Kg	100				70 (70)	130 (113)	
Acenaphthylene	1100	0	1100	ug/Kg	100				70 (79)	130 (118)	
2,6-Dinitrotoluene	1100	0	1100	ug/Kg	100				70 (70)	130 (125)	
3-Nitroaniline	1100	0	660	ug/Kg	60	*			70 (20)	130 (111)	
Acenaphthene	1100	0	1000	ug/Kg	91				70 (70)	130 (121)	
2,4-Dinitrophenol	2200	0	1500	ug/Kg	68				20 (16)	160 (160)	
4-Nitrophenol	2200	0	2000	ug/Kg	91				20 (45)	160 (133)	
Dibenzofuran	1100	0	1100	ug/Kg	100				70 (72)	130 (110)	
2,4-Dinitrotoluene	1100	0	1200	ug/Kg	109				70 (55)	130 (128)	
Diethylphthalate	1100	0	1100	ug/Kg	100				70 (70)	130 (112)	
4-Chlorophenyl-phenylether	1100	0	1100	ug/Kg	100				70 (71)	130 (108)	
Fluorene	1100	0	1100	ug/Kg	100				70 (68)	130 (116)	
4-Nitroaniline	1100	0	920	ug/Kg	84				70 (55)	130 (120)	
4,6-Dinitro-2-methylphenol	1100	0	890	ug/Kg	81				70 (32)	130 (145)	
N-Nitrosodiphenylamine	1100	0	1200	ug/Kg	109				70 (73)	130 (118)	
4-Bromophenyl-phenylether	1100	0	1200	ug/Kg	109				70 (65)	130 (121)	
Hexachlorobenzene	1100	0	1200	ug/Kg	109				70 (67)	130 (118)	
Atrazine	1100	0	1500	ug/Kg	136	*			70 (79)	130 (127)	
Pentachlorophenol	2200	0	2000	ug/Kg	91				20 (47)	160 (128)	

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: O5252

Client: RMJ Environomics, Inc.

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Phenanthrene	1100	71.1	1200	ug/Kg	103				70 (72)	130 (113)	
Anthracene	1100	0	1100	ug/Kg	100				70 (62)	130 (124)	
Carbazole	1100	0	1000	ug/Kg	91				70 (59)	130 (119)	
Di-n-butylphthalate	1100	0	1200	ug/Kg	109				70 (69)	130 (118)	
Fluoranthene	1100	120	1100	ug/Kg	89				70 (59)	130 (125)	
Pyrene	1100	110	990	ug/Kg	80				70 (52)	130 (128)	
Butylbenzylphthalate	1100	0	1000	ug/Kg	91				70 (64)	130 (126)	
3,3-Dichlorobenzidine	1100	0	1000	ug/Kg	91				70 (10)	130 (164)	
Benzo(a)anthracene	1100	67.6	1100	ug/Kg	94				70 (71)	130 (114)	
Chrysene	1100	69.7	1100	ug/Kg	94				70 (57)	130 (121)	
bis(2-Ethylhexyl)phthalate	1100	0	1100	ug/Kg	100				70 (66)	130 (127)	
Di-n-octyl phthalate	1100	0	1300	ug/Kg	118				70 (71)	130 (126)	
Benzo(b)fluoranthene	1100	100	1300	ug/Kg	109				70 (67)	130 (121)	
Benzo(k)fluoranthene	1100	0	1100	ug/Kg	100				70 (74)	130 (114)	
Benzo(a)pyrene	1100	70.4	1100	ug/Kg	94				70 (70)	130 (142)	
Indeno(1,2,3-cd)pyrene	1100	0	810	ug/Kg	74				70 (61)	130 (125)	
Dibenz(a,h)anthracene	1100	0	810	ug/Kg	74				70 (67)	130 (130)	
Benzo(g,h,i)perylene	1100	88.2	680	ug/Kg	54	*			70 (53)	130 (140)	
1,2,4,5-Tetrachlorobenzene	1100	0	1100	ug/Kg	100				70 (69)	130 (124)	
1,4-Dioxane	1100	0	830	ug/Kg	75				20 (46)	160 (112)	
2,3,4,6-Tetrachlorophenol	1100	0	1000	ug/Kg	91				70 (56)	130 (133)	

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: O5252

Client: RMJ Environomics, Inc.

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: O5257-05MSD		**Client Sample ID: WC-2MSD**						**DataFile: BF136163.D**			
Benzaldehyde	1100	0	350	ug/Kg	32		6		20 (26)	160 (163)	30 (20)
Phenol	1100	0	1100	ug/Kg	100		9		20 (67)	160 (126)	30 (20)
bis(2-Chloroethyl)ether	1100	0	1100	ug/Kg	100		9		70 (74)	130 (116)	30 (20)
2-Chlorophenol	1100	0	1100	ug/Kg	100		0		70 (61)	130 (138)	30 (20)
2-Methylphenol	1100	0	1000	ug/Kg	91		6		70 (66)	130 (122)	30 (20)
2,2-oxybis(1-Chloropropane)	1100	0	1000	ug/Kg	91		3		70 (52)	130 (115)	30 (20)
Acetophenone	1100	0	1200	ug/Kg	109		9		70 (75)	130 (111)	30 (20)
3+4-Methylphenols	1100	0	1000	ug/Kg	91		2		20 (53)	160 (132)	30 (20)
N-Nitroso-di-n-propylamine	1100	0	1100	ug/Kg	100		9		70 (59)	130 (119)	30 (20)
Hexachloroethane	1100	0	1200	ug/Kg	109		9		20 (65)	160 (117)	30 (20)
Nitrobenzene	1100	0	1200	ug/Kg	109		9		70 (70)	130 (119)	30 (20)
Isophorone	1100	0	1100	ug/Kg	100		0		70 (76)	130 (122)	30 (20)
2-Nitrophenol	1100	0	1300	ug/Kg	118		8		70 (54)	130 (145)	30 (20)
2,4-Dimethylphenol	1100	0	1000	ug/Kg	91		4		70 (83)	130 (144)	30 (20)
bis(2-Chloroethoxy)methane	1100	0	1100	ug/Kg	100		9		70 (68)	130 (112)	30 (20)
2,4-Dichlorophenol	1100	0	1200	ug/Kg	109		9		70 (72)	130 (118)	30 (20)
Naphthalene	1100	0	1100	ug/Kg	100		0		70 (72)	130 (110)	30 (20)
4-Chloroaniline	1100	0	260	ug/Kg	24	*	0		70 (10)	130 (100)	30 (20)
Hexachlorobutadiene	1100	0	1200	ug/Kg	109		0		70 (66)	130 (114)	30 (20)
Caprolactam	1100	0	1200	ug/Kg	109		9		20 (51)	160 (134)	30 (20)
4-Chloro-3-methylphenol	1100	0	1200	ug/Kg	109		9		70 (57)	130 (132)	30 (20)
2-Methylnaphthalene	1100	0	1100	ug/Kg	100		9		70 (59)	130 (123)	30 (20)
Hexachlorocyclopentadiene	2200	0	1700	ug/Kg	77		18		20 (10)	160 (175)	30 (20)
2,4,6-Trichlorophenol	1100	0	1200	ug/Kg	109		9		70 (72)	130 (117)	30 (20)
2,4,5-Trichlorophenol	1100	0	1100	ug/Kg	100		9		70 (72)	130 (117)	30 (20)
1,1-Biphenyl	1100	0	1200	ug/Kg	109		9		70 (75)	130 (113)	30 (20)
2-Chloronaphthalene	1100	0	1200	ug/Kg	109		9		70 (67)	130 (118)	30 (20)
2-Nitroaniline	1100	0	1200	ug/Kg	109		9		70 (69)	130 (127)	30 (20)
Dimethylphthalate	1100	0	1200	ug/Kg	109		9		70 (70)	130 (113)	30 (20)
Acenaphthylene	1100	0	1200	ug/Kg	109		9		70 (79)	130 (118)	30 (20)
2,6-Dinitrotoluene	1100	0	1200	ug/Kg	109		9		70 (70)	130 (125)	30 (20)
3-Nitroaniline	1100	0	690	ug/Kg	63	*	5		70 (20)	130 (111)	30 (20)
Acenaphthene	1100	0	1100	ug/Kg	100		9		70 (70)	130 (121)	30 (20)
2,4-Dinitrophenol	2200	0	1700	ug/Kg	77		12		20 (16)	160 (160)	30 (20)
4-Nitrophenol	2200	0	2200	ug/Kg	100		9		20 (45)	160 (133)	30 (20)
Dibenzofuran	1100	0	1100	ug/Kg	100		0		70 (72)	130 (110)	30 (20)
2,4-Dinitrotoluene	1100	0	1200	ug/Kg	109		0		70 (55)	130 (128)	30 (20)
Diethylphthalate	1100	0	1200	ug/Kg	109		9		70 (70)	130 (112)	30 (20)
4-Chlorophenyl-phenylether	1100	0	1200	ug/Kg	109		9		70 (71)	130 (108)	30 (20)
Fluorene	1100	0	1200	ug/Kg	109		9		70 (68)	130 (116)	30 (20)
4-Nitroaniline	1100	0	970	ug/Kg	88		5		70 (55)	130 (120)	30 (20)
4,6-Dinitro-2-methylphenol	1100	0	970	ug/Kg	88		8		70 (32)	130 (145)	30 (20)
N-Nitrosodiphenylamine	1100	0	1300	ug/Kg	118		8		70 (73)	130 (118)	30 (20)
4-Bromophenyl-phenylether	1100	0	1300	ug/Kg	118		8		70 (65)	130 (121)	30 (20)
Hexachlorobenzene	1100	0	1300	ug/Kg	118		8		70 (67)	130 (118)	30 (20)
Atrazine	1100	0	1600	ug/Kg	145	*	6		70 (79)	130 (127)	30 (20)
Pentachlorophenol	2200	0	2100	ug/Kg	95		4		20 (47)	160 (128)	30 (20)

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Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: O5252

Client: RMJ Environomics, Inc.

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Phenanthrene	1100	71.1	1200	ug/Kg	103		0		70 (72)	130 (113)	30 (20)
Anthracene	1100	0	1200	ug/Kg	109		9		70 (62)	130 (124)	30 (20)
Carbazole	1100	0	1100	ug/Kg	100		9		70 (59)	130 (119)	30 (20)
Di-n-butylphthalate	1100	0	1300	ug/Kg	118		8		70 (69)	130 (118)	30 (20)
Fluoranthene	1100	120	1200	ug/Kg	98		10		70 (59)	130 (125)	30 (20)
Pyrene	1100	110	1100	ug/Kg	90		12		70 (52)	130 (128)	30 (20)
Butylbenzylphthalate	1100	0	1100	ug/Kg	100		9		70 (64)	130 (126)	30 (20)
3,3-Dichlorobenzidine	1100	0	1100	ug/Kg	100		9		70 (10)	130 (164)	30 (20)
Benzo(a)anthracene	1100	67.6	1200	ug/Kg	103		9		70 (71)	130 (114)	30 (20)
Chrysene	1100	69.7	1200	ug/Kg	103		9		70 (57)	130 (121)	30 (20)
bis(2-Ethylhexyl)phthalate	1100	0	1200	ug/Kg	109		9		70 (66)	130 (127)	30 (20)
Di-n-octyl phthalate	1100	0	1400	ug/Kg	127		7		70 (71)	130 (126)	30 (20)
Benzo(b)fluoranthene	1100	100	1400	ug/Kg	118		8		70 (67)	130 (121)	30 (20)
Benzo(k)fluoranthene	1100	0	1200	ug/Kg	109		9		70 (74)	130 (114)	30 (20)
Benzo(a)pyrene	1100	70.4	1200	ug/Kg	103		9		70 (70)	130 (142)	30 (20)
Indeno(1,2,3-cd)pyrene	1100	0	900	ug/Kg	82		10		70 (61)	130 (125)	30 (20)
Dibenz(a,h)anthracene	1100	0	910	ug/Kg	83		11		70 (67)	130 (130)	30 (20)
Benzo(g,h,i)perylene	1100	88.2	750	ug/Kg	60	*	11		70 (53)	130 (140)	30 (20)
1,2,4,5-Tetrachlorobenzene	1100	0	1200	ug/Kg	109		9		70 (69)	130 (124)	30 (20)
1,4-Dioxane	1100	0	870	ug/Kg	79		5		20 (46)	160 (112)	30 (20)
2,3,4,6-Tetrachlorophenol	1100	0	1100	ug/Kg	100		9		70 (56)	130 (133)	30 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: O5252

Client: RMJ Environomics, Inc.

Analytical Method: 8270E **DataFile:** BF136178.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB156921BS	Benzaldehyde	1700	710	ug/Kg	42				20 (10)	160 (147)	
	Phenol	1700	1400	ug/Kg	82				20 (62)	160 (112)	
	bis(2-Chloroethyl)ether	1700	1500	ug/Kg	88				70 (60)	130 (101)	
	2-Chlorophenol	1700	1500	ug/Kg	88				70 (65)	130 (112)	
	2-Methylphenol	1700	1400	ug/Kg	82				70 (61)	130 (108)	
	2,2-oxybis(1-Chloropropane)	1700	1500	ug/Kg	88				70 (51)	130 (100)	
	Acetophenone	1700	1500	ug/Kg	88				70 (55)	130 (104)	
	3+4-Methylphenols	1700	1400	ug/Kg	82				20 (58)	160 (111)	
	N-Nitroso-di-n-propylamine	1700	1500	ug/Kg	88				70 (63)	130 (95)	
	Hexachloroethane	1700	1500	ug/Kg	88				20 (72)	160 (108)	
	Nitrobenzene	1700	1400	ug/Kg	82				70 (57)	130 (101)	
	Isophorone	1700	1500	ug/Kg	88				70 (59)	130 (99)	
	2-Nitrophenol	1700	1500	ug/Kg	88				70 (61)	130 (111)	
	2,4-Dimethylphenol	1700	1500	ug/Kg	88				70 (67)	130 (119)	
	bis(2-Chloroethoxy)methane	1700	1500	ug/Kg	88				70 (53)	130 (105)	
	2,4-Dichlorophenol	1700	1500	ug/Kg	88				70 (62)	130 (107)	
	Naphthalene	1700	1400	ug/Kg	82				70 (62)	130 (100)	
	4-Chloroaniline	1700	1000	ug/Kg	59		*		70 (16)	130 (100)	
	Hexachlorobutadiene	1700	1500	ug/Kg	88				70 (53)	130 (98)	
	Caprolactam	1700	1600	ug/Kg	94				20 (67)	160 (110)	
	4-Chloro-3-methylphenol	1700	1500	ug/Kg	88				70 (58)	130 (112)	
	2-Methylnaphthalene	1700	1400	ug/Kg	82				70 (60)	130 (104)	
	Hexachlorocyclopentadiene	3300	3100	ug/Kg	94				20 (45)	160 (134)	
	2,4,6-Trichlorophenol	1700	1400	ug/Kg	82				70 (59)	130 (102)	
	2,4,5-Trichlorophenol	1700	1400	ug/Kg	82				70 (61)	130 (98)	
	1,1-Biphenyl	1700	1400	ug/Kg	82				70 (57)	130 (103)	
	2-Chloronaphthalene	1700	1400	ug/Kg	82				70 (58)	130 (99)	
	2-Nitroaniline	1700	1500	ug/Kg	88				70 (66)	130 (101)	
	Dimethylphthalate	1700	1400	ug/Kg	82				70 (61)	130 (99)	
	Acenaphthylene	1700	1400	ug/Kg	82				70 (63)	130 (101)	
	2,6-Dinitrotoluene	1700	1500	ug/Kg	88				70 (61)	130 (104)	
	3-Nitroaniline	1700	1200	ug/Kg	71				70 (28)	130 (100)	
	Acenaphthene	1700	1600	ug/Kg	94				70 (57)	130 (104)	
	2,4-Dinitrophenol	3300	2900	ug/Kg	88				20 (37)	160 (128)	
	4-Nitrophenol	3300	3100	ug/Kg	94				20 (48)	160 (119)	
	Dibenzofuran	1700	1400	ug/Kg	82				70 (63)	130 (99)	
	2,4-Dinitrotoluene	1700	1600	ug/Kg	94				70 (60)	130 (106)	
	Diethylphthalate	1700	1400	ug/Kg	82				70 (60)	130 (101)	
	4-Chlorophenyl-phenylether	1700	1400	ug/Kg	82				70 (58)	130 (98)	
	Fluorene	1700	1400	ug/Kg	82				70 (61)	130 (101)	
	4-Nitroaniline	1700	1500	ug/Kg	88				70 (64)	130 (103)	
	4,6-Dinitro-2-methylphenol	1700	1500	ug/Kg	88				70 (76)	130 (113)	
	N-Nitrosodiphenylamine	1700	1400	ug/Kg	82				70 (56)	130 (107)	
	4-Bromophenyl-phenylether	1700	1400	ug/Kg	82				70 (55)	130 (99)	
	Hexachlorobenzene	1700	1600	ug/Kg	94				70 (64)	130 (98)	
	Atrazine	1700	1200	ug/Kg	71				70 (67)	130 (113)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: O5252

Client: RMJ Environomics, Inc.

Analytical Method: 8270E **DataFile:** BF136178.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB156921BS	Pentachlorophenol	3300	2800	ug/Kg	85				20 (67)	160 (105)	
	Phenanthrene	1700	1500	ug/Kg	88				70 (59)	130 (103)	
	Anthracene	1700	1400	ug/Kg	82				70 (61)	130 (105)	
	Carbazole	1700	1500	ug/Kg	88				70 (61)	130 (99)	
	Di-n-butylphthalate	1700	1500	ug/Kg	88				70 (58)	130 (104)	
	Fluoranthene	1700	1500	ug/Kg	88				70 (57)	130 (107)	
	Pyrene	1700	1400	ug/Kg	82				70 (59)	130 (103)	
	Butylbenzylphthalate	1700	1500	ug/Kg	88				70 (55)	130 (103)	
	3,3-Dichlorobenzidine	1700	1500	ug/Kg	88				70 (42)	130 (91)	
	Benzo(a)anthracene	1700	1500	ug/Kg	88				70 (60)	130 (102)	
	Chrysene	1700	1400	ug/Kg	82				70 (59)	130 (101)	
	bis(2-Ethylhexyl)phthalate	1700	1500	ug/Kg	88				70 (63)	130 (111)	
	Di-n-octyl phthalate	1700	1500	ug/Kg	88				70 (70)	130 (108)	
	Benzo(b)fluoranthene	1700	1600	ug/Kg	94				70 (62)	130 (109)	
	Benzo(k)fluoranthene	1700	1600	ug/Kg	94				70 (62)	130 (109)	
	Benzo(a)pyrene	1700	1500	ug/Kg	88				70 (63)	130 (103)	
	Indeno(1,2,3-cd)pyrene	1700	1500	ug/Kg	88				70 (63)	130 (101)	
	Dibenz(a,h)anthracene	1700	1500	ug/Kg	88				70 (61)	130 (112)	
	Benzo(g,h,i)perylene	1700	1500	ug/Kg	88				70 (70)	130 (108)	
	1,2,4,5-Tetrachlorobenzene	1700	1400	ug/Kg	82				70 (53)	130 (101)	
	1,4-Dioxane	1700	1300	ug/Kg	76				20 (50)	160 (96)	
	2,3,4,6-Tetrachlorophenol	1700	1500	ug/Kg	88				70 (59)	130 (108)	

( ) = LABORATORY INHOUSE LIMIT

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB156921BL

Lab Name: CHEMTECH Contract: RMJE02

Lab Code: CHEM Case No.: O5252 SAS No.: O5252 SDG NO.: O5252

Lab File ID: BF136177.D Lab Sample ID: PB156921BL

Instrument ID: BNA_F Date Extracted: 11/06/2023

Matrix: (soil/water) SOIL Date Analyzed: 11/07/2023

Level: (low/med) LOW Time Analyzed: 15:47

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB156921BS	PB156921BS	BF136178.D	11/07/2023
WASTE	O5252-01	BM042698.D	11/10/2023
WC-2MS	O5257-05MS	BF136162.D	11/06/2023
WC-2MSD	O5257-05MSD	BF136163.D	11/06/2023

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: RMJE02

Lab Code: CHEM SAS No.: O5252 SDG NO.: O5252

Lab File ID: BF136022.D DFTPP Injection Date: 10/30/2023

Instrument ID: BNA_F DFTPP Injection Time: 11:02

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	33.1
68	Less than 2.0% of mass 69	0.6 (1.8) 1
69	Mass 69 relative abundance	32.0
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	45.3
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	6.7
275	10.0 - 60.0% of mass 198	28.1
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	15.5
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19 (19) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF136023.D	10/30/2023	12:02
SSTDICC005	SSTDICC005	BF136024.D	10/30/2023	12:32
SSTDICC010	SSTDICC010	BF136025.D	10/30/2023	13:02
SSTDICC020	SSTDICC020	BF136026.D	10/30/2023	13:33
SSTDICCC040	SSTDICCC040	BF136027.D	10/30/2023	14:04
SSTDICC050	SSTDICC050	BF136028.D	10/30/2023	14:49
SSTDICC060	SSTDICC060	BF136029.D	10/30/2023	15:20
SSTDICC080	SSTDICC080	BF136030.D	10/30/2023	15:51

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: RMJE02

Lab Code: CHEM SAS No.: O5252 SDG NO.: O5252

Lab File ID: BF136148.D DFTPP Injection Date: 11/06/2023

Instrument ID: BNA_F DFTPP Injection Time: 11:31

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	32.3
68	Less than 2.0% of mass 69	0.6 (1.8) 1
69	Mass 69 relative abundance	32.7
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	46
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	6.3
275	10.0 - 60.0% of mass 198	28.1
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	15
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.7 (19.1) 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	BF136149.D	11/06/2023	12:01
WC-2MS	O5257-05MS	BF136162.D	11/06/2023	18:59
WC-2MSD	O5257-05MSD	BF136163.D	11/06/2023	19:29

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: RMJE02

Lab Code: CHEM SAS No.: O5252 SDG NO.: O5252

Lab File ID: BF136166.D DFTPP Injection Date: 11/07/2023

Instrument ID: BNA_F DFTPP Injection Time: 09:28

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	32.6
68	Less than 2.0% of mass 69	0.6 (2) 1
69	Mass 69 relative abundance	33
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	46.1
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	27.7
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	14.8
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	17.8 (19.2) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF136168.D	11/07/2023	10:30
SSTDICC005	SSTDICC005	BF136169.D	11/07/2023	11:01
SSTDICC010	SSTDICC010	BF136170.D	11/07/2023	11:31
SSTDICC020	SSTDICC020	BF136171.D	11/07/2023	12:01
SSTDICCC040	SSTDICCC040	BF136172.D	11/07/2023	12:31
SSTDICC050	SSTDICC050	BF136173.D	11/07/2023	13:02
SSTDICC060	SSTDICC060	BF136174.D	11/07/2023	13:33
SSTDICC080	SSTDICC080	BF136175.D	11/07/2023	14:03
PB156921BL	PB156921BL	BF136177.D	11/07/2023	15:47
PB156921BS	PB156921BS	BF136178.D	11/07/2023	16:18

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SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: RMJE02

Lab Code: CHEM SAS No.: O5252 SDG NO.: O5252

Lab File ID: BM042487.D DFTPP Injection Date: 10/30/2023

Instrument ID: BNA_M DFTPP Injection Time: 09:52

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	48.8
68	Less than 2.0% of mass 69	0.7 (1.5) 1
69	Mass 69 relative abundance	45.8
70	Less than 2.0% of mass 69	0.2 (0.4) 1
127	10.0 - 80.0% of mass 198	47.4
197	Less than 2.0% of mass 198	0.5
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 60.0% of mass 198	24.7
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	13.7
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	17.4 (19.7) 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	BM042488.D	10/30/2023	11:04
SSTDICC005	SSTDICC005	BM042489.D	10/30/2023	11:40
SSTDICC010	SSTDICC010	BM042490.D	10/30/2023	12:16
SSTDICC020	SSTDICC020	BM042491.D	10/30/2023	12:52
SSTDICCC040	SSTDICCC040	BM042492.D	10/30/2023	13:29
SSTDICC050	SSTDICC050	BM042493.D	10/30/2023	14:05
SSTDICC060	SSTDICC060	BM042494.D	10/30/2023	14:41
SSTDICC080	SSTDICC080	BM042495.D	10/30/2023	15:18

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SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: RMJE02

Lab Code: CHEM SAS No.: O5252 SDG NO.: O5252

Lab File ID: BM042684.D DFTPP Injection Date: 11/10/2023

Instrument ID: BNA_M DFTPP Injection Time: 10:10

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	54.5
68	Less than 2.0% of mass 69	0.7 (1.5) 1
69	Mass 69 relative abundance	46.4
70	Less than 2.0% of mass 69	0.3 (0.6) 1
127	10.0 - 80.0% of mass 198	44.2
197	Less than 2.0% of mass 198	0.6
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 60.0% of mass 198	27.2
365	Greater than 1% of mass 198	4.2
441	Present, but less than mass 443	15
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.9 (19.8) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BM042685.D	11/10/2023	11:22
WASTE	O5252-01	BM042698.D	11/10/2023	19:10

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SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: O5252 SAS No.: O5252 SDG NO.: O5252

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/06/2023

Lab File ID: BF136149.D Time Analyzed: 12:01

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	106195	6.822	409921	8.10	211105	9.86
	UPPER LIMIT	212390	7.322	819842	8.598	422210	10.363
	LOWER LIMIT	53097.5	6.322	204961	7.598	105553	9.363
	EPA SAMPLE NO.						
01	WC-2MS	84798	6.82	326584	8.10	167090	9.86
02	WC-2MSD	84667	6.82	331240	8.10	166345	9.86

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: 05252 SAS No.: 05252 SDG NO.: 05252

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/06/2023

Lab File ID: BF136149.D Time Analyzed: 12:01

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	390010	11.351	198566	14.01	195040	15.492
	UPPER LIMIT	780020	11.851	397132	14.51	390080	15.992
	LOWER LIMIT	195005	10.851	99283	13.51	97520	14.992
	EPA SAMPLE NO.						
01	WC-2MS	266358	11.35	168860	14.01	162522	15.50
02	WC-2MSD	270586	11.35	171083	14.01	163710	15.50

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

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

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

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: O5252 SAS No.: O5252 SDG NO.: O5252

EPA Sample No.: SSTDICCC040 Date Analyzed: 11/07/2023

Lab File ID: BF136172.D Time Analyzed: 12:31

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	94039	6.822	355903	8.10	179783	9.86
	UPPER LIMIT	188078	7.322	711806	8.598	359566	10.357
	LOWER LIMIT	47019.5	6.322	177952	7.598	89891.5	9.357
	EPA SAMPLE NO.						
01	PB156921BL	92028	6.82	367949	8.10	188969	9.86
02	PB156921BS	87663	6.82	351885	8.10	189065	9.86

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: 05252 SAS No.: 05252 SDG NO.: 05252

EPA Sample No.: SSTDICCC040 Date Analyzed: 11/07/2023

Lab File ID: BF136172.D Time Analyzed: 12:31

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	318009	11.351	161950	14.01	176876	15.498
	UPPER LIMIT	636018	11.851	323900	14.51	353752	15.998
	LOWER LIMIT	159005	10.851	80975	13.51	88438	14.998
	EPA SAMPLE NO.						
01	PB156921BL	341560	11.35	196372	14.00	181071	15.49
02	PB156921BS	332026	11.35	171609	14.01	179783	15.50

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

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

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

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: O5252 SAS No.: O5252 SDG NO.: O5252

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/10/2023

Lab File ID: BM042685.D Time Analyzed: 11:22

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	72991	7.845	331358	10.66	231375	14.50
	UPPER LIMIT	145982	8.345	662716	11.163	462750	15.004
	LOWER LIMIT	36495.5	7.345	165679	10.163	115688	14.004
	EPA SAMPLE NO.						
01	WASTE	62722	7.85	245261	10.66	160144	14.50

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: O5252 SAS No.: O5252 SDG NO.: O5252

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/10/2023

Lab File ID: BM042685.D Time Analyzed: 11:22

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	472580	17.257	366899	21.445	365656	23.821
	UPPER LIMIT	945160	17.757	733798	21.945	731312	24.321
	LOWER LIMIT	236290	16.757	183450	20.945	182828	23.321
	EPA SAMPLE NO.						
01	WASTE	307838	17.26	232800	21.44	261247	23.82

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

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

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

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QC SAMPLE DATA

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Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	
Project:	245 Greenwood Ave	Date Received:	
Client Sample ID:	PB156921BL	SDG No.:	O5252
Lab Sample ID:	PB156921BL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136177.D	1	11/06/23 09:48	11/07/23 15:47	PB156921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	0.15	U	0.15	0.33	mg/Kg
108-95-2	Phenol	0.074	U	0.074	0.17	mg/Kg
111-44-4	bis(2-Chloroethyl)ether	0.090	U	0.090	0.17	mg/Kg
95-57-8	2-Chlorophenol	0.072	U	0.072	0.17	mg/Kg
95-48-7	2-Methylphenol	0.11	U	0.11	0.17	mg/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	0.10	U	0.10	0.17	mg/Kg
98-86-2	Acetophenone	0.087	U	0.087	0.17	mg/Kg
65794-96-9	3+4-Methylphenols	0.11	U	0.11	0.33	mg/Kg
621-64-7	n-Nitroso-di-n-propylamine	0.059	U	0.059	0.080	mg/Kg
67-72-1	Hexachloroethane	0.074	U	0.074	0.17	mg/Kg
98-95-3	Nitrobenzene	0.075	U	0.075	0.17	mg/Kg
78-59-1	Isophorone	0.068	U	0.068	0.17	mg/Kg
88-75-5	2-Nitrophenol	0.095	U	0.095	0.17	mg/Kg
105-67-9	2,4-Dimethylphenol	0.100	U	0.100	0.17	mg/Kg
111-91-1	bis(2-Chloroethoxy)methane	0.11	U	0.11	0.17	mg/Kg
120-83-2	2,4-Dichlorophenol	0.078	U	0.078	0.17	mg/Kg
91-20-3	Naphthalene	0.081	U	0.081	0.17	mg/Kg
106-47-8	4-Chloroaniline	0.10	U	0.10	0.17	mg/Kg
87-68-3	Hexachlorobutadiene	0.084	U	0.084	0.17	mg/Kg
105-60-2	Caprolactam	0.12	U	0.12	0.33	mg/Kg
59-50-7	4-Chloro-3-methylphenol	0.083	U	0.083	0.17	mg/Kg
91-57-6	2-Methylnaphthalene	0.095	U	0.095	0.17	mg/Kg
77-47-4	Hexachlorocyclopentadiene	0.21	U	0.21	0.33	mg/Kg
88-06-2	2,4,6-Trichlorophenol	0.077	U	0.077	0.17	mg/Kg
95-95-4	2,4,5-Trichlorophenol	0.088	U	0.088	0.17	mg/Kg
92-52-4	1,1-Biphenyl	0.091	U	0.091	0.17	mg/Kg
91-58-7	2-Chloronaphthalene	0.085	U	0.085	0.17	mg/Kg
88-74-4	2-Nitroaniline	0.099	U	0.099	0.17	mg/Kg
131-11-3	Dimethylphthalate	0.089	U	0.089	0.17	mg/Kg
208-96-8	Acenaphthylene	0.088	U	0.088	0.17	mg/Kg
606-20-2	2,6-Dinitrotoluene	0.090	U	0.090	0.17	mg/Kg

Raw Data: **BF136177.D**

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Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	
Project:	245 Greenwood Ave	Date Received:	
Client Sample ID:	PB156921BL	SDG No.:	O5252
Lab Sample ID:	PB156921BL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136177.D	1	11/06/23 09:48	11/07/23 15:47	PB156921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	0.093	U	0.093	0.17	mg/Kg
83-32-9	Acenaphthene	0.080	U	0.080	0.17	mg/Kg
51-28-5	2,4-Dinitrophenol	0.18	U	0.18	0.33	mg/Kg
100-02-7	4-Nitrophenol	0.11	U	0.11	0.33	mg/Kg
132-64-9	Dibenzofuran	0.077	U	0.077	0.17	mg/Kg
121-14-2	2,4-Dinitrotoluene	0.100	U	0.100	0.17	mg/Kg
84-66-2	Diethylphthalate	0.086	U	0.086	0.17	mg/Kg
7005-72-3	4-Chlorophenyl-phenylether	0.090	U	0.090	0.17	mg/Kg
86-73-7	Fluorene	0.085	U	0.085	0.17	mg/Kg
100-01-6	4-Nitroaniline	0.10	U	0.10	0.17	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	0.088	U	0.088	0.33	mg/Kg
86-30-6	n-Nitrosodiphenylamine	0.093	U	0.093	0.17	mg/Kg
101-55-3	4-Bromophenyl-phenylether	0.097	U	0.097	0.17	mg/Kg
118-74-1	Hexachlorobenzene	0.099	U	0.099	0.17	mg/Kg
1912-24-9	Atrazine	0.095	U	0.095	0.17	mg/Kg
87-86-5	Pentachlorophenol	0.11	U	0.11	0.33	mg/Kg
85-01-8	Phenanthrene	0.093	U	0.093	0.17	mg/Kg
120-12-7	Anthracene	0.10	U	0.10	0.17	mg/Kg
86-74-8	Carbazole	0.085	U	0.085	0.17	mg/Kg
84-74-2	Di-n-butylphthalate	0.10	U	0.10	0.17	mg/Kg
206-44-0	Fluoranthene	0.094	U	0.094	0.17	mg/Kg
129-00-0	Pyrene	0.084	U	0.084	0.17	mg/Kg
85-68-7	Butylbenzylphthalate	0.10	U	0.10	0.17	mg/Kg
91-94-1	3,3-Dichlorobenzidine	0.16	U	0.16	0.33	mg/Kg
56-55-3	Benzo(a)anthracene	0.084	U	0.084	0.17	mg/Kg
218-01-9	Chrysene	0.087	U	0.087	0.17	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	0.11	U	0.11	0.17	mg/Kg
117-84-0	Di-n-octyl phthalate	0.12	U	0.12	0.33	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.080	U	0.080	0.17	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.088	U	0.088	0.17	mg/Kg
50-32-8	Benzo(a)pyrene	0.094	U	0.094	0.17	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.11	U	0.11	0.17	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.097	U	0.097	0.17	mg/Kg

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Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	
Project:	245 Greenwood Ave	Date Received:	
Client Sample ID:	PB156921BL	SDG No.:	O5252
Lab Sample ID:	PB156921BL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136177.D	1	11/06/23 09:48	11/07/23 15:47	PB156921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	0.093	U	0.093	0.17	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	0.089	U	0.089	0.17	mg/Kg
123-91-1	1,4-Dioxane	0.12	U	0.12	0.17	mg/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	0.083	U	0.083	0.17	mg/Kg
SURROGATES						
367-12-4	2-Fluorophenol	126		30 (18) - 130 (112)	84%	SPK: 150
13127-88-3	Phenol-d6	125		30 (15) - 130 (107)	84%	SPK: 150
4165-60-0	Nitrobenzene-d5	86.6		30 (18) - 130 (107)	87%	SPK: 100
321-60-8	2-Fluorobiphenyl	85.1		30 (20) - 130 (109)	85%	SPK: 100
118-79-6	2,4,6-Tribromophenol	131		30 (10) - 130 (110)	87%	SPK: 150
1718-51-0	Terphenyl-d14	84.9		30 (14) - 130 (112)	85%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	92000	6.816			
1146-65-2	Naphthalene-d8	368000	8.098			
15067-26-2	Acenaphthene-d10	189000	9.857			
1517-22-2	Phenanthrene-d10	342000	11.351			
1719-03-5	Chrysene-d12	196000	14.004			
1520-96-3	Perylene-d12	181000	15.492			
TENTATIVE IDENTIFIED COMPOUNDS						
000556-71-8	Cyclononasiloxane, octadecamethyl-	160	J		14.5	ug/Kg
000107-52-8	Hexasiloxane, tetradecamethyl-	300	J		14.9	ug/Kg
	unknown15.351	370	J		15.4	ug/Kg
	unknown15.880	380	J		15.9	ug/Kg
	unknown16.510	350	J		16.5	ug/Kg
	unknown17.274	300	J		17.3	ug/Kg
000556-70-7	1,1,1,3,3,5,5,7,7,9,9,11,11,13,13,	280	J		18.2	ug/Kg

Raw Data: **BF136177.D**

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Report of Analysis

Client:	RMJ Environomics, Inc.			Date Collected:	
Project:	245 Greenwood Ave			Date Received:	
Client Sample ID:	PB156921BL			SDG No.:	O5252
Lab Sample ID:	PB156921BL			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	100
Sample Wt/Vol:	30.01	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136177.D	1	11/06/23 09:48	11/07/23 15:47	PB156921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

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

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

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Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	
Project:	245 Greenwood Ave	Date Received:	
Client Sample ID:	PB156921BS	SDG No.:	O5252
Lab Sample ID:	PB156921BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136178.D	1	11/06/23 09:48	11/07/23 16:18	PB156921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	0.71		0.15	0.33	mg/Kg
108-95-2	Phenol	1.40		0.074	0.17	mg/Kg
111-44-4	bis(2-Chloroethyl)ether	1.50		0.090	0.17	mg/Kg
95-57-8	2-Chlorophenol	1.50		0.072	0.17	mg/Kg
95-48-7	2-Methylphenol	1.40		0.11	0.17	mg/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1.50		0.10	0.17	mg/Kg
98-86-2	Acetophenone	1.50		0.087	0.17	mg/Kg
65794-96-9	3+4-Methylphenols	1.40		0.11	0.33	mg/Kg
621-64-7	n-Nitroso-di-n-propylamine	1.50		0.059	0.080	mg/Kg
67-72-1	Hexachloroethane	1.50		0.074	0.17	mg/Kg
98-95-3	Nitrobenzene	1.40		0.075	0.17	mg/Kg
78-59-1	Isophorone	1.50		0.068	0.17	mg/Kg
88-75-5	2-Nitrophenol	1.50		0.095	0.17	mg/Kg
105-67-9	2,4-Dimethylphenol	1.50		0.100	0.17	mg/Kg
111-91-1	bis(2-Chloroethoxy)methane	1.50		0.11	0.17	mg/Kg
120-83-2	2,4-Dichlorophenol	1.50		0.078	0.17	mg/Kg
91-20-3	Naphthalene	1.40		0.081	0.17	mg/Kg
106-47-8	4-Chloroaniline	1.00		0.10	0.17	mg/Kg
87-68-3	Hexachlorobutadiene	1.50		0.084	0.17	mg/Kg
105-60-2	Caprolactam	1.60		0.12	0.33	mg/Kg
59-50-7	4-Chloro-3-methylphenol	1.50		0.082	0.17	mg/Kg
91-57-6	2-Methylnaphthalene	1.40		0.095	0.17	mg/Kg
77-47-4	Hexachlorocyclopentadiene	3.10	E	0.21	0.33	mg/Kg
88-06-2	2,4,6-Trichlorophenol	1.40		0.077	0.17	mg/Kg
95-95-4	2,4,5-Trichlorophenol	1.40		0.088	0.17	mg/Kg
92-52-4	1,1-Biphenyl	1.40		0.091	0.17	mg/Kg
91-58-7	2-Chloronaphthalene	1.40		0.085	0.17	mg/Kg
88-74-4	2-Nitroaniline	1.50		0.099	0.17	mg/Kg
131-11-3	Dimethylphthalate	1.40		0.089	0.17	mg/Kg
208-96-8	Acenaphthylene	1.40		0.088	0.17	mg/Kg
606-20-2	2,6-Dinitrotoluene	1.50		0.090	0.17	mg/Kg

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Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	
Project:	245 Greenwood Ave	Date Received:	
Client Sample ID:	PB156921BS	SDG No.:	O5252
Lab Sample ID:	PB156921BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136178.D	1	11/06/23 09:48	11/07/23 16:18	PB156921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	1.20		0.093	0.17	mg/Kg
83-32-9	Acenaphthene	1.60		0.080	0.17	mg/Kg
51-28-5	2,4-Dinitrophenol	2.90	E	0.18	0.33	mg/Kg
100-02-7	4-Nitrophenol	3.10	E	0.11	0.33	mg/Kg
132-64-9	Dibenzofuran	1.40		0.077	0.17	mg/Kg
121-14-2	2,4-Dinitrotoluene	1.60		0.100	0.17	mg/Kg
84-66-2	Diethylphthalate	1.40		0.086	0.17	mg/Kg
7005-72-3	4-Chlorophenyl-phenylether	1.40		0.090	0.17	mg/Kg
86-73-7	Fluorene	1.40		0.085	0.17	mg/Kg
100-01-6	4-Nitroaniline	1.50		0.10	0.17	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1.50		0.088	0.33	mg/Kg
86-30-6	n-Nitrosodiphenylamine	1.40		0.093	0.17	mg/Kg
101-55-3	4-Bromophenyl-phenylether	1.40		0.097	0.17	mg/Kg
118-74-1	Hexachlorobenzene	1.60		0.099	0.17	mg/Kg
1912-24-9	Atrazine	1.20		0.095	0.17	mg/Kg
87-86-5	Pentachlorophenol	2.80	E	0.11	0.33	mg/Kg
85-01-8	Phenanthrene	1.50		0.093	0.17	mg/Kg
120-12-7	Anthracene	1.40		0.10	0.17	mg/Kg
86-74-8	Carbazole	1.50		0.085	0.17	mg/Kg
84-74-2	Di-n-butylphthalate	1.50		0.10	0.17	mg/Kg
206-44-0	Fluoranthene	1.50		0.094	0.17	mg/Kg
129-00-0	Pyrene	1.40		0.084	0.17	mg/Kg
85-68-7	Butylbenzylphthalate	1.50		0.10	0.17	mg/Kg
91-94-1	3,3-Dichlorobenzidine	1.50		0.16	0.33	mg/Kg
56-55-3	Benzo(a)anthracene	1.50		0.084	0.17	mg/Kg
218-01-9	Chrysene	1.40		0.087	0.17	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1.50		0.11	0.17	mg/Kg
117-84-0	Di-n-octyl phthalate	1.50		0.12	0.33	mg/Kg
205-99-2	Benzo(b)fluoranthene	1.60		0.080	0.17	mg/Kg
207-08-9	Benzo(k)fluoranthene	1.60		0.088	0.17	mg/Kg
50-32-8	Benzo(a)pyrene	1.50		0.094	0.17	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1.50		0.11	0.17	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	1.50		0.096	0.17	mg/Kg

Raw Data: **BF136178.D**

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Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	
Project:	245 Greenwood Ave	Date Received:	
Client Sample ID:	PB156921BS	SDG No.:	O5252
Lab Sample ID:	PB156921BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136178.D	1	11/06/23 09:48	11/07/23 16:18	PB156921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	1.50		0.092	0.17	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1.40		0.089	0.17	mg/Kg
123-91-1	1,4-Dioxane	1.30		0.12	0.17	mg/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1.50		0.083	0.17	mg/Kg
SURROGATES						
367-12-4	2-Fluorophenol	127		30 (18) - 130 (112)	85%	SPK: 150
13127-88-3	Phenol-d6	124		30 (15) - 130 (107)	83%	SPK: 150
4165-60-0	Nitrobenzene-d5	82.1		30 (18) - 130 (107)	82%	SPK: 100
321-60-8	2-Fluorobiphenyl	78.8		30 (20) - 130 (109)	79%	SPK: 100
118-79-6	2,4,6-Tribromophenol	132		30 (10) - 130 (110)	88%	SPK: 150
1718-51-0	Terphenyl-d14	84.2		30 (14) - 130 (112)	84%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	87700	6.822			
1146-65-2	Naphthalene-d8	352000	8.104			
15067-26-2	Acenaphthene-d10	189000	9.863			
1517-22-2	Phenanthrene-d10	332000	11.351			
1719-03-5	Chrysene-d12	172000	14.01			
1520-96-3	Perylene-d12	180000	15.498			

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

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

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Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	11/03/23
Project:	245 Greenwood Ave	Date Received:	11/03/23
Client Sample ID:	WC-2MS	SDG No.:	O5252
Lab Sample ID:	O5257-05MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.4
Sample Wt/Vol:	50.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136162.D	1	11/06/23 09:48	11/06/23 18:59	PB156921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	0.33		0.097	0.22	mg/Kg
108-95-2	Phenol	1.00		0.049	0.11	mg/Kg
111-44-4	bis(2-Chloroethyl)ether	1.00		0.059	0.11	mg/Kg
95-57-8	2-Chlorophenol	1.10		0.047	0.11	mg/Kg
95-48-7	2-Methylphenol	0.95		0.075	0.11	mg/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	0.97		0.069	0.11	mg/Kg
98-86-2	Acetophenone	1.10		0.057	0.11	mg/Kg
65794-96-9	3+4-Methylphenols	0.98		0.071	0.22	mg/Kg
621-64-7	n-Nitroso-di-n-propylamine	1.00		0.039	0.052	mg/Kg
67-72-1	Hexachloroethane	1.10		0.048	0.11	mg/Kg
98-95-3	Nitrobenzene	1.10		0.049	0.11	mg/Kg
78-59-1	Isophorone	1.10		0.045	0.11	mg/Kg
88-75-5	2-Nitrophenol	1.20		0.062	0.11	mg/Kg
105-67-9	2,4-Dimethylphenol	0.96		0.065	0.11	mg/Kg
111-91-1	bis(2-Chloroethoxy)methane	1.00		0.073	0.11	mg/Kg
120-83-2	2,4-Dichlorophenol	1.10		0.051	0.11	mg/Kg
91-20-3	Naphthalene	1.10		0.053	0.11	mg/Kg
106-47-8	4-Chloroaniline	0.26		0.069	0.11	mg/Kg
87-68-3	Hexachlorobutadiene	1.20		0.055	0.11	mg/Kg
105-60-2	Caprolactam	1.10		0.077	0.22	mg/Kg
59-50-7	4-Chloro-3-methylphenol	1.10		0.054	0.11	mg/Kg
91-57-6	2-Methylnaphthalene	1.00		0.062	0.11	mg/Kg
77-47-4	Hexachlorocyclopentadiene	1.40		0.14	0.22	mg/Kg
88-06-2	2,4,6-Trichlorophenol	1.10		0.051	0.11	mg/Kg
95-95-4	2,4,5-Trichlorophenol	1.00		0.058	0.11	mg/Kg
92-52-4	1,1-Biphenyl	1.10		0.060	0.11	mg/Kg
91-58-7	2-Chloronaphthalene	1.10		0.055	0.11	mg/Kg
88-74-4	2-Nitroaniline	1.10		0.065	0.11	mg/Kg
131-11-3	Dimethylphthalate	1.10		0.058	0.11	mg/Kg
208-96-8	Acenaphthylene	1.10		0.058	0.11	mg/Kg
606-20-2	2,6-Dinitrotoluene	1.10		0.059	0.11	mg/Kg

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Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	11/03/23
Project:	245 Greenwood Ave	Date Received:	11/03/23
Client Sample ID:	WC-2MS	SDG No.:	O5252
Lab Sample ID:	O5257-05MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.4
Sample Wt/Vol:	50.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136162.D	1	11/06/23 09:48	11/06/23 18:59	PB156921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	0.66		0.061	0.11	mg/Kg
83-32-9	Acenaphthene	1.00		0.053	0.11	mg/Kg
51-28-5	2,4-Dinitrophenol	1.50		0.12	0.22	mg/Kg
100-02-7	4-Nitrophenol	2.00	E	0.075	0.22	mg/Kg
132-64-9	Dibenzofuran	1.10		0.050	0.11	mg/Kg
121-14-2	2,4-Dinitrotoluene	1.20		0.066	0.11	mg/Kg
84-66-2	Diethylphthalate	1.10		0.056	0.11	mg/Kg
7005-72-3	4-Chlorophenyl-phenylether	1.10		0.059	0.11	mg/Kg
86-73-7	Fluorene	1.10		0.056	0.11	mg/Kg
100-01-6	4-Nitroaniline	0.92		0.068	0.11	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	0.89		0.058	0.22	mg/Kg
86-30-6	n-Nitrosodiphenylamine	1.20		0.061	0.11	mg/Kg
101-55-3	4-Bromophenyl-phenylether	1.20		0.064	0.11	mg/Kg
118-74-1	Hexachlorobenzene	1.20		0.065	0.11	mg/Kg
1912-24-9	Atrazine	1.50		0.063	0.11	mg/Kg
87-86-5	Pentachlorophenol	2.00	E	0.073	0.22	mg/Kg
85-01-8	Phenanthrene	1.20		0.061	0.11	mg/Kg
120-12-7	Anthracene	1.10		0.067	0.11	mg/Kg
86-74-8	Carbazole	1.00		0.056	0.11	mg/Kg
84-74-2	Di-n-butylphthalate	1.20		0.068	0.11	mg/Kg
206-44-0	Fluoranthene	1.10		0.062	0.11	mg/Kg
129-00-0	Pyrene	0.99		0.055	0.11	mg/Kg
85-68-7	Butylbenzylphthalate	1.00		0.068	0.11	mg/Kg
91-94-1	3,3-Dichlorobenzidine	1.00		0.11	0.22	mg/Kg
56-55-3	Benzo(a)anthracene	1.10		0.055	0.11	mg/Kg
218-01-9	Chrysene	1.10		0.057	0.11	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1.10		0.075	0.11	mg/Kg
117-84-0	Di-n-octyl phthalate	1.30		0.081	0.22	mg/Kg
205-99-2	Benzo(b)fluoranthene	1.30		0.053	0.11	mg/Kg
207-08-9	Benzo(k)fluoranthene	1.10		0.058	0.11	mg/Kg
50-32-8	Benzo(a)pyrene	1.10		0.062	0.11	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.81		0.070	0.11	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.81		0.063	0.11	mg/Kg

Raw Data: **BF136162.D**

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Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	11/03/23
Project:	245 Greenwood Ave	Date Received:	11/03/23
Client Sample ID:	WC-2MS	SDG No.:	O5252
Lab Sample ID:	O5257-05MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.4
Sample Wt/Vol:	50.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136162.D	1	11/06/23 09:48	11/06/23 18:59	PB156921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	0.68		0.061	0.11	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1.10		0.059	0.11	mg/Kg
123-91-1	1,4-Dioxane	0.83		0.077	0.11	mg/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1.00		0.054	0.11	mg/Kg
SURROGATES						
367-12-4	2-Fluorophenol	112		30 (18) - 130 (112)	74%	SPK: 150
13127-88-3	Phenol-d6	111		30 (15) - 130 (107)	74%	SPK: 150
4165-60-0	Nitrobenzene-d5	86.1		30 (18) - 130 (107)	86%	SPK: 100
321-60-8	2-Fluorobiphenyl	84.6		30 (20) - 130 (109)	85%	SPK: 100
118-79-6	2,4,6-Tribromophenol	117		30 (10) - 130 (110)	78%	SPK: 150
1718-51-0	Terphenyl-d14	69.8		30 (14) - 130 (112)	70%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	84800	6.822			
1146-65-2	Naphthalene-d8	327000	8.104			
15067-26-2	Acenaphthene-d10	167000	9.863			
1517-22-2	Phenanthrene-d10	266000	11.351			
1719-03-5	Chrysene-d12	169000	14.01			
1520-96-3	Perylene-d12	163000	15.498			

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

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	11/03/23
Project:	245 Greenwood Ave	Date Received:	11/03/23
Client Sample ID:	WC-2MSD	SDG No.:	O5252
Lab Sample ID:	O5257-05MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.4
Sample Wt/Vol:	50.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136163.D	1	11/06/23 09:48	11/06/23 19:29	PB156921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	0.35		0.097	0.22	mg/Kg
108-95-2	Phenol	1.10		0.049	0.11	mg/Kg
111-44-4	bis(2-Chloroethyl)ether	1.10		0.059	0.11	mg/Kg
95-57-8	2-Chlorophenol	1.10		0.047	0.11	mg/Kg
95-48-7	2-Methylphenol	1.00		0.075	0.11	mg/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1.00		0.069	0.11	mg/Kg
98-86-2	Acetophenone	1.20		0.057	0.11	mg/Kg
65794-96-9	3+4-Methylphenols	1.00		0.071	0.22	mg/Kg
621-64-7	n-Nitroso-di-n-propylamine	1.10		0.039	0.053	mg/Kg
67-72-1	Hexachloroethane	1.20		0.048	0.11	mg/Kg
98-95-3	Nitrobenzene	1.20		0.049	0.11	mg/Kg
78-59-1	Isophorone	1.10		0.045	0.11	mg/Kg
88-75-5	2-Nitrophenol	1.30		0.062	0.11	mg/Kg
105-67-9	2,4-Dimethylphenol	1.00		0.065	0.11	mg/Kg
111-91-1	bis(2-Chloroethoxy)methane	1.10		0.073	0.11	mg/Kg
120-83-2	2,4-Dichlorophenol	1.20		0.051	0.11	mg/Kg
91-20-3	Naphthalene	1.10		0.053	0.11	mg/Kg
106-47-8	4-Chloroaniline	0.26		0.069	0.11	mg/Kg
87-68-3	Hexachlorobutadiene	1.20		0.055	0.11	mg/Kg
105-60-2	Caprolactam	1.20		0.077	0.22	mg/Kg
59-50-7	4-Chloro-3-methylphenol	1.20		0.054	0.11	mg/Kg
91-57-6	2-Methylnaphthalene	1.10		0.062	0.11	mg/Kg
77-47-4	Hexachlorocyclopentadiene	1.70		0.14	0.22	mg/Kg
88-06-2	2,4,6-Trichlorophenol	1.20		0.051	0.11	mg/Kg
95-95-4	2,4,5-Trichlorophenol	1.10		0.058	0.11	mg/Kg
92-52-4	1,1-Biphenyl	1.20		0.060	0.11	mg/Kg
91-58-7	2-Chloronaphthalene	1.20		0.056	0.11	mg/Kg
88-74-4	2-Nitroaniline	1.20		0.065	0.11	mg/Kg
131-11-3	Dimethylphthalate	1.20		0.058	0.11	mg/Kg
208-96-8	Acenaphthylene	1.20		0.058	0.11	mg/Kg
606-20-2	2,6-Dinitrotoluene	1.20		0.059	0.11	mg/Kg

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Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	11/03/23
Project:	245 Greenwood Ave	Date Received:	11/03/23
Client Sample ID:	WC-2MSD	SDG No.:	O5252
Lab Sample ID:	O5257-05MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.4
Sample Wt/Vol:	50.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136163.D	1	11/06/23 09:48	11/06/23 19:29	PB156921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	0.69		0.061	0.11	mg/Kg
83-32-9	Acenaphthene	1.10		0.053	0.11	mg/Kg
51-28-5	2,4-Dinitrophenol	1.70		0.12	0.22	mg/Kg
100-02-7	4-Nitrophenol	2.20	E	0.075	0.22	mg/Kg
132-64-9	Dibenzofuran	1.10		0.050	0.11	mg/Kg
121-14-2	2,4-Dinitrotoluene	1.20		0.066	0.11	mg/Kg
84-66-2	Diethylphthalate	1.20		0.056	0.11	mg/Kg
7005-72-3	4-Chlorophenyl-phenylether	1.20		0.059	0.11	mg/Kg
86-73-7	Fluorene	1.20		0.056	0.11	mg/Kg
100-01-6	4-Nitroaniline	0.97		0.068	0.11	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	0.97		0.058	0.22	mg/Kg
86-30-6	n-Nitrosodiphenylamine	1.30		0.061	0.11	mg/Kg
101-55-3	4-Bromophenyl-phenylether	1.30		0.064	0.11	mg/Kg
118-74-1	Hexachlorobenzene	1.30		0.065	0.11	mg/Kg
1912-24-9	Atrazine	1.60		0.063	0.11	mg/Kg
87-86-5	Pentachlorophenol	2.10	E	0.073	0.22	mg/Kg
85-01-8	Phenanthrene	1.20		0.061	0.11	mg/Kg
120-12-7	Anthracene	1.20		0.067	0.11	mg/Kg
86-74-8	Carbazole	1.10		0.056	0.11	mg/Kg
84-74-2	Di-n-butylphthalate	1.30		0.068	0.11	mg/Kg
206-44-0	Fluoranthene	1.20		0.062	0.11	mg/Kg
129-00-0	Pyrene	1.10		0.055	0.11	mg/Kg
85-68-7	Butylbenzylphthalate	1.10		0.068	0.11	mg/Kg
91-94-1	3,3-Dichlorobenzidine	1.10		0.11	0.22	mg/Kg
56-55-3	Benzo(a)anthracene	1.20		0.055	0.11	mg/Kg
218-01-9	Chrysene	1.20		0.057	0.11	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1.20		0.075	0.11	mg/Kg
117-84-0	Di-n-octyl phthalate	1.40		0.081	0.22	mg/Kg
205-99-2	Benzo(b)fluoranthene	1.40		0.053	0.11	mg/Kg
207-08-9	Benzo(k)fluoranthene	1.20		0.058	0.11	mg/Kg
50-32-8	Benzo(a)pyrene	1.20		0.062	0.11	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.90		0.070	0.11	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.91		0.063	0.11	mg/Kg

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Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	11/03/23
Project:	245 Greenwood Ave	Date Received:	11/03/23
Client Sample ID:	WC-2MSD	SDG No.:	O5252
Lab Sample ID:	O5257-05MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.4
Sample Wt/Vol:	50.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136163.D	1	11/06/23 09:48	11/06/23 19:29	PB156921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	0.75		0.061	0.11	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1.20		0.059	0.11	mg/Kg
123-91-1	1,4-Dioxane	0.87		0.077	0.11	mg/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1.10		0.054	0.11	mg/Kg
SURROGATES						
367-12-4	2-Fluorophenol	120		30 (18) - 130 (112)	80%	SPK: 150
13127-88-3	Phenol-d6	118		30 (15) - 130 (107)	79%	SPK: 150
4165-60-0	Nitrobenzene-d5	90.3		30 (18) - 130 (107)	90%	SPK: 100
321-60-8	2-Fluorobiphenyl	90.4		30 (20) - 130 (109)	90%	SPK: 100
118-79-6	2,4,6-Tribromophenol	127		30 (10) - 130 (110)	85%	SPK: 150
1718-51-0	Terphenyl-d14	75.3		30 (14) - 130 (112)	75%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	84700	6.822			
1146-65-2	Naphthalene-d8	331000	8.104			
15067-26-2	Acenaphthene-d10	166000	9.863			
1517-22-2	Phenanthrene-d10	271000	11.351			
1719-03-5	Chrysene-d12	171000	14.009			
1520-96-3	Perylene-d12	164000	15.498			

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

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

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CALIBRATION SUMMARY

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF103023.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Oct 31 01:13:02 2023
Response Via : Initial Calibration

Calibration Files
2.5 =BF136023.D 5 =BF136024.D 10 =BF136025.D 20 =BF136026.D 40 =BF136027.D 50 =BF136028.D 60 =BF136029.D 80 =BF1360
30.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.541	0.518	0.583	0.551	0.547	0.565	0.574	0.554	3.97
3)		Pyridine		1.476	1.427	1.591	1.496	1.493	1.538	1.568	1.513	3.74
4)		n-Nitrosodimet...		0.594	0.613	0.651	0.628	0.628	0.649	0.663	0.632	3.78
5)	S	2-Fluorophenol		1.313	1.280	1.370	1.246	1.218	1.247	1.235	1.273	4.16
6)		Aniline		2.103	2.052	2.203	2.019	1.957	2.021	2.016	2.053	3.88
7)	S	Phenol-d6		1.668	1.574	1.704	1.565	1.504	1.542	1.543	1.586	4.59
8)		2-Chlorophenol		1.403	1.386	1.472	1.352	1.290	1.324	1.298	1.361	4.77
9)		Benzaldehyde		1.055	0.974	0.974	0.861	0.787	0.778	0.760	0.884	13.23
10)	C	Phenol		1.675	1.639	1.747	1.643	1.559	1.622	1.595	1.640	3.65
11)		bis(2-Chloroet...		1.328	1.271	1.384	1.260	1.217	1.269	1.259	1.284	4.27
12)		1,3-Dichlorobe...		1.531	1.394	1.521	1.380	1.334	1.380	1.375	1.416	5.46
13)	C	1,4-Dichlorobe...		1.490	1.435	1.522	1.398	1.343	1.376	1.371	1.419	4.66
14)		1,2-Dichlorobe...		1.398	1.373	1.450	1.307	1.251	1.276	1.234	1.327	6.12
15)		Benzyl Alcohol		1.140	1.147	1.232	1.123	1.081	1.089	1.059	1.124	5.11
16)		2,2'-oxybis(1-...		1.827	1.781	1.892	1.746	1.689	1.717	1.719	1.767	4.05
17)		2-Methylphenol		1.168	1.154	1.220	1.136	1.105	1.143	1.154	1.154	3.06
18)		Hexachloroethane		0.512	0.491	0.533	0.495	0.479	0.492	0.490	0.499	3.59
19)	P	n-Nitroso-di-n...	0.944	0.959	0.915	0.961	0.878	0.846	0.865	0.879	0.906	4.97
20)		3+4-Methylphenols		1.563	1.482	1.565	1.389	1.302	1.301	1.252	1.408	9.23
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.492	0.465	0.485	0.442	0.408	0.412	0.401	0.443	8.52
23)	S	Nitrobenzene-d5		0.315	0.314	0.355	0.340	0.322	0.338	0.338	0.332	4.60
24)		Nitrobenzene		0.322	0.318	0.360	0.343	0.329	0.340	0.337	0.336	4.26
25)		Isophorone		0.627	0.612	0.657	0.622	0.601	0.621	0.644	0.626	3.02
26)	C	2-Nitrophenol		0.114	0.129	0.161	0.166	0.159	0.170	0.173	0.153	14.83
27)		2,4-Dimethylph...		0.286	0.284	0.309	0.295	0.276	0.287	0.288	0.289	3.56
28)		bis(2-Chloroet...		0.390	0.384	0.412	0.385	0.365	0.371	0.379	0.384	3.89
29)	C	2,4-Dichloroph...		0.265	0.261	0.295	0.280	0.263	0.274	0.271	0.273	4.30
30)		1,2,4-Trichlor...		0.306	0.296	0.320	0.300	0.283	0.290	0.288	0.298	4.23
31)		Naphthalene		1.022	0.975	1.047	0.966	0.914	0.928	0.899	0.964	5.76
32)		Benzoic acid			0.153	0.194	0.224	0.222	0.237	0.247	0.213	16.08
33)		4-Chloroaniline		0.436	0.418	0.454	0.425	0.403	0.413	0.408	0.422	4.20
34)	C	Hexachlorobuta...		0.174	0.166	0.185	0.173	0.163	0.166	0.166	0.171	4.38
35)		Caprolactam		0.082	0.081	0.094	0.091	0.088	0.091	0.094	0.089	6.10
36)	C	4-Chloro-3-met...		0.287	0.279	0.304	0.291	0.275	0.283	0.285	0.286	3.28
37)		2-Methylnaphth...		0.693	0.654	0.703	0.651	0.610	0.613	0.602	0.647	6.28
38)		1-Methylnaphth...		0.643	0.611	0.653	0.608	0.559	0.575	0.563	0.602	6.26

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF103023.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.595	0.574	0.612	0.577	0.540	0.547	0.548	0.570	4.75
41)	P	Hexachlorocycl...	0.261	0.270	0.321	0.321	0.308	0.321	0.330	0.305	9.06
42)	S	2,4,6-Tribromo...	0.200	0.213	0.227	0.222	0.208	0.213	0.212	0.213	4.19
43)	C	2,4,6-Trichlor...	0.362	0.360	0.392	0.385	0.363	0.366	0.376	0.372	3.43
44)		2,4,5-Trichlor...	0.418	0.413	0.463	0.439	0.416	0.431	0.435	0.431	4.09
45)	S	2-Fluorobiphenyl	1.441	1.357	1.398	1.228	1.142	1.122	1.095	1.255	11.37
46)		1,1'-Biphenyl	1.633	1.575	1.645	1.537	1.431	1.437	1.415	1.525	6.42
47)		2-Chloronaphth...	1.163	1.145	1.202	1.136	1.064	1.074	1.083	1.124	4.61
48)		2-Nitroaniline	0.267	0.292	0.352	0.358	0.342	0.351	0.366	0.333	11.28
49)		Acenaphthylene	1.801	1.790	1.886	1.777	1.669	1.678	1.671	1.753	4.73
50)		Dimethylphthalate	1.372	1.318	1.402	1.330	1.247	1.268	1.298	1.319	4.17
51)		2,6-Dinitrotol...	0.239	0.256	0.293	0.300	0.284	0.295	0.308	0.282	8.95
52)	C	Acenaphthene	1.177	1.160	1.194	1.131	1.050	1.041	1.049	1.115	5.95
53)		3-Nitroaniline	0.283	0.301	0.349	0.344	0.326	0.344	0.358	0.329	8.36
54)	P	2,4-Dinitrophenol		0.071	0.103	0.129	0.133	0.147	0.158	0.123	25.71
55)		Dibenzofuran	1.719	1.677	1.760	1.642	1.522	1.527	1.529	1.625	6.13
56)	P	4-Nitrophenol	0.193	0.217	0.251	0.264	0.252	0.268	0.279	0.246	12.46
57)		2,4-Dinitrotol...	0.275	0.323	0.377	0.386	0.373	0.382	0.383	0.357	11.86
58)		Fluorene	1.337	1.277	1.338	1.214	1.130	1.129	1.093	1.217	8.44
59)		2,3,4,6-Tetrac...	0.343	0.336	0.356	0.351	0.333	0.336	0.341	0.342	2.47
60)		Diethylphthalate	1.287	1.258	1.335	1.290	1.206	1.217	1.231	1.260	3.66
61)		4-Chlorophenyl...	0.684	0.645	0.663	0.602	0.554	0.556	0.549	0.607	9.31
62)		4-Nitroaniline	0.264	0.286	0.330	0.338	0.325	0.329	0.346	0.317	9.50
63)		Azobenzene	1.249	1.211	1.308	1.231	1.154	1.167	1.178	1.214	4.43
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.062	0.090	0.109	0.104	0.112	0.118	0.099	20.71
66)	c	n-Nitrosodiphe...	0.625	0.608	0.642	0.624	0.565	0.583	0.576	0.603	4.79
67)		4-Bromophenyl-...	0.207	0.204	0.222	0.220	0.199	0.206	0.209	0.210	4.02
68)		Hexachlorobenzene	0.226	0.218	0.235	0.235	0.211	0.221	0.222	0.224	3.94
69)		Atrazine	0.176	0.173	0.180	0.165	0.152	0.157	0.146	0.164	7.77
70)	C	Pentachlorophenol	0.118	0.130	0.151	0.156	0.147	0.152	0.153	0.144	9.97
71)		Phenanthrene	1.079	1.031	1.083	1.038	0.935	0.948	0.935	1.007	6.56
72)		Anthracene	1.082	1.057	1.122	1.062	0.958	0.986	0.958	1.032	6.28
73)		Carbazole	0.919	0.904	0.960	0.937	0.845	0.858	0.854	0.897	5.02
74)		Di-n-butylphth...	1.042	1.033	1.110	1.065	0.967	0.982	0.974	1.025	5.20
75)	C	Fluoranthene	1.089	1.049	1.126	1.079	0.973	0.977	0.949	1.035	6.59
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.482	0.296	0.408	0.467	0.324	0.367	0.385	0.390	17.64
78)		Pyrene	1.608	1.562	1.770	1.894	1.680	1.865	1.966	1.763	8.67
79)	S	Terphenyl-d14	1.271	1.226	1.341	1.365	1.197	1.299	1.310	1.287	4.66
80)		Butylbenzylpht...	0.535	0.542	0.636	0.676	0.641	0.683	0.705	0.631	10.75
81)		Benzo(a)anthra...	1.290	1.276	1.400	1.389	1.267	1.307	1.340	1.324	4.05
82)		3,3'-Dichlorob...	0.375	0.392	0.439	0.453	0.426	0.426	0.448	0.423	6.89
83)		Chrysene	1.257	1.227	1.368	1.361	1.270	1.293	1.352	1.304	4.32
84)		Bis(2-ethylhex...	0.665	0.675	0.774	0.784	0.732	0.754	0.763	0.735	6.44
85)	c	Di-n-octyl pht...	0.928	0.972	1.105	1.154	1.143	1.158	1.250	1.102	10.26

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF103023.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.052	1.058	1.300	1.444	1.336	1.458	1.502	1.307	14.21
88)		Benzo(b)fluora...	1.182	1.139	1.330	1.169	1.173	1.142	1.149	1.183	5.64
89)		Benzo(k)fluora...	1.192	1.232	1.254	1.176	1.123	1.095	1.125	1.171	5.10
90)	C	Benzo(a)pyrene	1.063	1.040	1.155	1.118	1.085	1.105	1.131	1.100	3.62
91)		Dibenzo(a,h)an...	0.856	0.871	1.085	1.184	1.097	1.184	1.217	1.071	13.93
92)		Benzo(g,h,i)pe...	0.885	0.870	1.096	1.235	1.139	1.235	1.275	1.105	15.14

(#) = Out of Range

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF110723.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Nov 08 02:12:01 2023
Response Via : Initial Calibration

Calibration Files
2.5 =BF136168.D 5 =BF136169.D 10 =BF136170.D 20 =BF136171.D 40 =BF136172.D 50 =BF136173.D 60 =BF136174.D 80 =BF1361
75.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.471	0.481	0.515	0.507	0.492	0.524	0.530	0.503	4.44
3)		Pyridine		1.331	1.245	1.379	1.354	1.327	1.386	1.439	1.352	4.50
4)		n-Nitrosodimet...		0.590	0.559	0.640	0.621	0.611	0.644	0.674	0.620	6.14
5)	S	2-Fluorophenol		1.273	1.217	1.325	1.244	1.194	1.270	1.269	1.256	3.40
6)		Aniline		2.010	1.900	2.095	1.942	1.869	1.960	1.938	1.959	3.81
7)	S	Phenol-d6		1.609	1.488	1.638	1.530	1.476	1.533	1.546	1.546	3.83
8)		2-Chlorophenol		1.412	1.319	1.452	1.337	1.287	1.327	1.331	1.352	4.29
9)		Benzaldehyde		1.035	0.925	0.979	0.859	0.801	0.827	0.830	0.894	9.83
10)	C	Phenol		1.720	1.670	1.823	1.678	1.635	1.650	1.641	1.688	3.91
11)		bis(2-Chloroet...		1.308	1.199	1.307	1.227	1.176	1.233	1.234	1.241	4.05
12)		1,3-Dichlorobe...		1.470	1.362	1.496	1.427	1.380	1.411	1.438	1.426	3.33
13)	C	1,4-Dichlorobe...		1.474	1.386	1.500	1.414	1.374	1.427	1.436	1.430	3.15
14)		1,2-Dichlorobe...		1.436	1.321	1.427	1.320	1.283	1.312	1.312	1.344	4.54
15)		Benzyl Alcohol		1.168	1.120	1.240	1.153	1.123	1.154	1.135	1.156	3.53
16)		2,2'-oxybis(1-...		1.709	1.580	1.714	1.601	1.548	1.594	1.599	1.621	3.99
17)		2-Methylphenol		1.181	1.081	1.184	1.115	1.080	1.120	1.137	1.128	3.77
18)		Hexachloroethane		0.533	0.497	0.557	0.517	0.502	0.521	0.527	0.522	3.86
19)	P	n-Nitroso-di-n...	0.897	0.927	0.879	0.953	0.870	0.851	0.880	0.883	0.892	3.67
20)		3+4-Methylphenols		1.566	1.402	1.521	1.381	1.328	1.331	1.327	1.408	6.93
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.485	0.458	0.482	0.464	0.439	0.451	0.454	0.462	3.61
23)	S	Nitrobenzene-d5		0.352	0.335	0.372	0.367	0.354	0.362	0.367	0.358	3.53
24)		Nitrobenzene		0.341	0.330	0.360	0.357	0.346	0.347	0.361	0.349	3.24
25)		Isophorone		0.603	0.584	0.637	0.633	0.612	0.622	0.639	0.619	3.26
26)	C	2-Nitrophenol		0.145	0.151	0.176	0.182	0.174	0.177	0.180	0.169	8.71
27)		2,4-Dimethylph...		0.268	0.270	0.297	0.297	0.279	0.288	0.288	0.284	4.18
28)		bis(2-Chloroet...		0.366	0.355	0.392	0.378	0.365	0.377	0.377	0.373	3.19
29)	C	2,4-Dichloroph...		0.264	0.266	0.290	0.288	0.270	0.279	0.280	0.277	3.81
30)		1,2,4-Trichlor...		0.309	0.299	0.319	0.315	0.299	0.306	0.311	0.308	2.48
31)		Naphthalene		1.005	0.961	1.033	1.007	0.949	0.975	0.966	0.985	3.07
32)		Benzoic acid			0.134	0.179	0.202	0.208	0.208	0.225	0.193	16.66
33)		4-Chloroaniline		0.397	0.390	0.429	0.429	0.397	0.409	0.408	0.409	3.80
34)	C	Hexachlorobuta...		0.190	0.176	0.195	0.194	0.185	0.186	0.186	0.187	3.45
35)		Caprolactam		0.075	0.074	0.083	0.084	0.082	0.082	0.080	0.080	5.02
36)	C	4-Chloro-3-met...		0.276	0.274	0.305	0.306	0.288	0.293	0.292	0.291	4.32
37)		2-Methylnaphth...		0.677	0.644	0.694	0.677	0.637	0.647	0.647	0.661	3.32
38)		1-Methylnaphth...		0.627	0.600	0.643	0.628	0.589	0.600	0.602	0.613	3.20

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF110723.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.608	0.587	0.622	0.618	0.554	0.595	0.612	0.599	3.91
41)	P	Hexachlorocycl...	0.234	0.263	0.311	0.338	0.314	0.342	0.362	0.309	14.82
42)	S	2,4,6-Tribromo...	0.204	0.199	0.222	0.226	0.202	0.208	0.204	0.209	5.05
43)	C	2,4,6-Trichlor...	0.361	0.357	0.387	0.397	0.357	0.381	0.388	0.375	4.49
44)		2,4,5-Trichlor...	0.431	0.396	0.438	0.456	0.417	0.441	0.447	0.432	4.66
45)	S	2-Fluorobiphenyl	1.459	1.361	1.438	1.377	1.245	1.277	1.314	1.353	5.88
46)		1,1'-Biphenyl	1.633	1.544	1.655	1.625	1.462	1.524	1.543	1.569	4.45
47)		2-Chloronaphth...	1.146	1.131	1.203	1.190	1.077	1.124	1.159	1.147	3.70
48)		2-Nitroaniline	0.324	0.322	0.364	0.375	0.338	0.357	0.368	0.350	6.22
49)		Acenaphthylene	1.789	1.721	1.853	1.841	1.678	1.753	1.759	1.771	3.54
50)		Dimethylphthalate	1.367	1.317	1.436	1.410	1.279	1.318	1.332	1.351	4.14
51)		2,6-Dinitrotol...	0.271	0.278	0.308	0.315	0.285	0.294	0.301	0.293	5.45
52)	C	Acenaphthene	1.139	1.138	1.229	1.244	1.128	1.186	1.192	1.179	3.91
53)		3-Nitroaniline	0.286	0.294	0.329	0.339	0.308	0.315	0.318	0.313	5.99
54)	P	2,4-Dinitrophenol		0.070	0.103	0.135	0.127	0.135	0.147	0.120	23.60
55)		Dibenzofuran	1.676	1.619	1.717	1.719	1.538	1.599	1.610	1.640	4.07
56)	P	4-Nitrophenol	0.159	0.174	0.220	0.235	0.219	0.218	0.229	0.208	13.96
57)		2,4-Dinitrotol...	0.336	0.355	0.395	0.410	0.361	0.377	0.372	0.372	6.69
58)		Fluorene	1.288	1.264	1.336	1.299	1.152	1.188	1.185	1.244	5.57
59)		2,3,4,6-Tetrac...	0.305	0.307	0.356	0.354	0.320	0.325	0.326	0.328	6.26
60)		Diethylphthalate	1.528	1.381	1.432	1.395	1.245	1.260	1.249	1.356	8.01
61)		4-Chlorophenyl...	0.671	0.633	0.687	0.658	0.576	0.605	0.598	0.633	6.56
62)		4-Nitroaniline	0.263	0.257	0.299	0.321	0.282	0.283	0.289	0.285	7.53
63)		Azobenzene	1.183	1.155	1.252	1.266	1.119	1.175	1.153	1.186	4.55
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.075	0.099	0.114	0.111	0.116	0.122	0.106	16.02
66)	c	n-Nitrosodiphe...	0.614	0.602	0.660	0.655	0.599	0.644	0.668	0.635	4.57
67)		4-Bromophenyl-...	0.211	0.204	0.229	0.236	0.215	0.228	0.236	0.223	5.68
68)		Hexachlorobenzene	0.227	0.225	0.240	0.247	0.229	0.238	0.249	0.236	4.19
69)		Atrazine	0.179	0.165	0.176	0.162	0.149	0.151	0.143	0.161	8.65
70)	C	Pentachlorophenol	0.101	0.112	0.135	0.148	0.136	0.142	0.152	0.132	14.14
71)		Phenanthrene	1.035	1.002	1.081	1.064	0.962	1.000	1.025	1.024	3.96
72)		Anthracene	1.043	1.007	1.101	1.089	0.995	1.030	1.052	1.045	3.75
73)		Carbazole	0.826	0.802	0.897	0.886	0.798	0.816	0.840	0.838	4.68
74)		Di-n-butylphth...	0.990	0.952	1.052	1.057	0.970	0.950	0.966	0.991	4.55
75)	C	Fluoranthene	0.963	0.908	1.003	1.008	0.897	0.874	0.896	0.935	5.89
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.424	0.381	0.375	0.291	0.299	0.307	0.346	15.79
78)		Pyrene	1.866	1.841	2.075	1.958	1.789	1.791	1.773	1.870	5.89
79)	S	Terphenyl-d14	1.455	1.428	1.600	1.462	1.314	1.323	1.281	1.409	7.91
80)		Butylbenzylpht...	0.538	0.523	0.640	0.659	0.607	0.589	0.615	0.596	8.38
81)		Benzo(a)anthra...	1.264	1.236	1.387	1.387	1.289	1.327	1.396	1.327	4.94
82)		3,3'-Dichlorob...	0.361	0.367	0.427	0.464	0.432	0.450	0.481	0.426	10.81
83)		Chrysene	1.252	1.201	1.346	1.345	1.250	1.293	1.396	1.298	5.26
84)		Bis(2-ethylhex...	0.669	0.641	0.737	0.794	0.736	0.714	0.744	0.719	7.05
85)	c	Di-n-octyl pht...		0.916	1.101	1.286	1.214	1.282	1.427	1.204	14.67

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF110723.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.261	1.372	1.568	1.510	1.434	1.546	1.567	1.465	7.91
88)		Benzo(b)fluora...	1.060	1.021	1.129	1.171	1.071	1.092	1.184	1.104	5.42
89)		Benzo(k)fluora...	1.073	1.046	1.196	1.161	1.068	1.122	1.116	1.112	4.83
90)	C	Benzo(a)pyrene	0.963	1.013	1.138	1.143	1.076	1.125	1.165	1.089	6.94
91)		Dibenzo(a,h)an...	1.063	1.143	1.304	1.253	1.195	1.265	1.278	1.214	7.07
92)		Benzo(g,h,i)pe...	1.067	1.170	1.331	1.255	1.208	1.290	1.298	1.231	7.39

(#) = Out of Range

Response Factor Report gcms1

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM103023.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Oct 31 02:55:18 2023
Response Via : Initial Calibration

Calibration Files
2.5 =BM042488.D 5 =BM042489.D 10 =BM042490.D 20 =BM042491.D 40 =BM042492.D 50 =BM042493.D 60 =BM042494.D 80 =BM0424
95.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.585	0.580	0.630	0.585	0.570	0.594	0.590	0.591	3.25
3)		Pyridine		1.666	1.580	1.781	1.681	1.674	1.709	1.767	1.694	4.00
4)		n-Nitrosodimet...		0.783	0.744	0.841	0.812	0.808	0.840	0.878	0.815	5.36
5)	S	2-Fluorophenol		1.147	1.153	1.298	1.240	1.243	1.273	1.321	1.239	5.44
6)		Aniline		1.951	1.957	2.253	2.188	2.191	2.240	2.344	2.160	6.95
7)	S	Phenol-d6		1.520	1.550	1.786	1.717	1.715	1.770	1.838	1.700	7.07
8)		2-Chlorophenol		1.255	1.216	1.398	1.330	1.349	1.371	1.435	1.336	5.80
9)		Benzaldehyde		1.137	1.043	1.068	0.954	0.911	0.877	0.867	0.980	10.64
10)	C	Phenol		1.590	1.581	1.811	1.723	1.737	1.773	1.868	1.726	6.23
11)		bis(2-Chloroet...		1.403	1.399	1.517	1.439	1.447	1.489	1.526	1.460	3.55
12)		1,3-Dichlorobe...		1.420	1.362	1.505	1.421	1.414	1.468	1.520	1.444	3.86
13)	C	1,4-Dichlorobe...		1.455	1.368	1.523	1.428	1.443	1.470	1.543	1.462	4.01
14)		1,2-Dichlorobe...		1.387	1.343	1.455	1.383	1.389	1.434	1.487	1.411	3.50
15)		Benzyl Alcohol		0.933	1.010	1.184	1.256	1.273	1.328	1.437	1.203	14.73
16)		2,2'-oxybis(1-...		2.316	2.191	2.408	2.286	2.286	2.349	2.431	2.324	3.51
17)		2-Methylphenol		1.102	1.094	1.250	1.232	1.245	1.284	1.348	1.222	7.61
18)		Hexachloroethane		0.542	0.515	0.594	0.565	0.570	0.596	0.622	0.572	6.32
19)	P	n-Nitroso-di-n...	0.986	1.080	1.102	1.262	1.245	1.271	1.300	1.371	1.202	10.88
20)		3+4-Methylphenols		1.370	1.413	1.687	1.681	1.688	1.751	1.850	1.634	10.80
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.448	0.469	0.517	0.525	0.497	0.522	0.553	0.504	7.09
23)	S	Nitrobenzene-d5		0.365	0.384	0.436	0.453	0.430	0.455	0.480	0.429	9.52
24)		Nitrobenzene		0.368	0.380	0.440	0.444	0.420	0.442	0.463	0.423	8.39
25)		Isophorone		0.668	0.662	0.757	0.805	0.764	0.800	0.860	0.759	9.56
26)	C	2-Nitrophenol		0.120	0.132	0.158	0.175	0.167	0.180	0.192	0.161	16.23
27)		2,4-Dimethylph...		0.250	0.258	0.299	0.307	0.291	0.305	0.324	0.291	9.31
28)		bis(2-Chloroet...		0.408	0.411	0.471	0.481	0.458	0.474	0.499	0.457	7.63
29)	C	2,4-Dichloroph...		0.235	0.246	0.288	0.310	0.295	0.308	0.331	0.287	12.10
30)		1,2,4-Trichlor...		0.291	0.290	0.322	0.327	0.309	0.323	0.343	0.315	6.21
31)		Naphthalene		0.966	0.958	1.054	1.075	1.007	1.060	1.113	1.033	5.61
32)		Benzoic acid			0.157	0.211	0.230	0.226	0.248		0.215	16.17
33)		4-Chloroaniline		0.305	0.343	0.402	0.446	0.419	0.439	0.467	0.403	14.54
34)	C	Hexachlorobuta...		0.178	0.171	0.191	0.196	0.189	0.201	0.212	0.191	7.18
35)		Caprolactam			0.077	0.093	0.108	0.102	0.108	0.118	0.101	13.98
36)	C	4-Chloro-3-met...		0.263	0.280	0.323	0.353	0.336	0.353	0.382	0.327	12.97
37)		2-Methylnaphth...		0.663	0.654	0.736	0.766	0.719	0.752	0.805	0.728	7.48
38)		1-Methylnaphth...		0.621	0.620	0.693	0.717	0.679	0.706	0.759	0.685	7.39

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM103023.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.539	0.540	0.604	0.616	0.589	0.622	0.672	0.597	7.89
41)	P	Hexachlorocycl...		0.225	0.285	0.316	0.311	0.344	0.373	0.309	16.53
42)	S	2,4,6-Tribromo...		0.203	0.251	0.272	0.261	0.278	0.302	0.261	12.82
43)	C	2,4,6-Trichlor...	0.309	0.329	0.388	0.408	0.386	0.413	0.445	0.383	12.55
44)		2,4,5-Trichlor...	0.384	0.393	0.458	0.485	0.458	0.483	0.526	0.455	11.21
45)	S	2-Fluorobiphenyl	1.372	1.363	1.514	1.537	1.454	1.536	1.628	1.486	6.46
46)		1,1'-Biphenyl	1.411	1.400	1.561	1.602	1.496	1.567	1.664	1.529	6.41
47)		2-Chloronaphth...	1.018	1.047	1.148	1.177	1.097	1.148	1.216	1.122	6.32
48)		2-Nitroaniline	0.252	0.296	0.375	0.444	0.421	0.449	0.490	0.390	22.36
49)		Acenaphthylene	1.626	1.651	1.902	1.977	1.856	1.930	2.060	1.857	8.76
50)		Dimethylphthalate	1.336	1.355	1.522	1.589	1.472	1.543	1.648	1.495	7.77
51)		2,6-Dinitrotol...	0.248	0.262	0.312	0.334	0.315	0.332	0.353	0.308	12.67
52)	C	Acenaphthene	1.028	1.019	1.150	1.184	1.115	1.158	1.237	1.127	7.11
53)		3-Nitroaniline	0.182	0.216	0.295	0.335	0.322	0.348	0.372	0.296	24.02
54)	P	2,4-Dinitrophenol		0.101	0.149	0.195	0.187	0.207	0.227	0.177	25.69
55)		Dibenzofuran	1.644	1.661	1.868	1.929	1.809	1.894	2.025	1.833	7.62
56)	P	4-Nitrophenol		0.142	0.207	0.250	0.242	0.267	0.290	0.233	22.52
57)		2,4-Dinitrotol...	0.274	0.321	0.407	0.456	0.434	0.462	0.504	0.408	20.19
58)		Fluorene	1.305	1.336	1.493	1.580	1.472	1.548	1.647	1.483	8.45
59)		2,3,4,6-Tetrac...	0.317	0.334	0.388	0.410	0.385	0.409	0.441	0.384	11.46
60)		Diethylphthalate	1.305	1.327	1.547	1.629	1.519	1.586	1.688	1.514	9.65
61)		4-Chlorophenyl...	0.645	0.651	0.751	0.793	0.747	0.794	0.862	0.749	10.50
62)		4-Nitroaniline	0.103	0.154	0.238	0.295	0.286	0.314	0.338	0.247	35.45
63)		Azobenzene	1.331	1.442	1.725	1.831	1.711	1.780	1.862	1.669	12.14
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.078	0.105	0.126	0.121	0.129	0.140	0.117	18.93
66)	c	n-Nitrosodiphe...	0.491	0.505	0.571	0.606	0.564	0.586	0.625	0.564	8.80
67)		4-Bromophenyl-...	0.171	0.174	0.197	0.214	0.199	0.211	0.233	0.200	11.00
68)		Hexachlorobenzene	0.198	0.197	0.220	0.235	0.219	0.230	0.249	0.221	8.53
69)		Atrazine	0.146	0.154	0.171	0.173	0.161	0.167	0.167	0.163	5.97
70)	C	Pentachlorophenol		0.127	0.151	0.170	0.163	0.175	0.190	0.163	13.25
71)		Phenanthrene	0.944	0.942	1.047	1.116	1.031	1.077	1.158	1.045	7.81
72)		Anthracene	0.881	0.893	1.027	1.133	1.042	1.093	1.178	1.035	10.96
73)		Carbazole	0.666	0.728	0.838	0.975	0.901	0.945		0.842	14.62
74)		Di-n-butylphth...	0.934	1.000	1.183	1.302	1.219	1.271	1.370	1.183	13.53
75)	C	Fluoranthene	1.009	1.067	1.216	1.329	1.235	1.312	1.425	1.228	11.99
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.187	0.205	0.197	0.196	0.171	0.197	0.190	0.192	5.68
78)		Pyrene	1.173	1.149	1.321	1.436	1.428	1.496	1.610	1.373	12.31
79)	S	Terphenyl-d14	0.946	0.958	1.143	1.267	1.243	1.308	1.392	1.180	14.62
80)		Butylbenzylpht...	0.470	0.472	0.578	0.634	0.625	0.635	0.692	0.587	14.62
81)		Benzo(a)anthra...	1.097	1.111	1.258	1.319	1.276	1.360	1.486	1.273	10.75
82)		3,3'-Dichlorob...	0.330	0.362	0.410	0.438	0.408	0.431	0.452	0.404	10.87
83)		Chrysene	1.212	1.205	1.293	1.333	1.265	1.312	1.428	1.293	5.94
84)		Bis(2-ethylhex...	0.767	0.791	0.895	0.933	0.886	0.933	0.999	0.886	9.26
85)	c	Di-n-octyl pht...	1.376	1.402	1.561	1.577	1.514	1.568	1.683	1.526	6.99

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM103023.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	0.989	0.957	1.144	1.243	1.257	1.328	1.414	1.190	14.29
88)		Benzo(b)fluora...	0.920	0.971	1.059	1.163	1.151	1.232	1.304	1.114	12.40
89)		Benzo(k)fluora...	1.162	1.093	1.233	1.237	1.240	1.312	1.414	1.242	8.28
90)	C	Benzo(a)pyrene	0.871	0.977	1.095	1.141	1.124	1.202	1.268	1.097	12.25
91)		Dibenzo(a,h)an...	0.709	0.755	0.962	1.036	1.020	1.086	1.199	0.967	18.26
92)		Benzo(g,h,i)pe...	0.896	0.912	1.040	1.065	1.080	1.146	1.205	1.049	10.80

(#) = Out of Range

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: RMJE02

Lab Code: CHEM Case No.: 05252 SAS No.: 05252 SDG No.: 05252

Instrument ID: BNA_F Calibration Date/Time: 11/06/2023 12:01

Lab File ID: BF136149.D Init. Calib. Date(s): 10/30/2023 10/30/2023

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:02 15:51

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.273	1.234		-3.1	
Benzaldehyde	0.884	0.876		-0.9	
Phenol-d6	1.586	1.540		-2.9	
Phenol	1.640	1.577		-3.8	20.0
bis(2-Chloroethyl)ether	1.284	1.216		-5.3	
2-Chlorophenol	1.361	1.326		-2.6	
2-Methylphenol	1.154	1.114		-3.5	
2,2-oxybis(1-Chloropropane)	1.767	1.622		-8.2	
Acetophenone	0.443	0.452		2.0	
3+4-Methylphenols	1.408	1.371		-2.6	
n-Nitroso-di-n-propylamine	0.906	0.869	0.050	-4.1	
Nitrobenzene-d5	0.332	0.361		8.7	
Hexachloroethane	0.499	0.510		2.2	
Nitrobenzene	0.336	0.355		5.7	
Isophorone	0.626	0.631		0.8	
2-Nitrophenol	0.153	0.177		15.7	20.0
2,4-Dimethylphenol	0.289	0.293		1.4	
bis(2-Chloroethoxy)methane	0.384	0.378		-1.6	
2,4-Dichlorophenol	0.273	0.286		4.8	20.0
Naphthalene	0.964	0.994		3.1	
4-Chloroaniline	0.422	0.427		1.2	
Hexachlorobutadiene	0.171	0.186		8.8	20.0
Caprolactam	0.089	0.090		1.1	
4-Chloro-3-methylphenol	0.286	0.304		6.3	20.0
2-Methylnaphthalene	0.647	0.672		3.9	
Hexachlorocyclopentadiene	0.305	0.322	0.050	5.6	
2,4,6-Trichlorophenol	0.372	0.385		3.5	20.0
2-Fluorobiphenyl	1.255	1.326		5.7	
2,4,5-Trichlorophenol	0.431	0.457		6.0	
1,1-Biphenyl	1.525	1.587		4.1	
2-Chloronaphthalene	1.124	1.175		4.5	
2-Nitroaniline	0.333	0.383		15.0	
Dimethylphthalate	1.319	1.394		5.7	
Acenaphthylene	1.753	1.834		4.6	
2,6-Dinitrotoluene	0.282	0.317		12.4	
3-Nitroaniline	0.329	0.351		6.7	
Acenaphthene	1.115	1.149		3.0	20.0
2,4-Dinitrophenol	0.123	0.138	0.050	12.2	
4-Nitrophenol	0.246	0.255	0.050	3.7	
Dibenzofuran	1.625	1.706		5.0	
2,4-Dinitrotoluene	0.357	0.417		16.8	

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: RMJE02

Lab Code: CHEM Case No.: 05252 SAS No.: 05252 SDG No.: 05252

Instrument ID: BNA_F Calibration Date/Time: 11/06/2023 12:01

Lab File ID: BF136149.D Init. Calib. Date(s): 10/30/2023 10/30/2023

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:02 15:51

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Diethylphthalate	1.260	1.418		12.5	
4-Chlorophenyl-phenylether	0.607	0.642		5.8	
Fluorene	1.217	1.294		6.3	
4-Nitroaniline	0.317	0.331		4.4	
4,6-Dinitro-2-methylphenol	0.099	0.115		16.2	
n-Nitrosodiphenylamine	0.603	0.624		3.5	20.0
2,4,6-Tribromophenol	0.213	0.230		8.0	
4-Bromophenyl-phenylether	0.210	0.227		8.1	
Hexachlorobenzene	0.224	0.238		6.3	
Atrazine	0.164	0.161		-1.8	
Pentachlorophenol	0.144	0.150		4.2	20.0
Phenanthrene	1.007	1.046		3.9	
Anthracene	1.032	1.095		6.1	
Carbazole	0.897	0.920		2.6	
Di-n-butylphthalate	1.025	1.097		7.0	
Fluoranthene	1.035	1.057		2.1	20.0
Pyrene	1.763	2.060		16.8	
Terphenyl-d14	1.287	1.521		18.2	
Butylbenzylphthalate	0.631	0.713		13.0	
3,3-Dichlorobenzidine	0.423	0.447		5.7	
Benzo(a)anthracene	1.324	1.394		5.3	
Chrysene	1.304	1.333		2.2	
Bis(2-ethylhexyl)phthalate	0.735	0.779		6.0	
Di-n-octyl phthalate	1.102	1.114		1.1	20.0
Benzo(b)fluoranthene	1.183	1.176		-0.6	
Benzo(k)fluoranthene	1.171	1.072		-8.5	
Benzo(a)pyrene	1.100	1.110		0.9	20.0
Indeno(1,2,3-cd)pyrene	1.307	1.535		17.4	
Dibenzo(a,h)anthracene	1.071	1.263		17.9	
Benzo(g,h,i)perylene	1.105	1.276		15.5	
1,2,4,5-Tetrachlorobenzene	0.570	0.601		5.4	
1,4-Dioxane	0.554	0.512		-7.6	20.0
2,3,4,6-Tetrachlorophenol	0.342	0.362		5.8	

All other compounds must meet a minimum RRF of 0.010.

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: RMJE02

Lab Code: CHEM Case No.: 05252 SAS No.: 05252 SDG No.: 05252

Instrument ID: BNA_M Calibration Date/Time: 11/10/2023 11:22

Lab File ID: BM042685.D Init. Calib. Date(s): 10/30/2023 10/30/2023

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:04 15:18

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.239	1.163		-6.1	
Benzaldehyde	0.980	1.175		19.9	
Phenol-d6	1.700	1.798		5.8	
Phenol	1.726	1.724		-0.1	20.0
bis(2-Chloroethyl)ether	1.460	1.455		-0.3	
2-Chlorophenol	1.336	1.337		0.1	
2-Methylphenol	1.222	1.303		6.6	
2,2-oxybis(1-Chloropropane)	2.325	2.460		5.8	
Acetophenone	0.504	0.539		6.9	
3+4-Methylphenols	1.634	1.835		12.3	
n-Nitroso-di-n-propylamine	1.202	1.519	0.050	26.4	
Nitrobenzene-d5	0.429	0.496		15.6	
Hexachloroethane	0.572	0.635		11.0	
Nitrobenzene	0.423	0.469		10.9	
Isophorone	0.759	0.909		19.8	
2-Nitrophenol	0.161	0.187		16.1	20.0
2,4-Dimethylphenol	0.291	0.290		-0.3	
bis(2-Chloroethoxy)methane	0.457	0.475		3.9	
2,4-Dichlorophenol	0.287	0.333		16.0	20.0
Naphthalene	1.033	1.074		4.0	
4-Chloroaniline	0.403	0.441		9.4	
Hexachlorobutadiene	0.191	0.262		37.2	20.0
Caprolactam	0.101	0.100		-1.0	
4-Chloro-3-methylphenol	0.327	0.379		15.9	20.0
2-Methylnaphthalene	0.728	0.818		12.4	
Hexachlorocyclopentadiene	0.309	0.430	0.050	39.2	
2,4,6-Trichlorophenol	0.383	0.433		13.1	20.0
2-Fluorobiphenyl	1.486	1.763		18.6	
2,4,5-Trichlorophenol	0.455	0.519		14.1	
1,1-Biphenyl	1.529	1.587		3.8	
2-Chloronaphthalene	1.122	1.144		2.0	
2-Nitroaniline	0.390	0.443		13.6	
Dimethylphthalate	1.495	1.621		8.4	
Acenaphthylene	1.857	1.949		5.0	
2,6-Dinitrotoluene	0.308	0.330		7.1	
3-Nitroaniline	0.296	0.287		-3.0	
Acenaphthene	1.127	1.154		2.4	20.0
2,4-Dinitrophenol	0.177	0.157	0.050	-11.3	
4-Nitrophenol	0.233	0.208	0.050	-10.7	
Dibenzofuran	1.833	1.994		8.8	
2,4-Dinitrotoluene	0.408	0.479		17.4	

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: RMJE02

Lab Code: CHEM Case No.: 05252 SAS No.: 05252 SDG No.: 05252

Instrument ID: BNA_M Calibration Date/Time: 11/10/2023 11:22

Lab File ID: BM042685.D Init. Calib. Date(s): 10/30/2023 10/30/2023

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:04 15:18

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Diethylphthalate	1.514	1.657		9.4	
4-Chlorophenyl-phenylether	0.749	0.920		22.8	
Fluorene	1.483	1.643		10.8	
4-Nitroaniline	0.247	0.258		4.5	
4,6-Dinitro-2-methylphenol	0.117	0.125		6.8	
n-Nitrosodiphenylamine	0.564	0.634		12.4	20.0
2,4,6-Tribromophenol	0.261	0.317		21.5	
4-Bromophenyl-phenylether	0.200	0.252		26.0	
Hexachlorobenzene	0.221	0.272		23.1	
Atrazine	0.163	0.169		3.7	
Pentachlorophenol	0.163	0.169		3.7	20.0
Phenanthrene	1.045	1.082		3.5	
Anthracene	1.035	1.118		8.0	
Carbazole	0.842	0.862		2.4	
Di-n-butylphthalate	1.183	1.321		11.7	
Fluoranthene	1.228	1.212		-1.3	20.0
Pyrene	1.373	1.573		14.6	
Terphenyl-d14	1.180	1.570		33.1	
Butylbenzylphthalate	0.587	0.674		14.8	
3,3-Dichlorobenzidine	0.404	0.469		16.1	
Benzo(a)anthracene	1.273	1.359		6.8	
Chrysene	1.293	1.328		2.7	
Bis(2-ethylhexyl)phthalate	0.886	1.014		14.4	
Di-n-octyl phthalate	1.526	1.584		3.8	20.0
Benzo(b)fluoranthene	1.114	1.127		1.2	
Benzo(k)fluoranthene	1.242	1.242		0.0	
Benzo(a)pyrene	1.097	1.133		3.3	20.0
Indeno(1,2,3-cd)pyrene	1.190	1.370		15.1	
Dibenzo(a,h)anthracene	0.967	1.164		20.4	
Benzo(g,h,i)perylene	1.049	1.087		3.6	
1,2,4,5-Tetrachlorobenzene	0.597	0.691		15.7	
1,4-Dioxane	0.591	0.515		-12.9	20.0
2,3,4,6-Tetrachlorophenol	0.384	0.432		12.5	

All other compounds must meet a minimum RRF of 0.010.

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A
B
C
D
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K

SAMPLE RAW DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042698.D
Acq On : 10 Nov 2023 19:10
Operator : MA/JU
Sample : 05252-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WASTE

Quant Time: Nov 10 23:04:46 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 09 13:21:00 2023
Response via : Initial Calibration

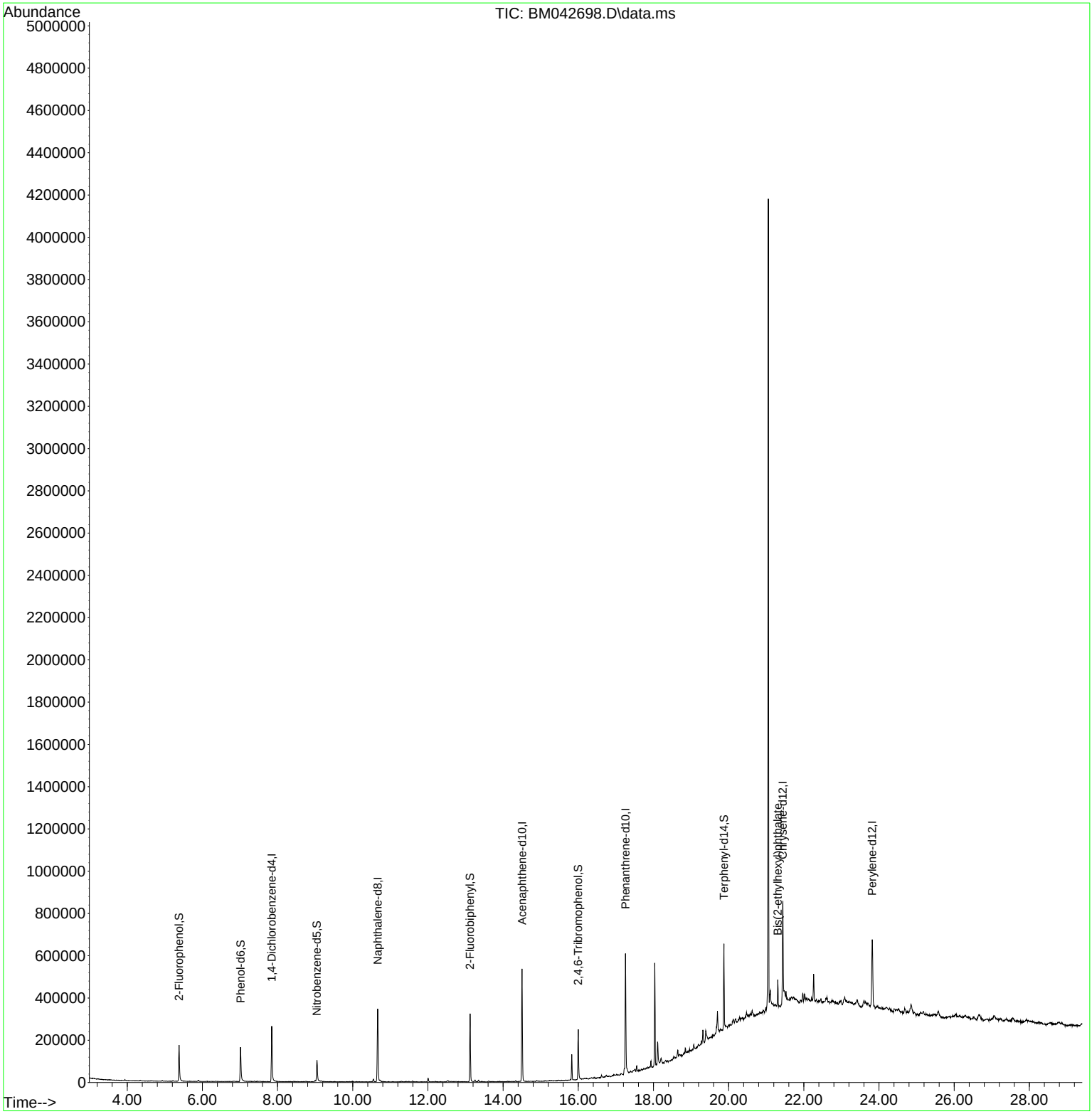
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.846	152	62722	20.000	ng	0.00
21) Naphthalene-d8	10.663	136	245261	20.000	ng	0.00
39) Acenaphthene-d10	14.504	164	160144	20.000	ng	0.00
64) Phenanthrene-d10	17.257	188	307838	20.000	ng	# 0.00
76) Chrysene-d12	21.439	240	232800	20.000	ng	0.00
86) Perylene-d12	23.821	264	261247	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	67095	17.264	ng	0.00
7) Phenol-d6	7.016	99	86544	16.237	ng	0.00
23) Nitrobenzene-d5	9.045	82	63759	12.119	ng	0.00
42) 2,4,6-Tribromophenol	15.998	330	38753	18.535	ng	0.00
45) 2-Fluorobiphenyl	13.122	172	149455	12.558	ng	0.00
79) Terphenyl-d14	19.874	244	175307	12.769	ng	0.00
Target Compounds						Qvalue
84) Bis(2-ethylhexyl)phtha...	21.309	149	38787	3.759	ng	99

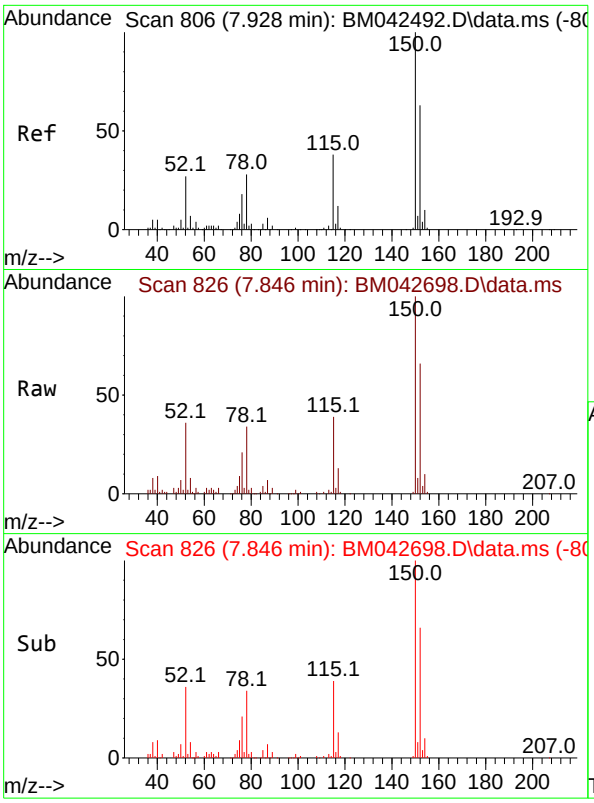
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042698.D
Acq On : 10 Nov 2023 19:10
Operator : MA/JU
Sample : 05252-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WASTE

Quant Time: Nov 10 23:04:46 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 09 13:21:00 2023
Response via : Initial Calibration



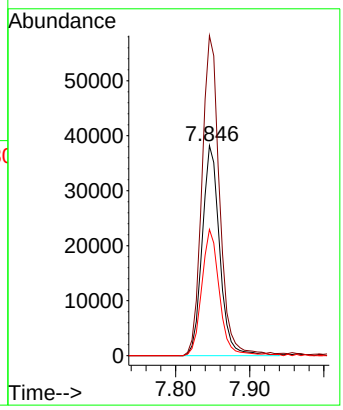


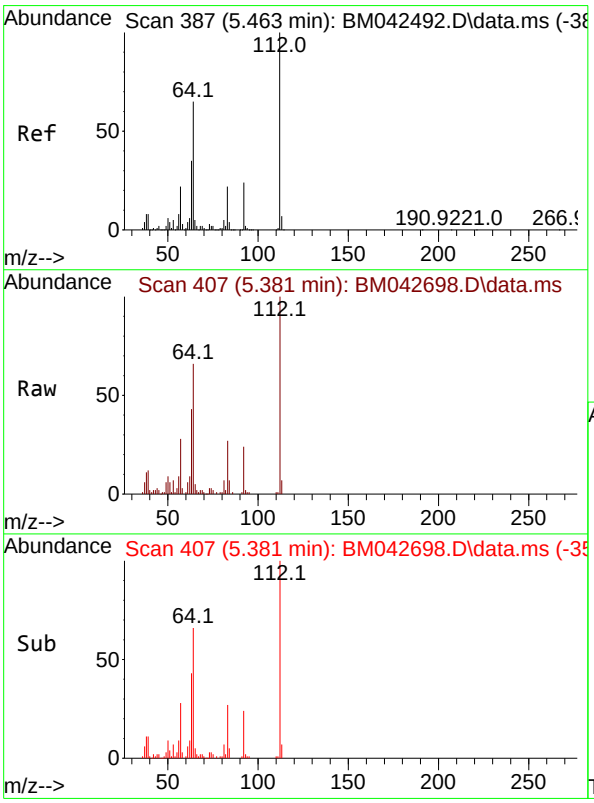
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.846 min Scan# 8
Delta R.T. 0.001 min
Lab File: BM042698.D
Acq: 10 Nov 2023 19:10

Instrument :
BNA_M
ClientSampleId :
WASTE

Tgt Ion:152 Resp: 62722

Ion	Ratio	Lower	Upper
152	100		
150	152.4	127.4	191.0
115	60.1	47.9	71.9

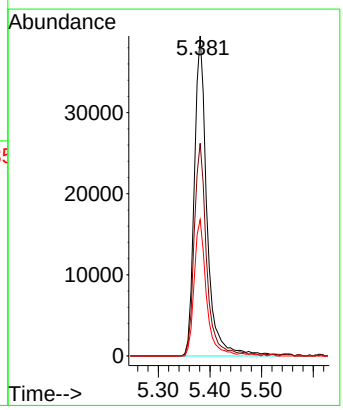


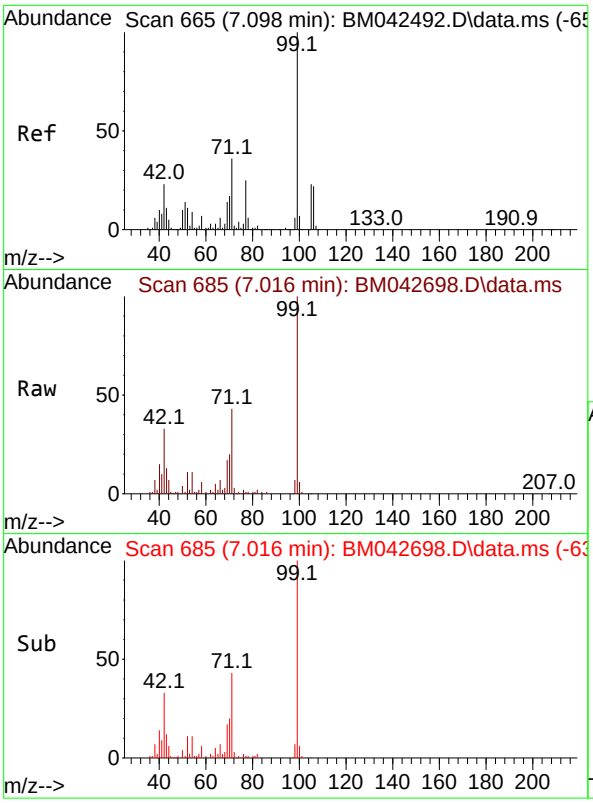


#5
2-Fluorophenol
Concen: 17.264 ng
RT: 5.381 min Scan# 407
Delta R.T. 0.006 min
Lab File: BM042698.D
Acq: 10 Nov 2023 19:10

Tgt Ion:112 Resp: 67095

Ion	Ratio	Lower	Upper
112	100		
64	66.5	52.1	78.1
63	42.6	28.3	42.5#



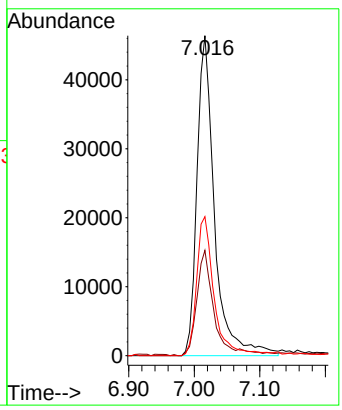


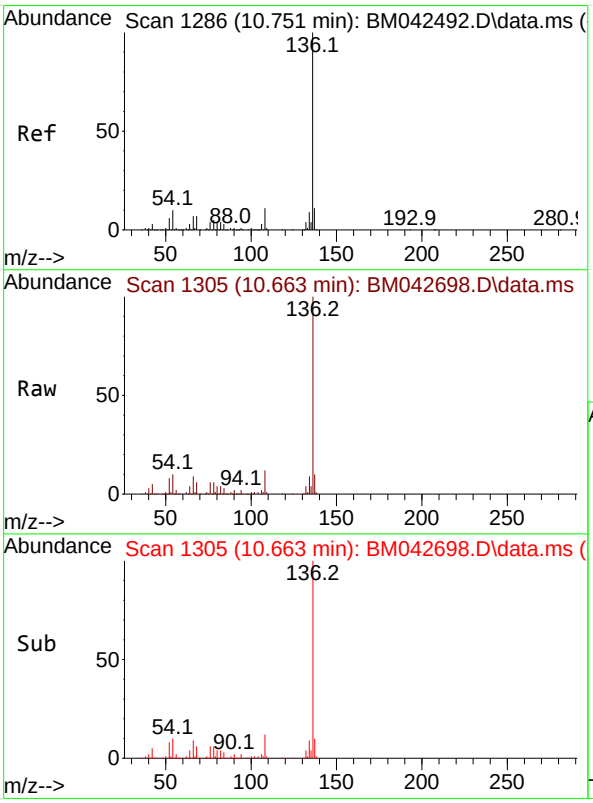
#7
Phenol-d6
Concen: 16.237 ng
RT: 7.016 min Scan# 6
Delta R.T. 0.006 min
Lab File: BM042698.D
Acq: 10 Nov 2023 19:10

Instrument :
BNA_M
ClientSampleId :
WASTE

Tgt Ion: 99 Resp: 86544

Ion	Ratio	Lower	Upper
99	100		
42	32.9	18.7	28.1#
71	43.4	29.1	43.7

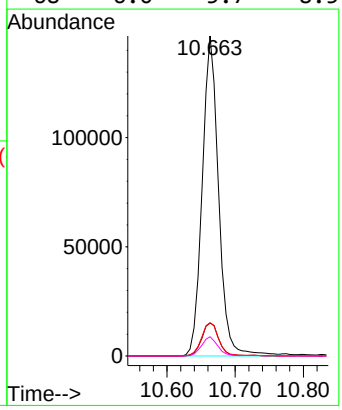


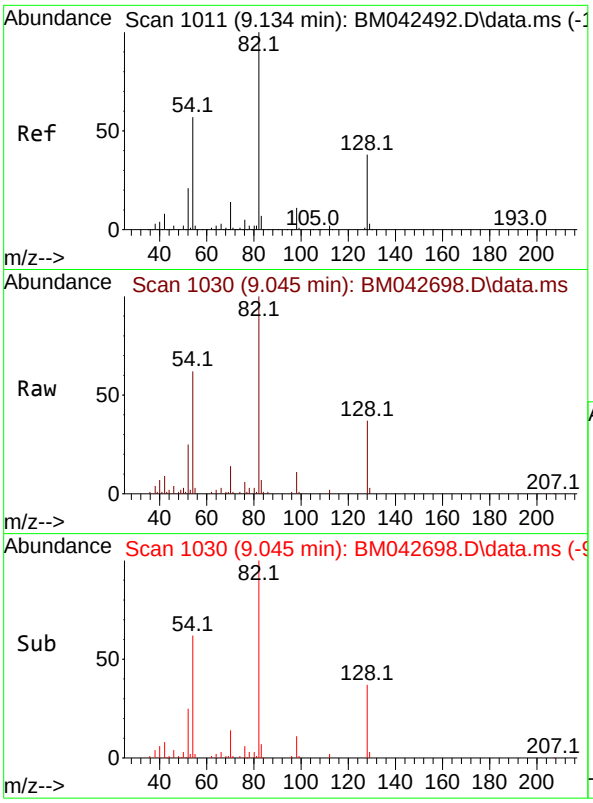


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.663 min Scan# 1305
Delta R.T. 0.000 min
Lab File: BM042698.D
Acq: 10 Nov 2023 19:10

Tgt Ion:136 Resp: 245261

Ion	Ratio	Lower	Upper
136	100		
137	10.3	9.0	13.6
54	10.4	8.0	12.0
68	6.0	5.7	8.5



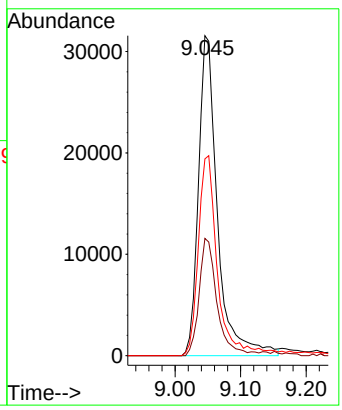


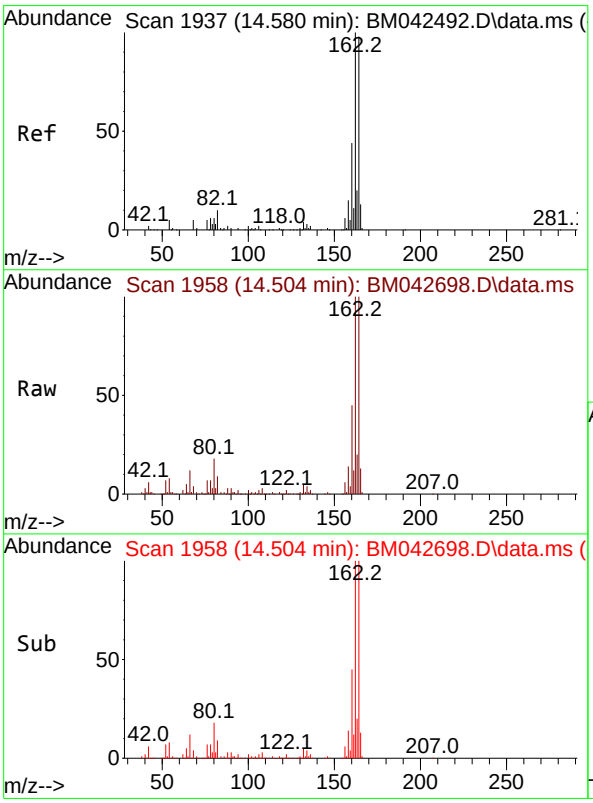
#23
Nitrobenzene-d5
Concen: 12.119 ng
RT: 9.045 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM042698.D
Acq: 10 Nov 2023 19:10

Instrument :
BNA_M
ClientSampleId :
WASTE

Tgt Ion: 82 Resp: 63759

Ion	Ratio	Lower	Upper
82	100		
128	36.7	30.7	46.1
54	61.5	45.3	67.9

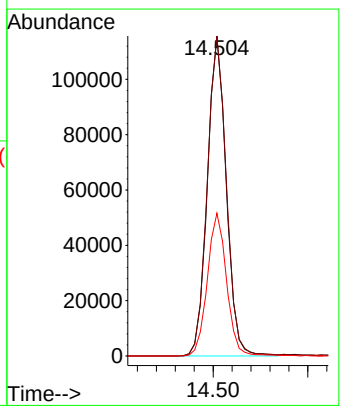


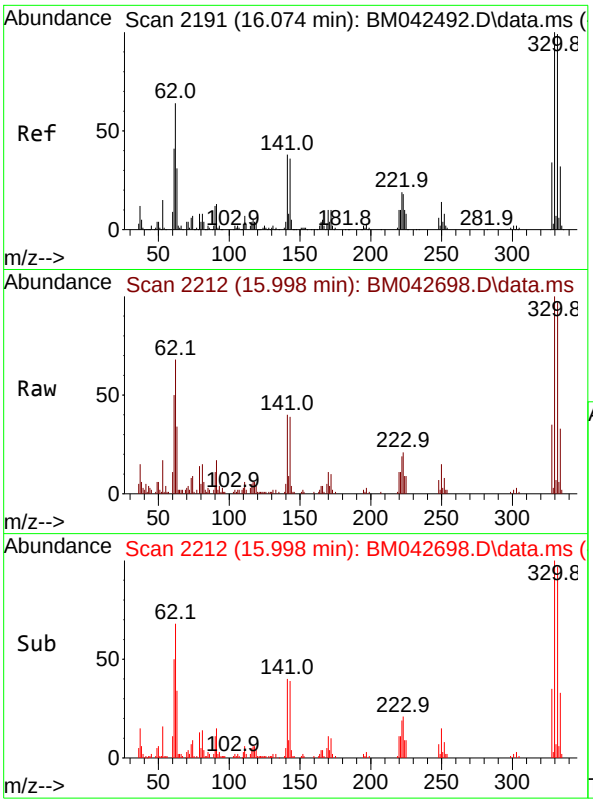


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.504 min Scan# 1958
Delta R.T. 0.000 min
Lab File: BM042698.D
Acq: 10 Nov 2023 19:10

Tgt Ion:164 Resp: 160144

Ion	Ratio	Lower	Upper
164	100		
162	100.3	81.6	122.4
160	44.7	36.2	54.4



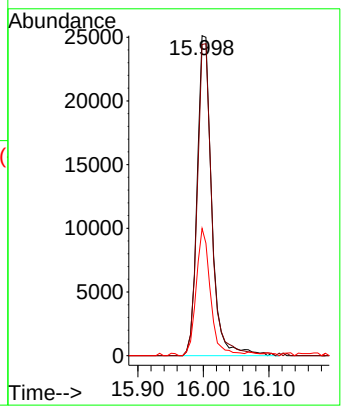


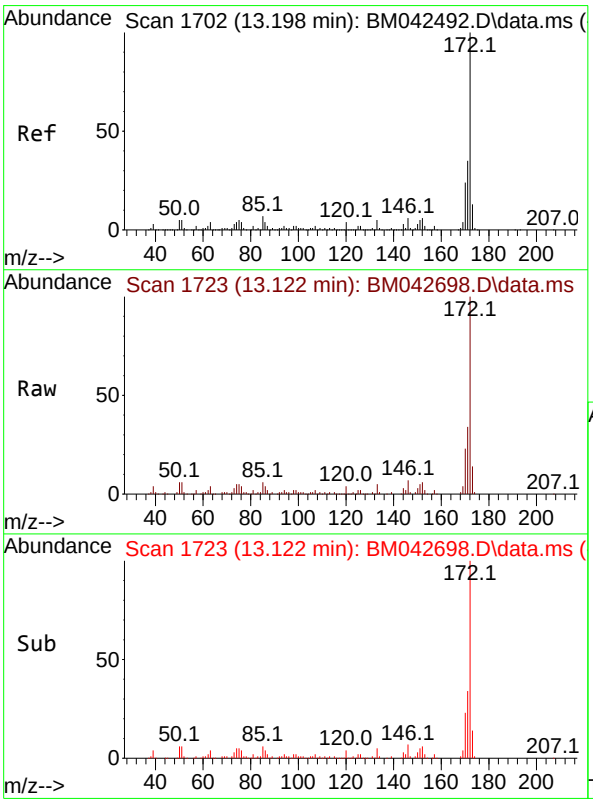
#42
2,4,6-Tribromophenol
Concen: 18.535 ng
RT: 15.998 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM042698.D
Acq: 10 Nov 2023 19:10

Instrument :
BNA_M
ClientSampleId :
WASTE

Tgt Ion:330 Resp: 38753

Ion	Ratio	Lower	Upper
330	100		
332	97.0	78.8	118.2
141	39.0	31.1	46.7

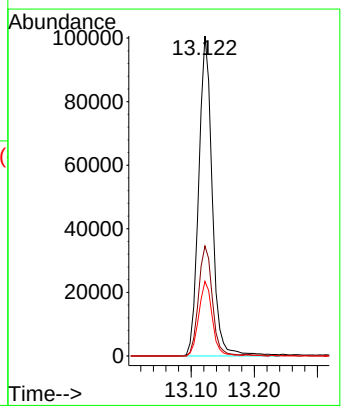


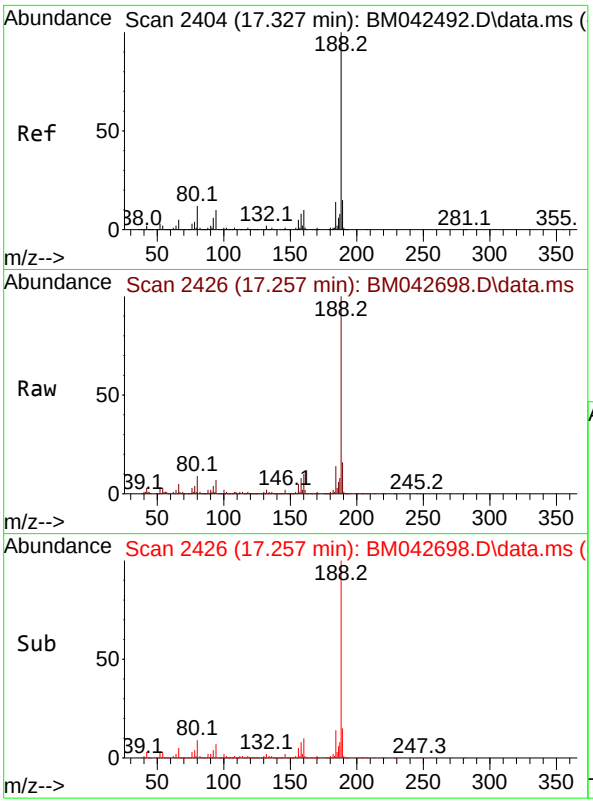


#45
2-Fluorobiphenyl
Concen: 12.558 ng
RT: 13.122 min Scan# 1723
Delta R.T. 0.000 min
Lab File: BM042698.D
Acq: 10 Nov 2023 19:10

Tgt Ion:172 Resp: 149455

Ion	Ratio	Lower	Upper
172	100		
171	34.4	28.2	42.2
170	23.3	19.0	28.4



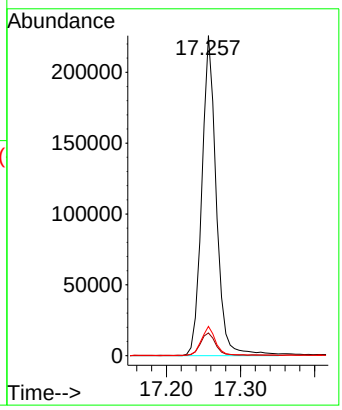


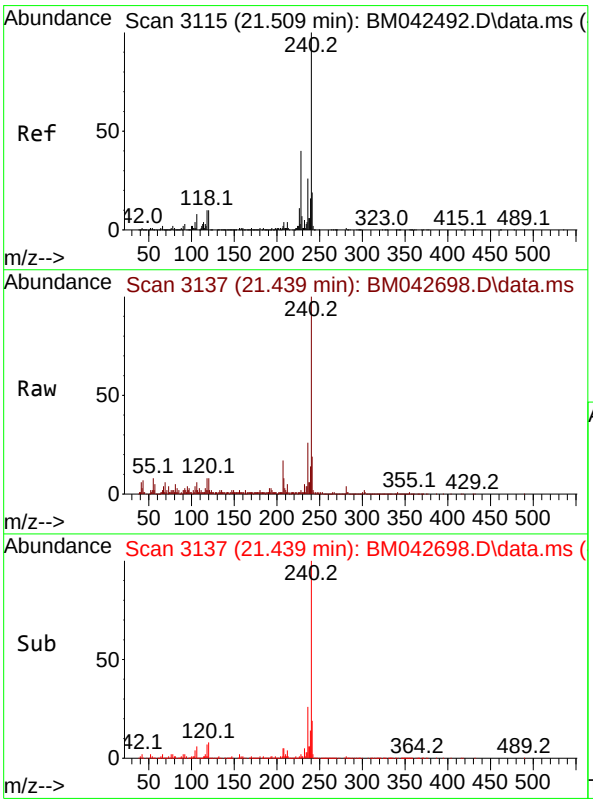
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.257 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM042698.D
Acq: 10 Nov 2023 19:10

Instrument :
BNA_M
ClientSampleId :
WASTE

Tgt Ion:188 Resp: 307838

Ion	Ratio	Lower	Upper
188	100		
94	7.1	8.2	12.4#
80	9.2	9.4	14.2#

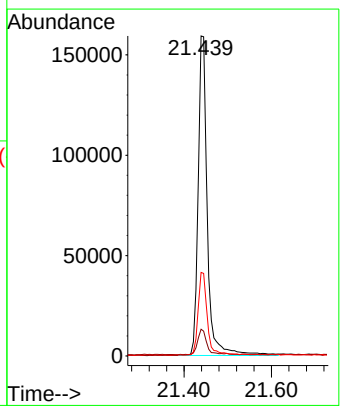


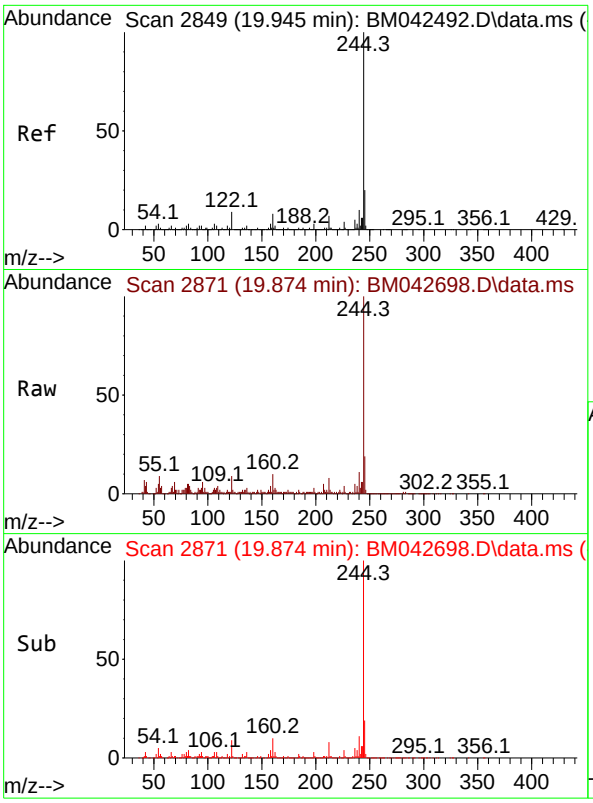


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.439 min Scan# 3137
Delta R.T. 0.000 min
Lab File: BM042698.D
Acq: 10 Nov 2023 19:10

Tgt Ion:240 Resp: 232800

Ion	Ratio	Lower	Upper
240	100		
120	8.4	8.3	12.5
236	26.1	20.8	31.2



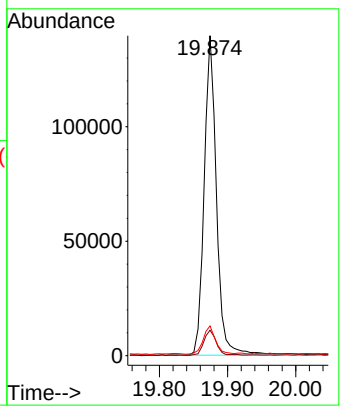


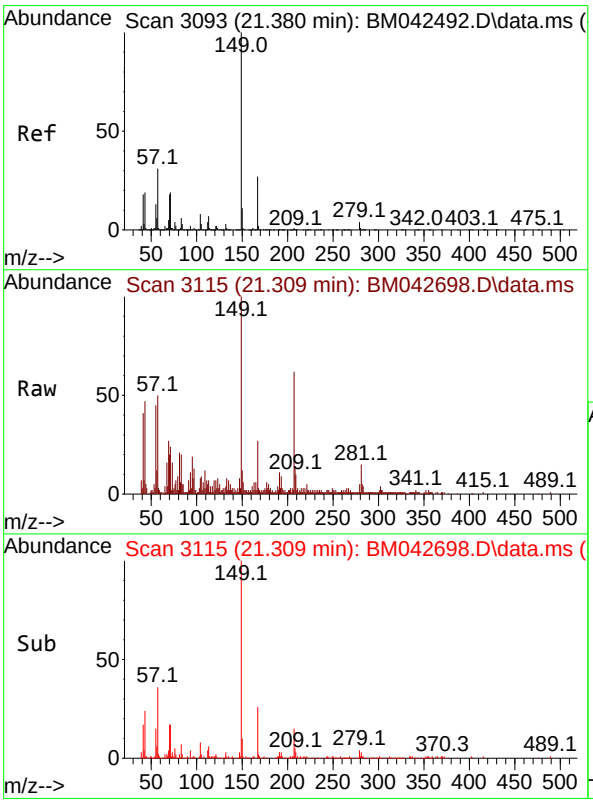
#79
Terphenyl-d14
Concen: 12.769 ng
RT: 19.874 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM042698.D
Acq: 10 Nov 2023 19:10

Instrument :
BNA_M
ClientSampleId :
WASTE

Tgt Ion:244 Resp: 175307

Ion	Ratio	Lower	Upper
244	100		
212	8.0	5.4	8.2
122	9.3	7.2	10.8

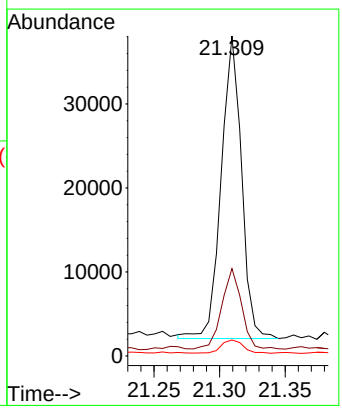


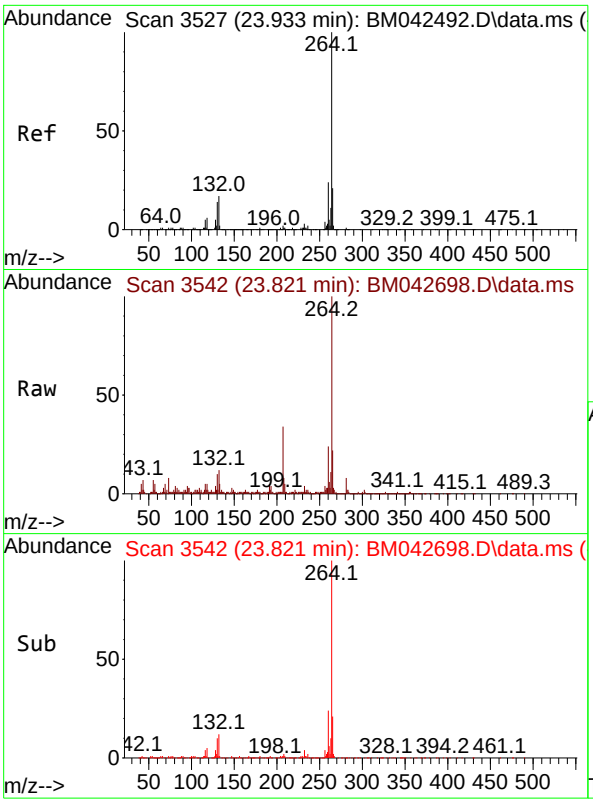


#84
Bis(2-ethylhexyl)phthalate
Concen: 3.759 ng
RT: 21.309 min Scan# 3115
Delta R.T. 0.000 min
Lab File: BM042698.D
Acq: 10 Nov 2023 19:10

Tgt Ion:149 Resp: 38787

Ion	Ratio	Lower	Upper
149	100		
167	27.3	21.4	32.0
279	5.0	3.4	5.2



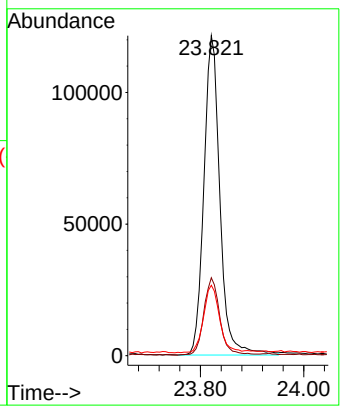


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.821 min Scan# 3
Delta R.T. 0.006 min
Lab File: BM042698.D
Acq: 10 Nov 2023 19:10

Instrument :
BNA_M
ClientSampleId :
WASTE

Tgt Ion:264 Resp: 261247

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.0	28.4
265	22.0	18.7	28.1



Sample Results: **BM042698.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042698.D
Acq On : 10 Nov 2023 19:10
Operator : MA/JU
Sample : 05252-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WASTE

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_M\Methods\8270-BM103023.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM042698.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.381	401	407	419	rBV	171159	285203	7.20%	2.545%
2	7.016	678	685	703	rBV	163086	312307	7.88%	2.786%
3	7.846	818	826	844	rBV	262817	454128	11.46%	4.052%
4	9.045	1025	1030	1038	rBV	98200	179944	4.54%	1.605%
5	10.663	1298	1305	1313	rBV	344692	572358	14.44%	5.107%
6	13.122	1717	1723	1735	rBV	323249	469948	11.86%	4.193%
7	14.504	1952	1958	1969	rBV	532302	752528	18.99%	6.714%
8	15.827	2179	2183	2188	rBV	120688	132607	3.35%	1.183%
9	15.998	2207	2212	2222	rBV	237905	352864	8.90%	3.148%
10	17.257	2421	2426	2432	rBV	544885	689291	17.39%	6.150%
11	18.033	2554	2558	2563	rBV	484445	577686	14.57%	5.154%
12	18.110	2567	2571	2581	rBV	107780	181461	4.58%	1.619%
13	19.315	2774	2776	2782	rVB2	59680	71542	1.80%	0.638%
14	19.392	2787	2789	2799	rVB7	43589	90554	2.28%	0.808%
15	19.704	2840	2842	2846	rVB	88213	90770	2.29%	0.810%
16	19.874	2867	2871	2876	rBV	402251	488529	12.32%	4.359%
17	21.056	3067	3072	3076	rVB	3803909	3963725	100.00%	35.364%
18	21.309	3112	3115	3118	rVB	127027	131046	3.31%	1.169%
19	21.445	3133	3138	3142	rBV	474370	665494	16.79%	5.937%
20	22.262	3275	3277	3285	rVB	129762	145949	3.68%	1.302%
21	23.821	3537	3542	3549	rVB	313395	600413	15.15%	5.357%

Sum of corrected areas: 11208347

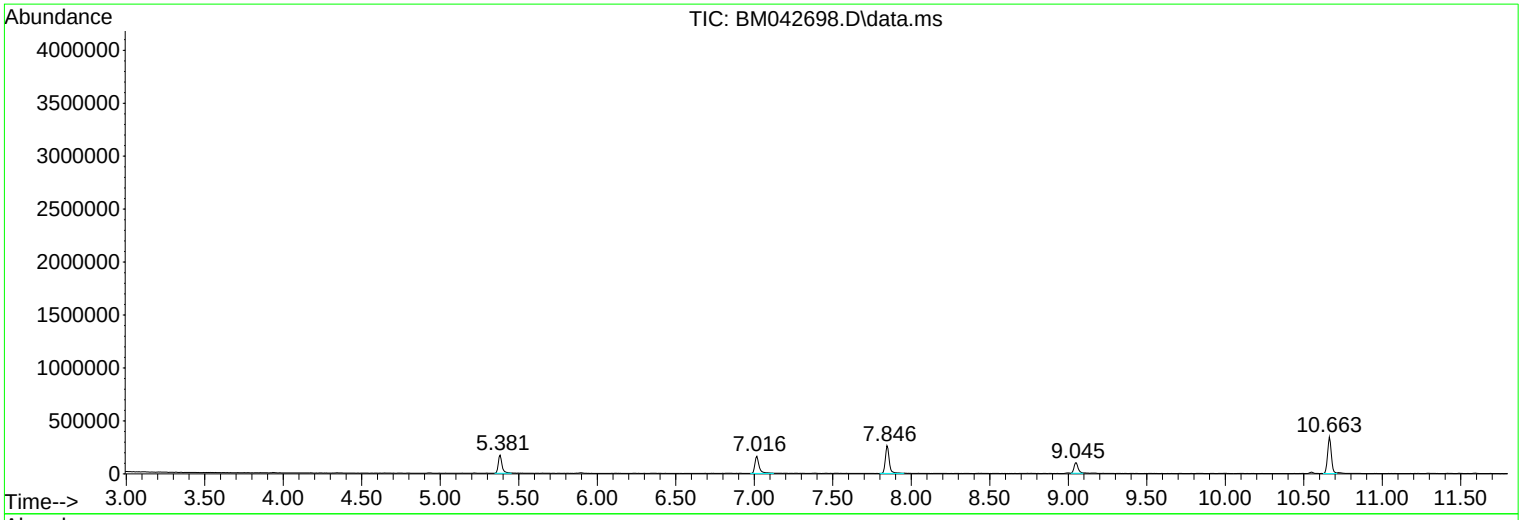
Sample Results: **BM042698.D**

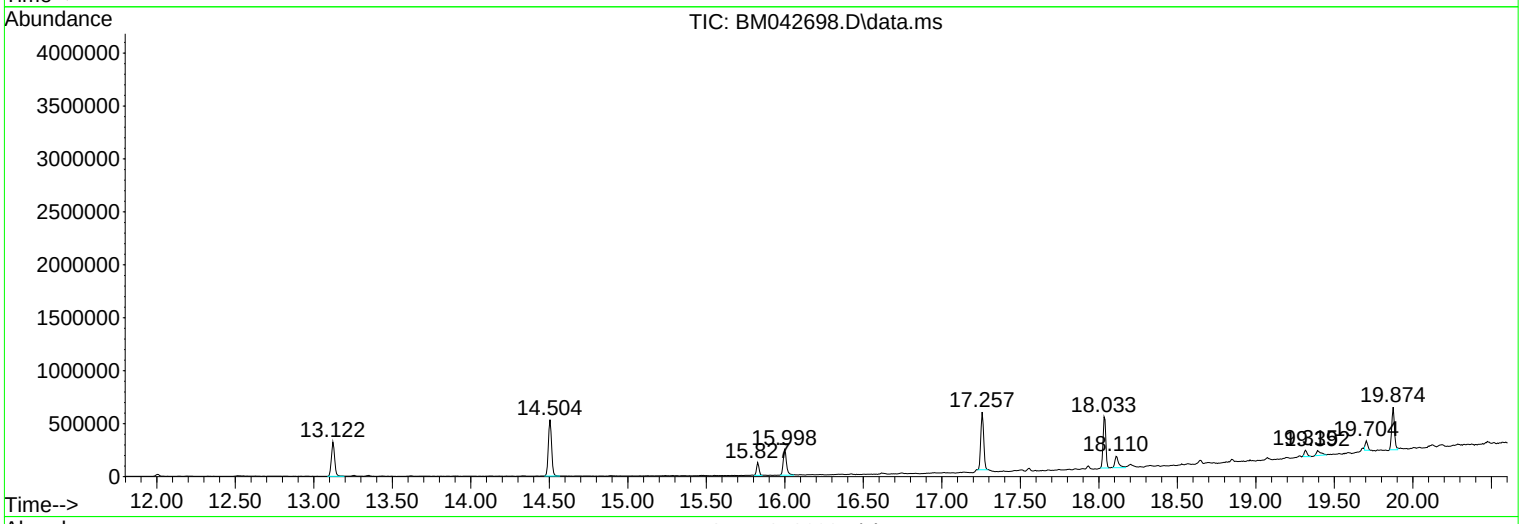
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042698.D
Acq On : 10 Nov 2023 19:10
Operator : MA/JU
Sample : 05252-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

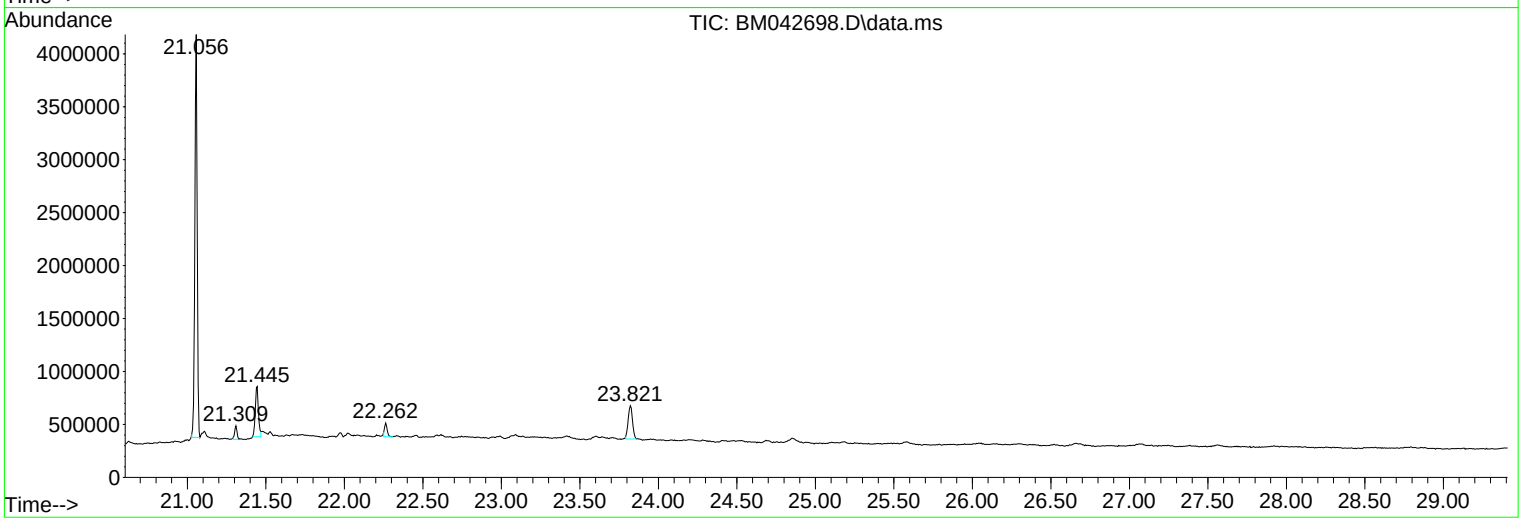
Instrument :
BNA_M
ClientSampleId :
WASTE

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.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_M\Data\BM111023\
Data File : BM042698.D
Acq On : 10 Nov 2023 19:10
Operator : MA/JU
Sample : 05252-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WASTE

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

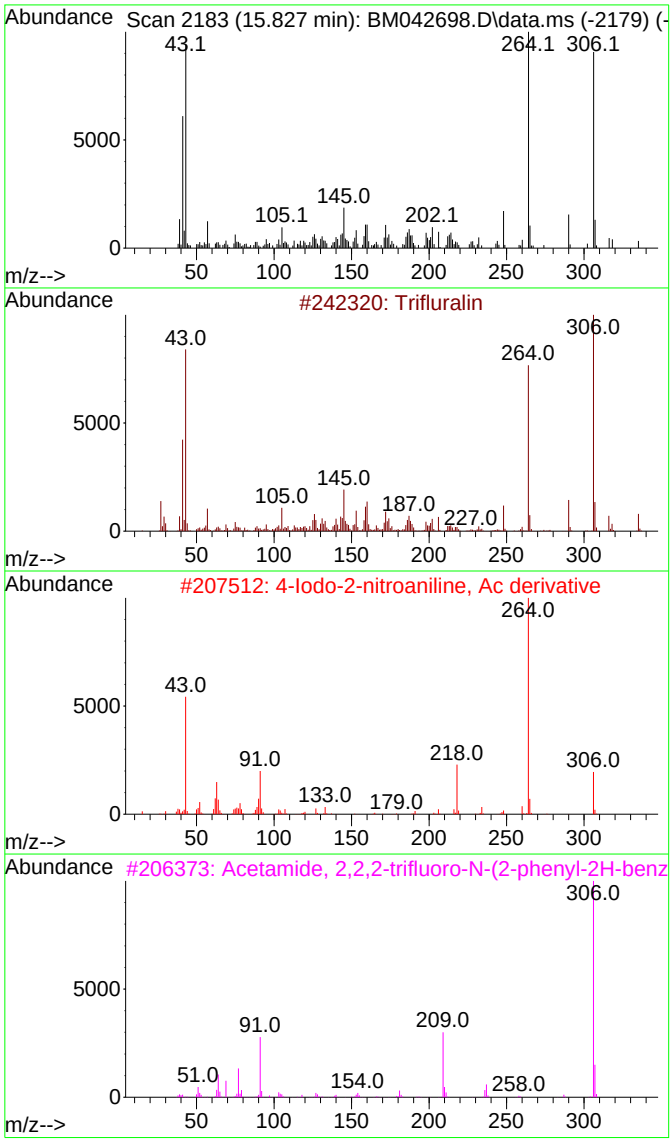
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

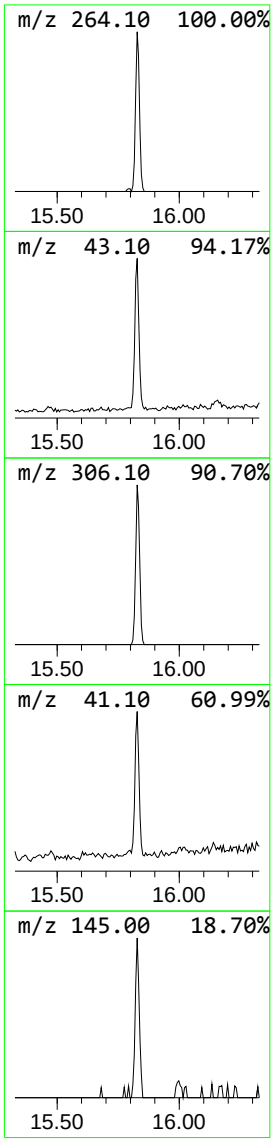
****

Peak Number 1 Trifluralin Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.827	3.52 ng	132607	Acenaphthene-d10	14.504

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trifluralin	335	C13H16F3N3O4	001582-09-8	99
2	4-Iodo-2-nitroaniline, Ac deriva...	306	C8H7IN2O3	1000494-76-3	64
3	Acetamide, 2,2,2-trifluoro-N-(2-...	306	C14H9F3N4O	350700-28-6	30
4	2,3,4,5-Tetrahydro-2-methyl-6-(2...	264	C10H8N4O5	017427-31-5	30
5	2,4-Dimethoxyiodobenzene	264	C8H9IO2	020469-63-0	27





Sample Results: **BM042698.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042698.D
Acq On : 10 Nov 2023 19:10
Operator : MA/JU
Sample : 05252-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WASTE

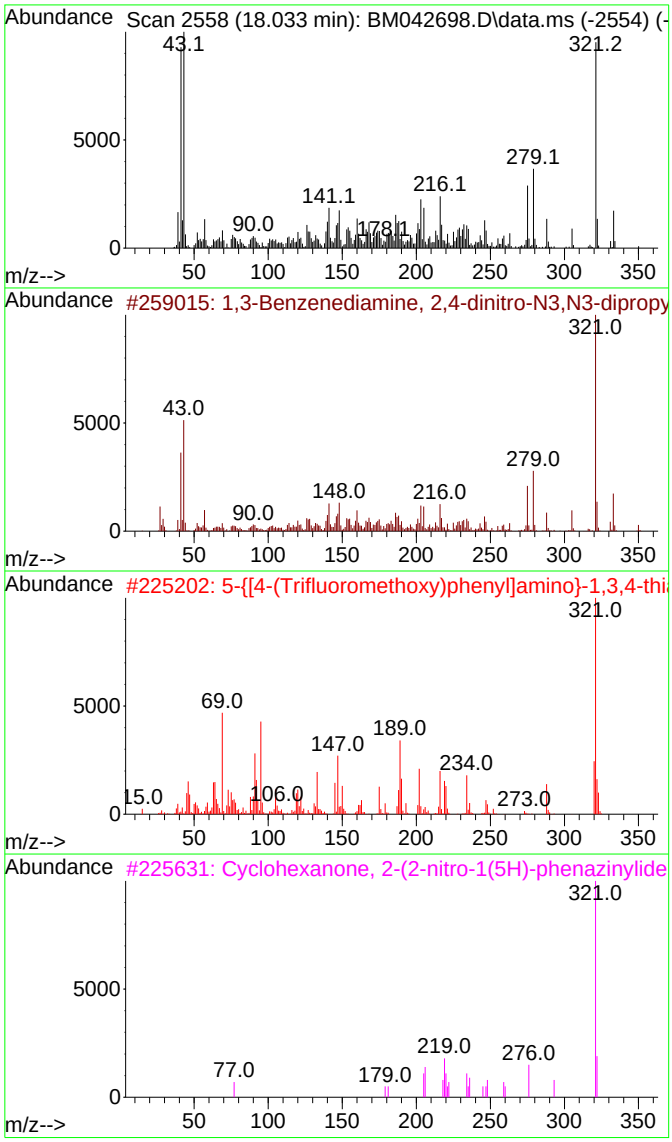
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

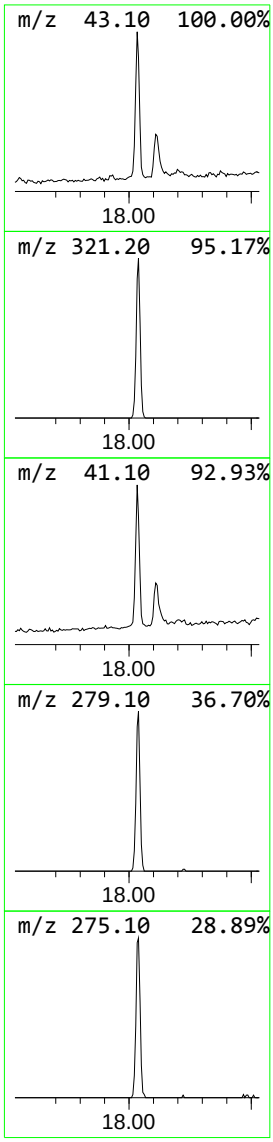
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 1,3-Benzenediamine, 2,4-din... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.033	16.76 ng	577686	Phenanthrene-d10	17.257

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Benzenediamine, 2,4-dinitro-...	350	C13H17F3N4O4	029091-21-2	97
2	5-{[4-(Trifluoromethoxy)phenyl]a...	321	C11H10F3N3OS2	1000507-70-1	49
3	Cyclohexanone, 2-(2-nitro-1(5H)-...	321	C18H15N3O3	021589-32-2	43
4	4-Amino-5-nitro-6-[3,4,5-trimeth...	321	C13H15N5O5	1000254-14-1	38
5	3,4,5-Trimethoxy-4'-nitrodipheny...	321	C15H15NO5S	024891-42-7	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042698.D
Acq On : 10 Nov 2023 19:10
Operator : MA/JU
Sample : 05252-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WASTE

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

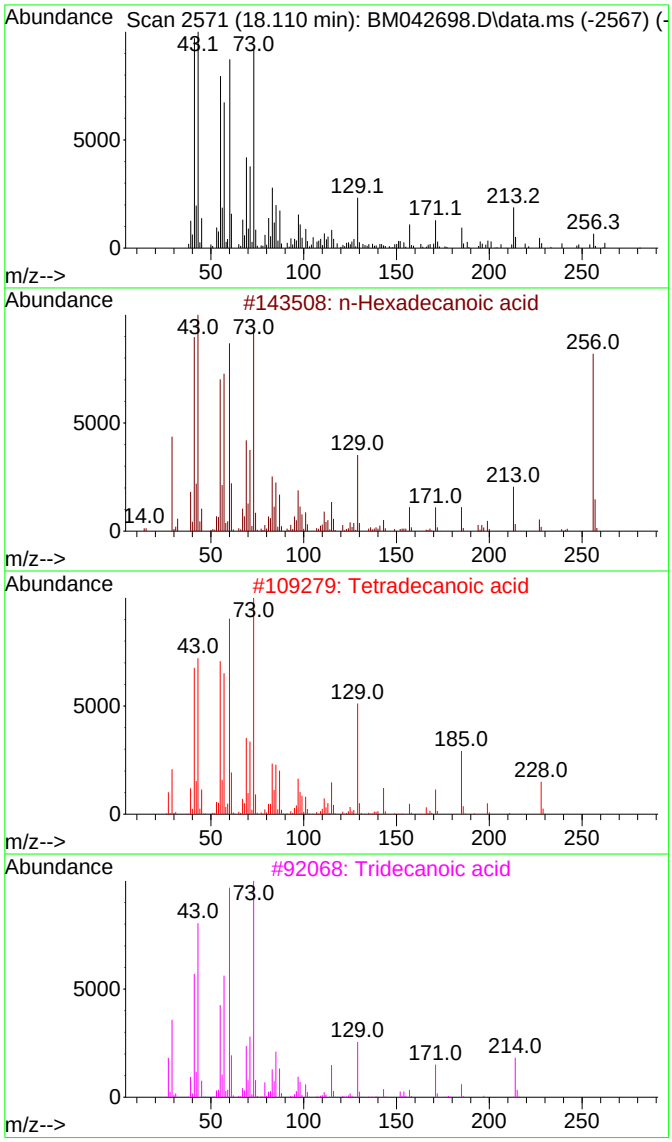
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

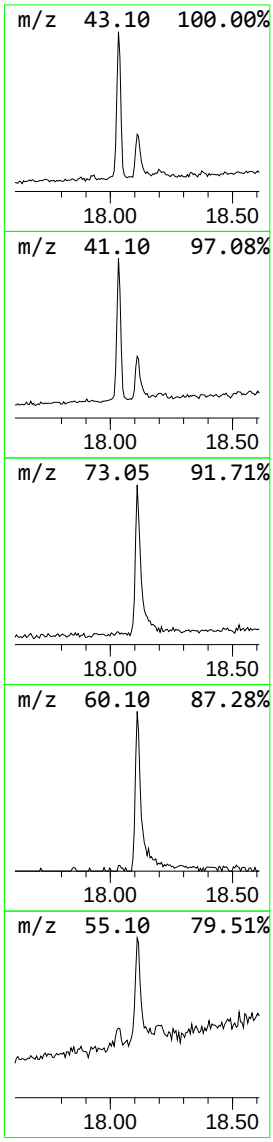
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.110	5.27 ng	181461	Phenanthrene-d10	17.257

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	87
3	Tridecanoic acid	214	C13H26O2	000638-53-9	87
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	74
5	Undecanoic acid	186	C11H22O2	000112-37-8	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042698.D
Acq On : 10 Nov 2023 19:10
Operator : MA/JU
Sample : 05252-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WASTE

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

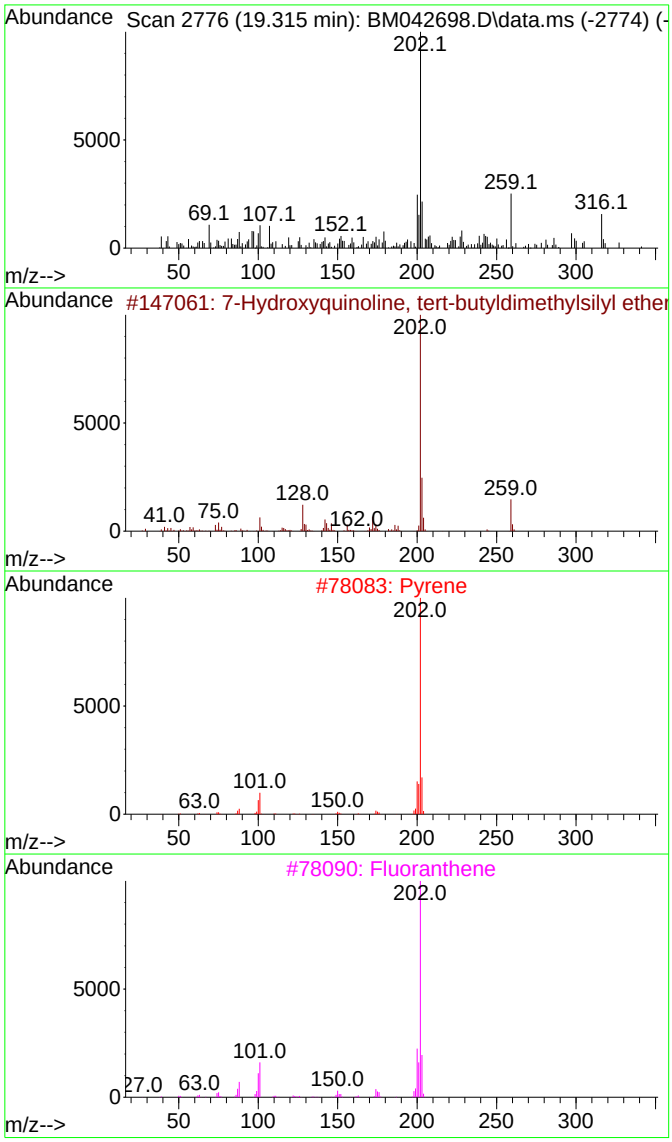
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

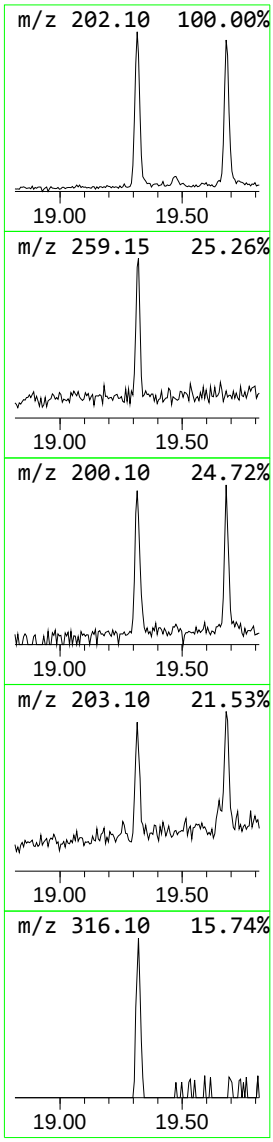
****

Peak Number 4 7-Hydroxyquinoline, tert-bu... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.315	2.08 ng	71542	Phenanthrene-d10	17.257

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Hydroxyquinoline, tert-butyldi...	259	C15H21NOSi	867164-58-7	50
2	Pyrene	202	C16H10	000129-00-0	49
3	Fluoranthene	202	C16H10	000206-44-0	49
4	Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	49
5	4,4'-Bis(tetrahydrothiopyran)	202	C10H18S2	116196-83-9	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042698.D
Acq On : 10 Nov 2023 19:10
Operator : MA/JU
Sample : 05252-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WASTE

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

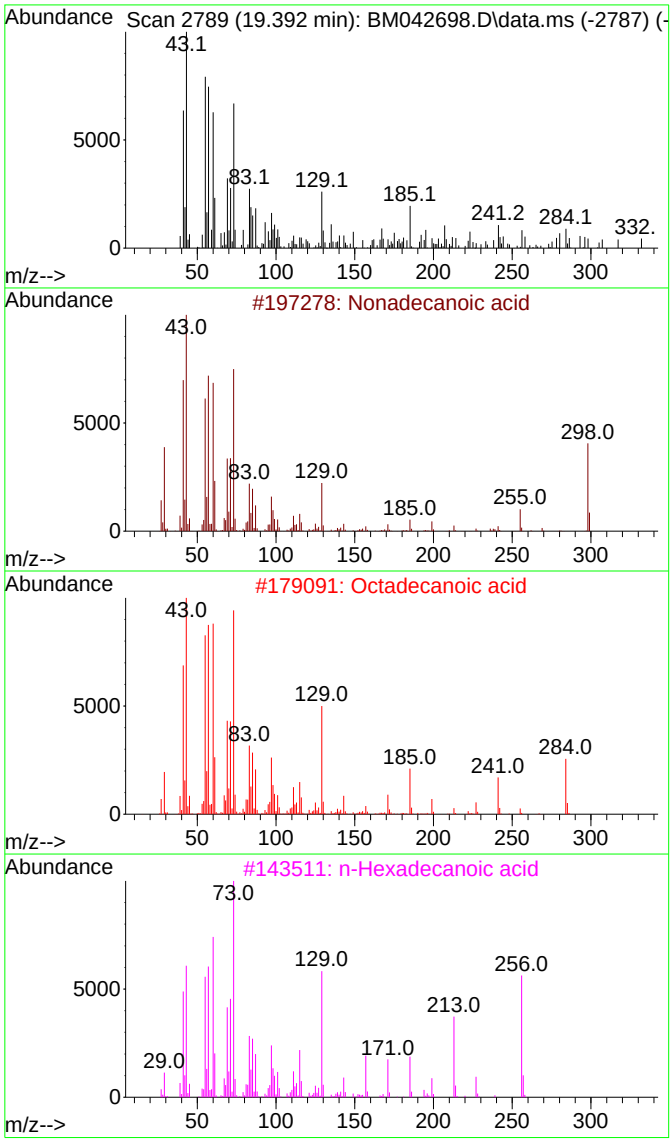
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

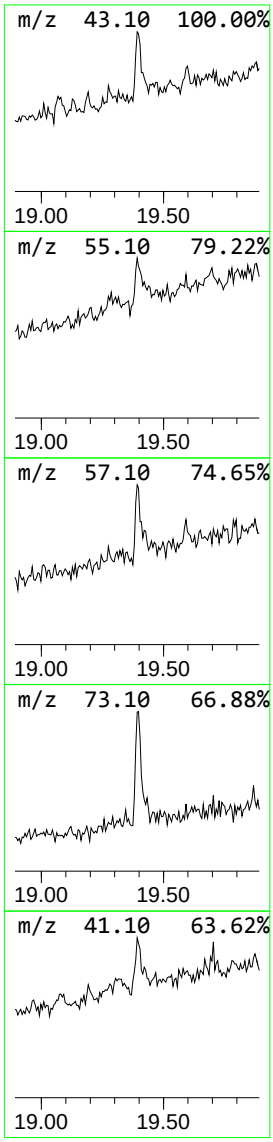
****

Peak Number 5 Nonadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.392	2.72 ng	90554	Chrysene-d12	21.439

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecanoic acid	298	C19H38O2	000646-30-0	90
2	Octadecanoic acid	284	C18H36O2	000057-11-4	89
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	70
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	55
5	Tridecanoic acid	214	C13H26O2	000638-53-9	46





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042698.D
Acq On : 10 Nov 2023 19:10
Operator : MA/JU
Sample : 05252-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WASTE

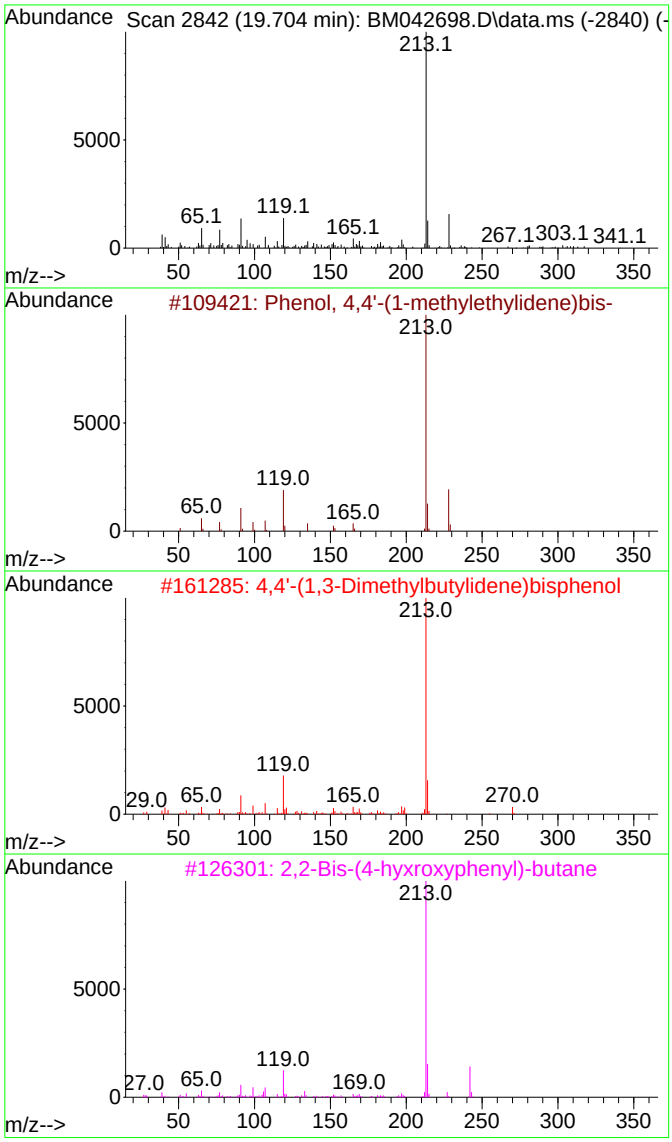
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

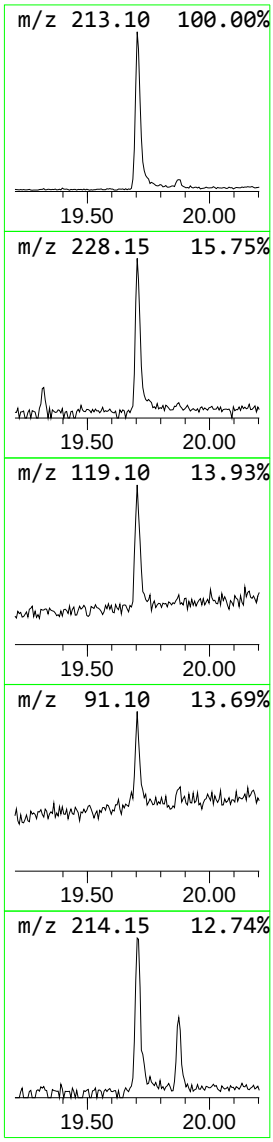
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Phenol, 4,4'-(1-methylethyl... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.704	2.73 ng	90770	Chrysene-d12	21.439

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4,4'-(1-methylethylidene...	228	C15H16O2	000080-05-7	91
2	4,4'-(1,3-Dimethylbutylidene)bis...	270	C18H22O2	006807-17-6	83
3	2,2-Bis-(4-hyxroxyphenyl)-butane	242	C16H18O2	000077-40-7	64
4	5-Fluoro-2-nitrophenylamine, TMS...	228	C9H13FN2O2Si	1000484-54-5	64
5	2H,8H-Benzo[1,2-b:3,4-b']dipyran...	228	C14H12O3	000523-59-1	59





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042698.D
Acq On : 10 Nov 2023 19:10
Operator : MA/JU
Sample : 05252-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WASTE

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

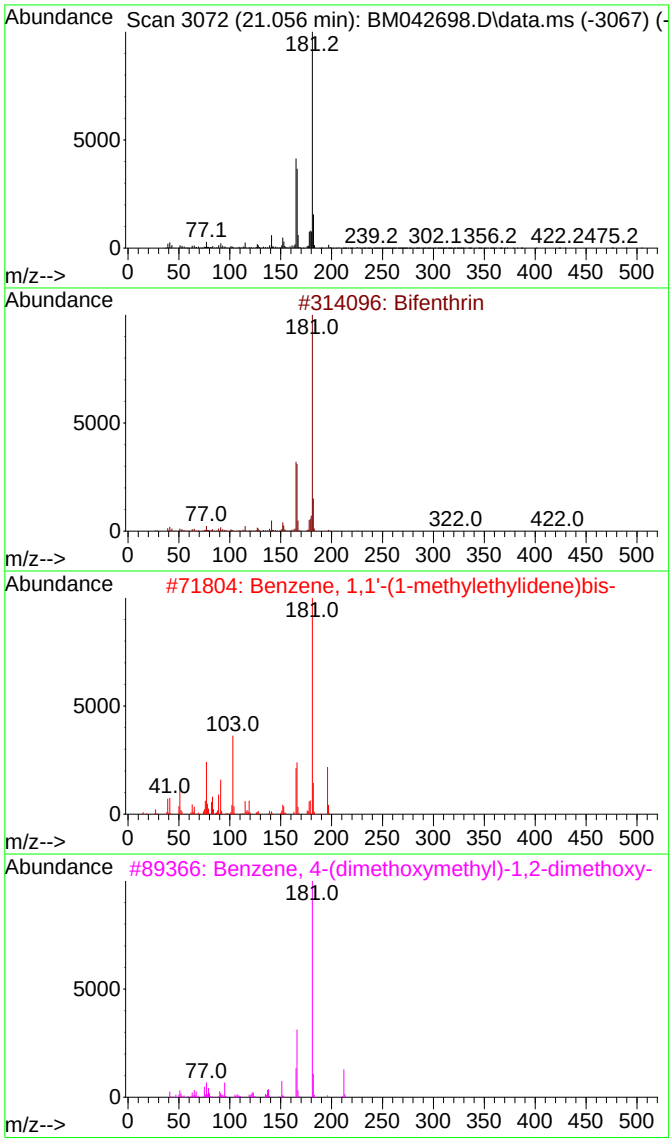
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

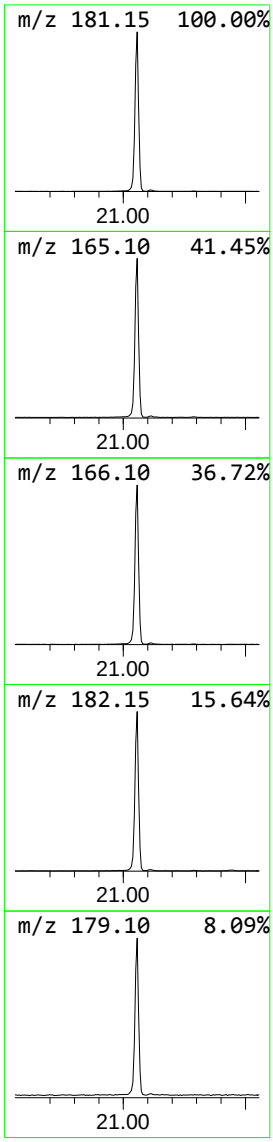
****

Peak Number 7 Bifenthrin Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.056	119.12 ng	3963730	Chrysene-d12	21.439

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bifenthrin	422	C23H22ClF3O2	082657-04-3	91
2	Benzene, 1,1'-(1-methylethyliden...	196	C15H16	000778-22-3	64
3	Benzene, 4-(dimethoxymethyl)-1,2...	212	C11H16O4	059276-33-4	58
4	Benzeneethanol, .beta.-methyl-.b...	212	C15H16O	074421-26-4	53
5	8-Methyl-4-azafluorene	181	C13H11N	064292-00-8	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042698.D
Acq On : 10 Nov 2023 19:10
Operator : MA/JU
Sample : 05252-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WASTE

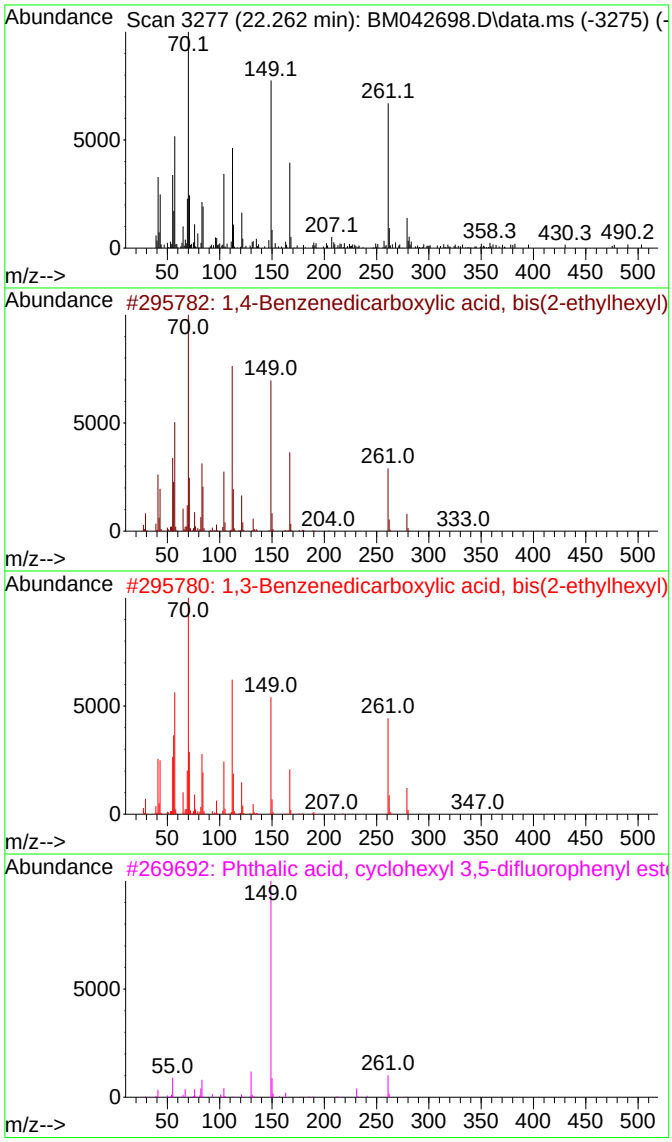
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

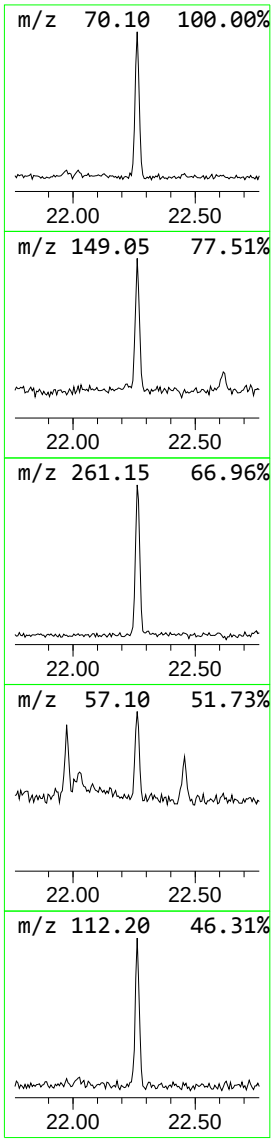
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 1,4-Benzenedicarboxylic aci... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.262	4.39 ng	145949	Chrysene-d12	21.439

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Benzenedicarboxylic acid, bi...	390	C24H38O4	006422-86-2	74
2	1,3-Benzenedicarboxylic acid, bi...	390	C24H38O4	000137-89-3	58
3	Phthalic acid, cyclohexyl 3,5-di...	360	C20H18F2O4	1000315-61-1	27
4	Phthalic acid, di(2-propylpentyl...	390	C24H38O4	1000377-93-5	27
5	Isophthalic acid, octyl 2,4,5-tr...	456	C22H23Cl3O4	1010356-61-5	27





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042698.D
Acq On : 10 Nov 2023 19:10
Operator : MA/JU
Sample : 05252-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WASTE

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.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
Trifluralin	15.827	3.5	ng	132607	3	14.504	752528	20.0
1,3-Benzenediam...	18.033	16.8	ng	577686	4	17.257	689291	20.0
n-Hexadecanoic ...	18.110	5.3	ng	181461	4	17.257	689291	20.0
7-Hydroxyquinol...	19.315	2.1	ng	71542	4	17.257	689291	20.0
Nonadecanoic acid	19.392	2.7	ng	90554	5	21.439	665494	20.0
Phenol, 4,4'-(1...	19.704	2.7	ng	90770	5	21.439	665494	20.0
Bifenthrin	21.056	119.1	ng	3963730	5	21.439	665494	20.0
1,4-Benzenedica...	22.262	4.4	ng	145949	5	21.439	665494	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110723\
Data File : BF136177.D
Acq On : 07 Nov 2023 15:47
Operator : CG\JU
Sample : PB156921BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB156921BL

Quant Time: Nov 08 02:57:05 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 08 02:12:01 2023
Response via : Initial Calibration

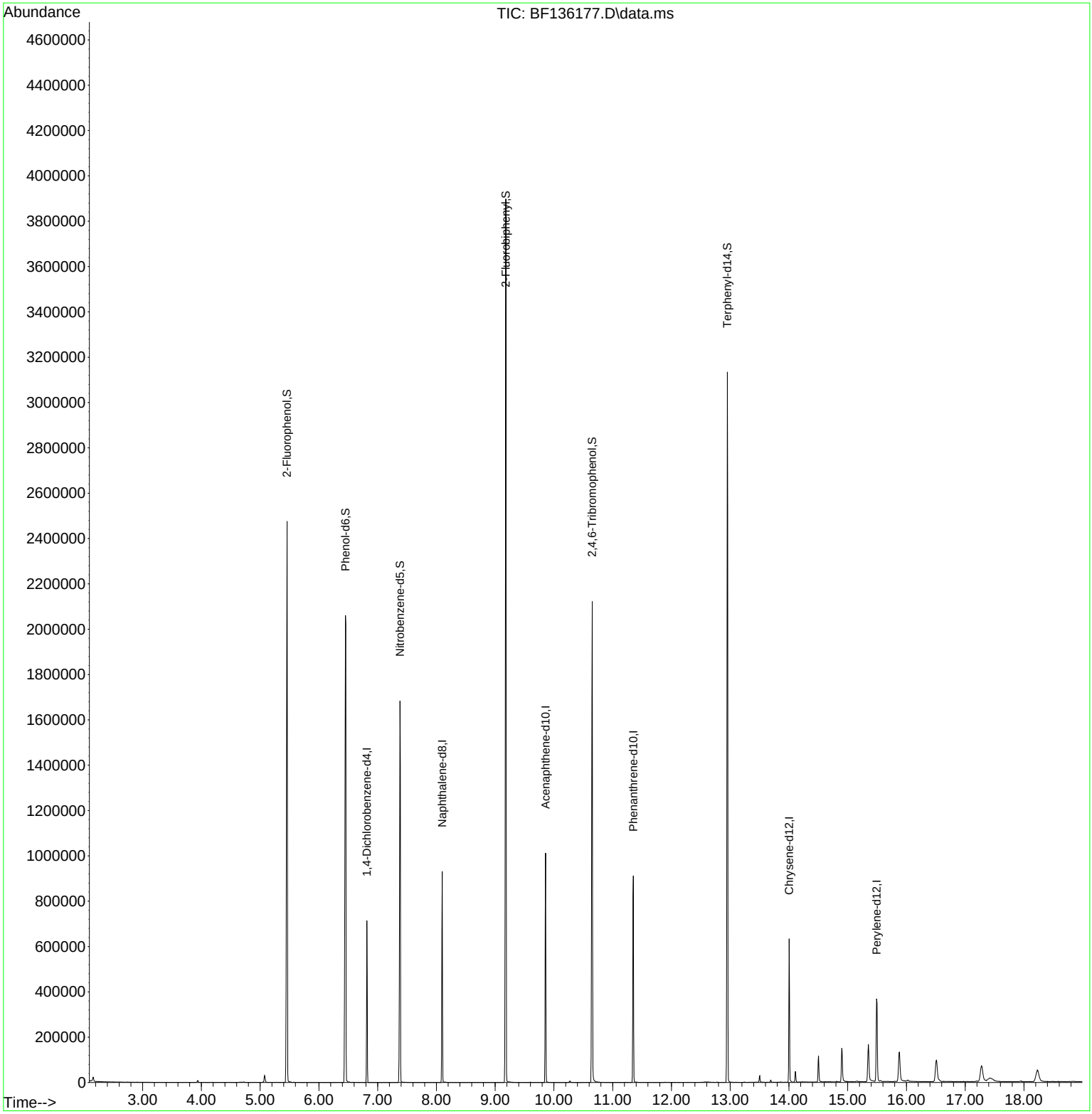
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	92028	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	367949	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	188969	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	341560	20.000	ng	0.00
76) Chrysene-d12	14.004	240	196372	20.000	ng	0.00
86) Perylene-d12	15.492	264	181071	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	725672	125.554	ng	0.01
7) Phenol-d6	6.451	99	891315	125.322	ng	0.00
23) Nitrobenzene-d5	7.381	82	571281	86.641	ng	0.00
42) 2,4,6-Tribromophenol	10.651	330	259719	131.228	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	1087912	85.101	ng	0.00
79) Terphenyl-d14	12.951	244	1174267	84.882	ng	0.00
Target Compounds						Qvalue

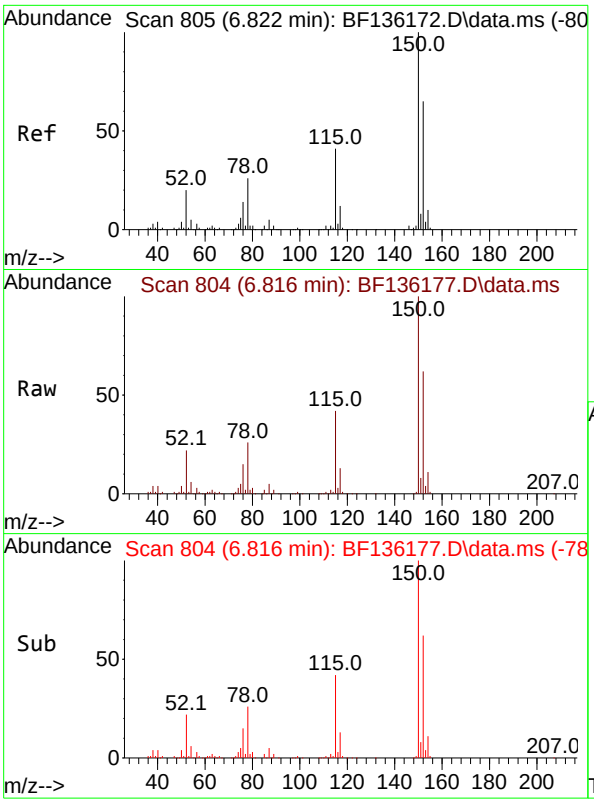
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110723\
Data File : BF136177.D
Acq On : 07 Nov 2023 15:47
Operator : CG\JU
Sample : PB156921BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB156921BL

Quant Time: Nov 08 02:57:05 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 08 02:12:01 2023
Response via : Initial Calibration



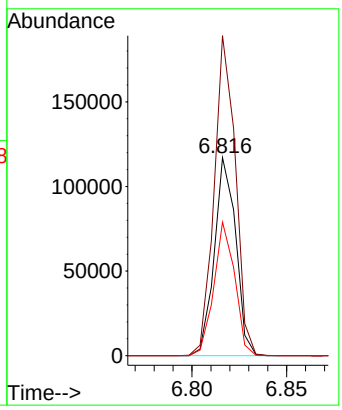


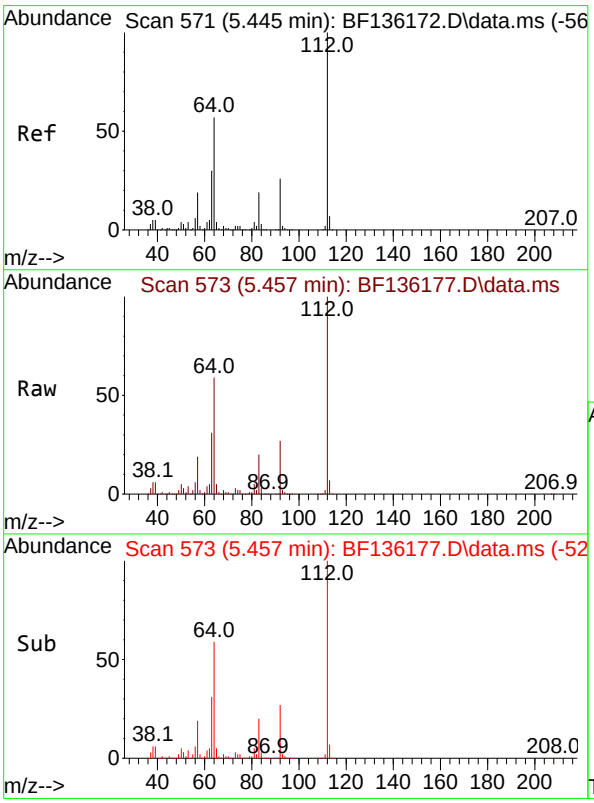
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF136177.D
Acq: 07 Nov 2023 15:47

Instrument :
BNA_F
ClientSampleId :
PB156921BL

Tgt Ion:152 Resp: 92028

Ion	Ratio	Lower	Upper
152	100		
150	161.6	123.1	184.7
115	67.4	50.5	75.7

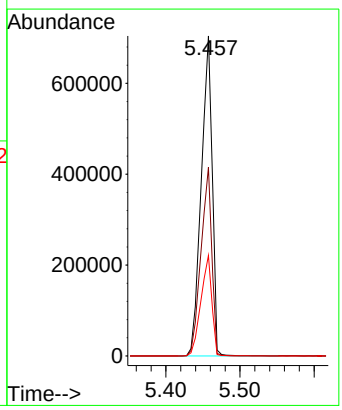


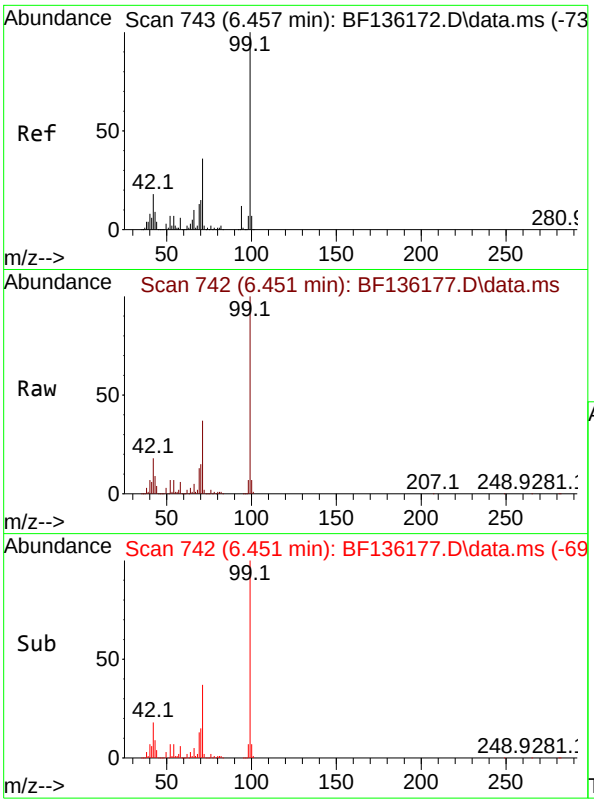


#5
2-Fluorophenol
Concen: 125.554 ng
RT: 5.457 min Scan# 573
Delta R.T. 0.012 min
Lab File: BF136177.D
Acq: 07 Nov 2023 15:47

Tgt Ion:112 Resp: 725672

Ion	Ratio	Lower	Upper
112	100		
64	58.9	45.4	68.0
63	31.4	24.4	36.6



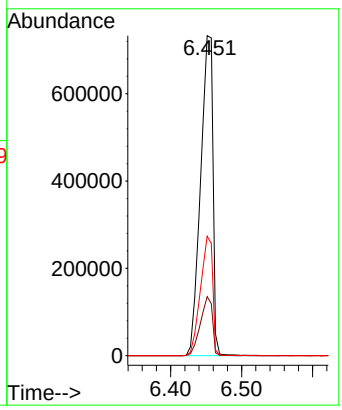


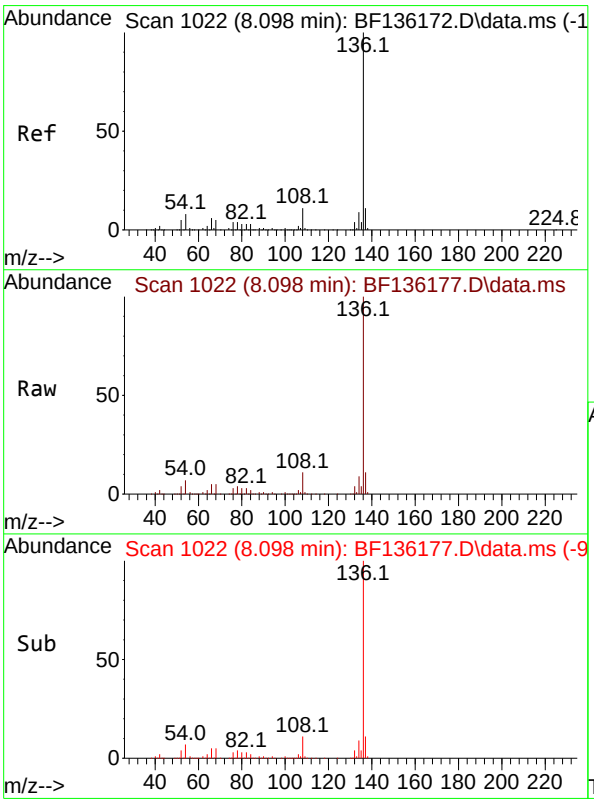
#7
Phenol-d6
Concen: 125.322 ng
RT: 6.451 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF136177.D
Acq: 07 Nov 2023 15:47

Instrument :
BNA_F
ClientSampleId :
PB156921BL

Tgt Ion: 99 Resp: 891315

Ion	Ratio	Lower	Upper
99	100		
42	18.4	14.1	21.1
71	37.3	29.0	43.4

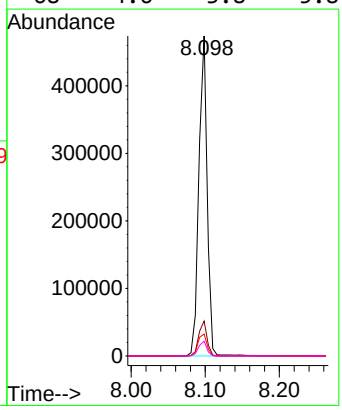


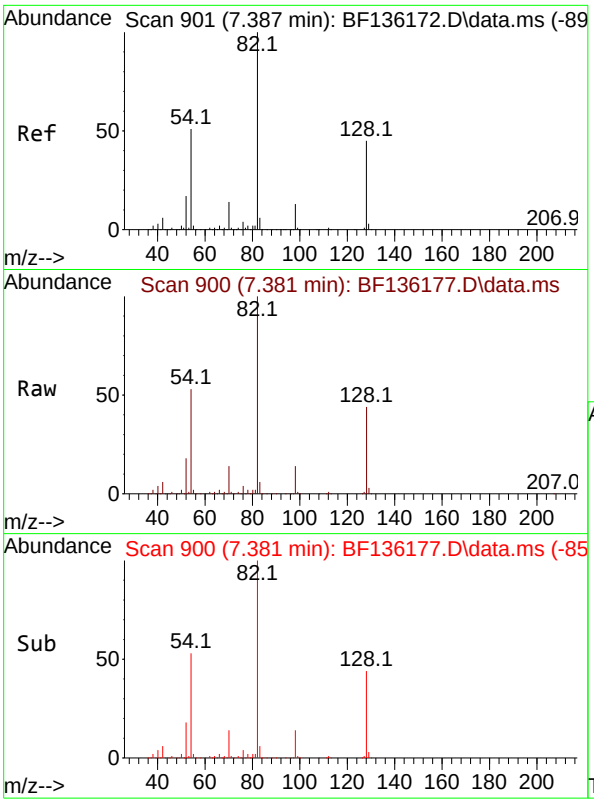


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1022
Delta R.T. 0.000 min
Lab File: BF136177.D
Acq: 07 Nov 2023 15:47

Tgt Ion:136 Resp: 367949

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	6.9	6.3	9.5
68	4.6	3.8	5.8



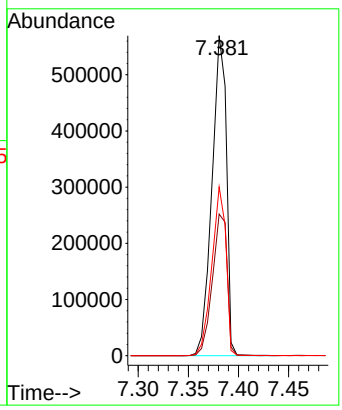


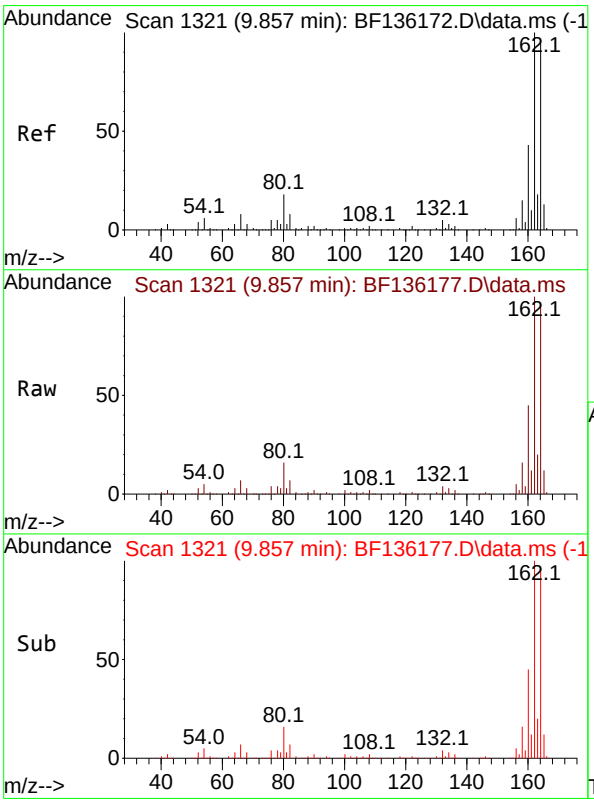
#23
Nitrobenzene-d5
Concen: 86.641 ng
RT: 7.381 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF136177.D
Acq: 07 Nov 2023 15:47

Instrument :
BNA_F
ClientSampleId :
PB156921BL

Tgt Ion: 82 Resp: 571281

Ion	Ratio	Lower	Upper
82	100		
128	44.3	35.8	53.6
54	52.8	40.6	60.8

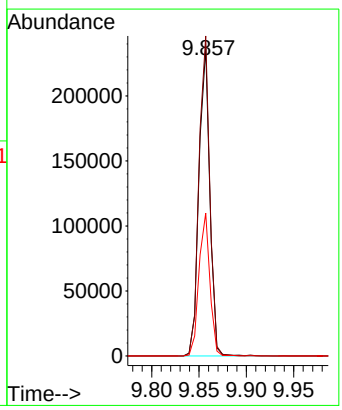


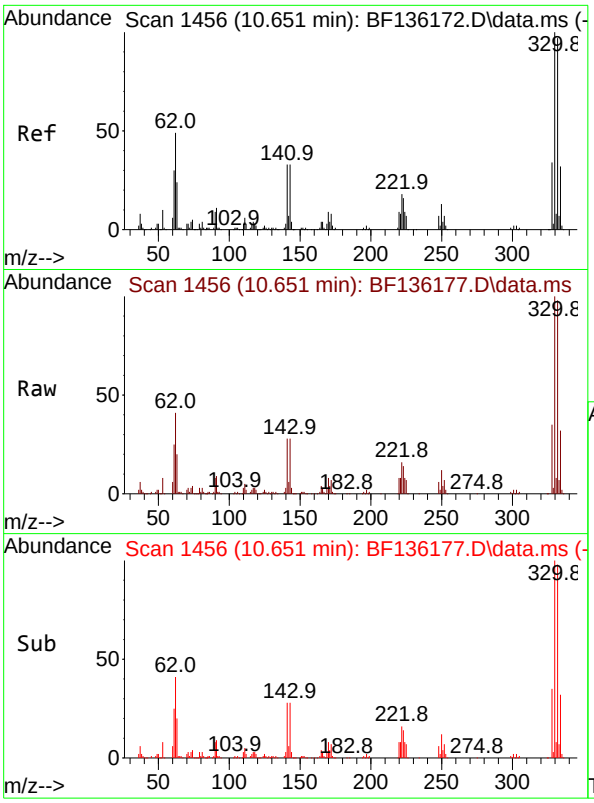


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1321
Delta R.T. 0.000 min
Lab File: BF136177.D
Acq: 07 Nov 2023 15:47

Tgt Ion:164 Resp: 188969

Ion	Ratio	Lower	Upper
164	100		
162	104.0	83.2	124.8
160	46.5	35.8	53.8



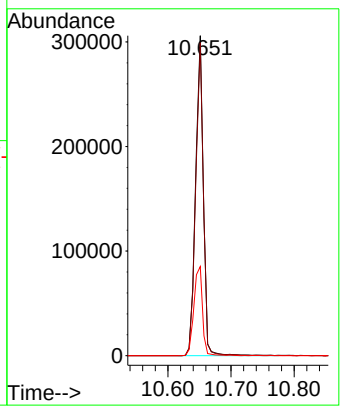


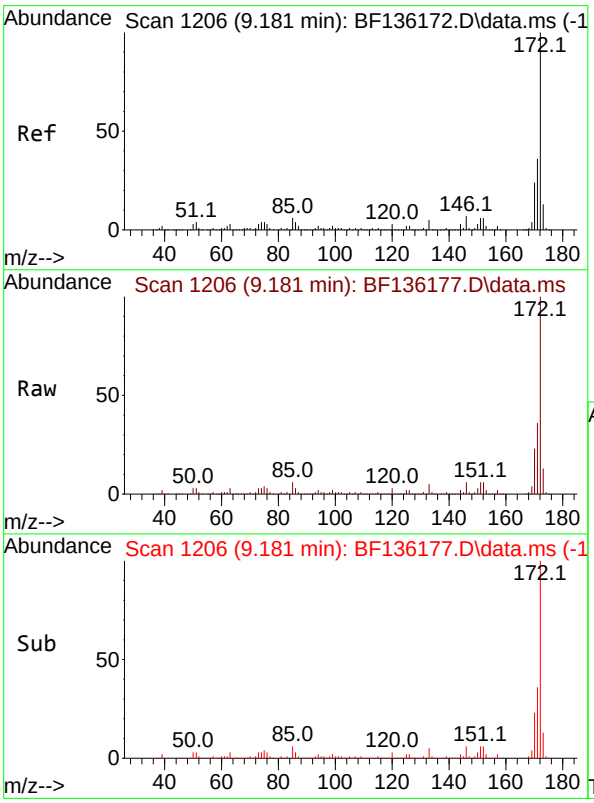
#42
2,4,6-Tribromophenol
Concen: 131.228 ng
RT: 10.651 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF136177.D
Acq: 07 Nov 2023 15:47

Instrument :
BNA_F
ClientSampleId :
PB156921BL

Tgt Ion:330 Resp: 259719

Ion	Ratio	Lower	Upper
330	100		
332	97.5	77.6	116.4
141	31.1	25.8	38.6

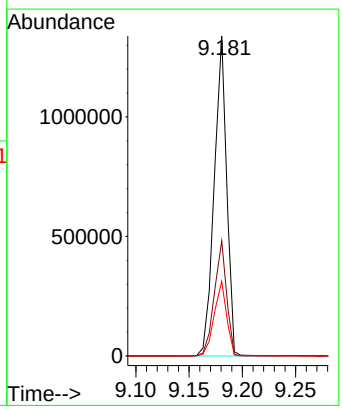


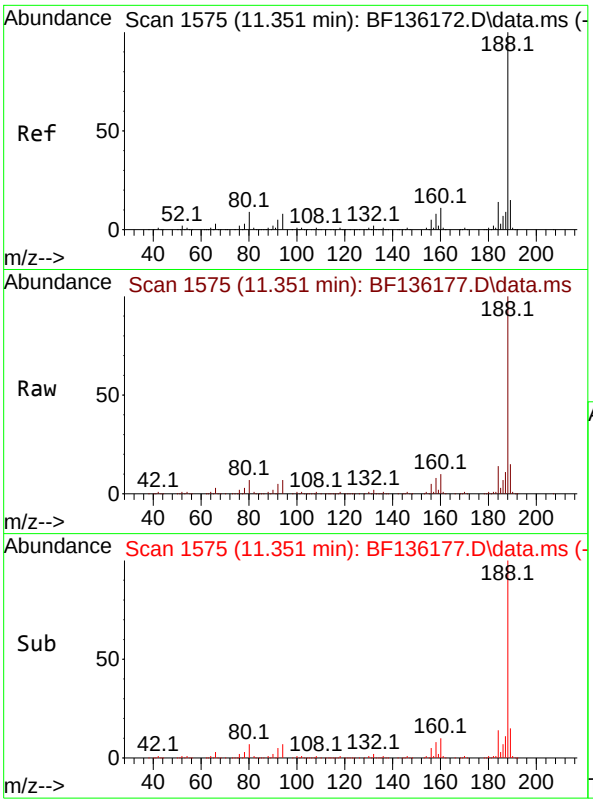


#45
2-Fluorobiphenyl
Concen: 85.101 ng
RT: 9.181 min Scan# 1206
Delta R.T. 0.000 min
Lab File: BF136177.D
Acq: 07 Nov 2023 15:47

Tgt Ion:172 Resp: 1087912

Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.9	43.3
170	23.4	19.1	28.7



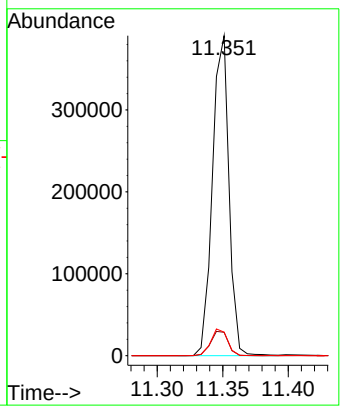


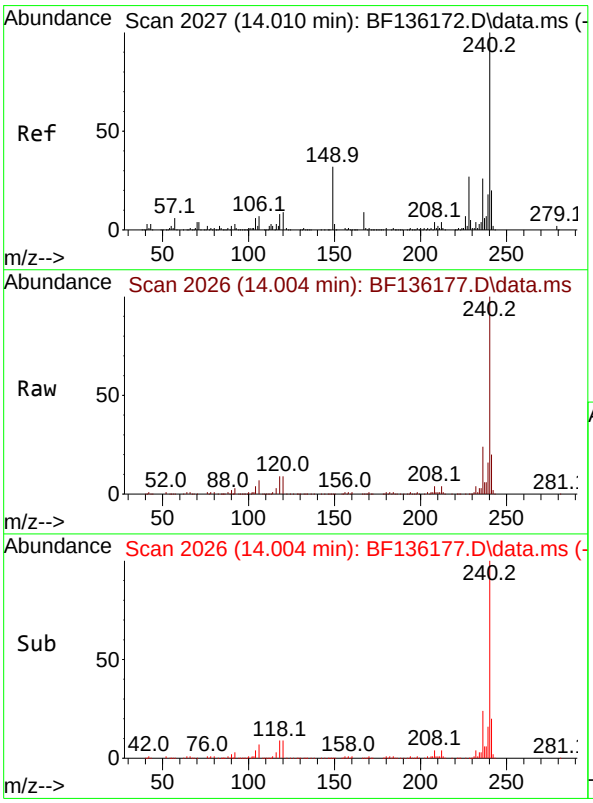
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF136177.D
Acq: 07 Nov 2023 15:47

Instrument :
BNA_F
ClientSampleId :
PB156921BL

Tgt Ion:188 Resp: 341560

Ion	Ratio	Lower	Upper
188	100		
94	7.3	6.6	9.8
80	7.3	7.3	10.9

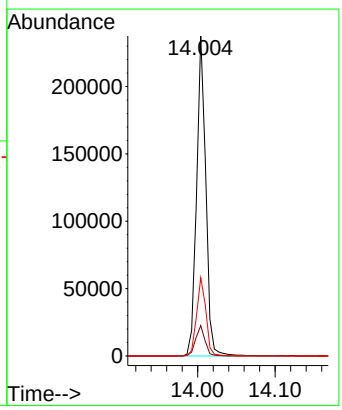


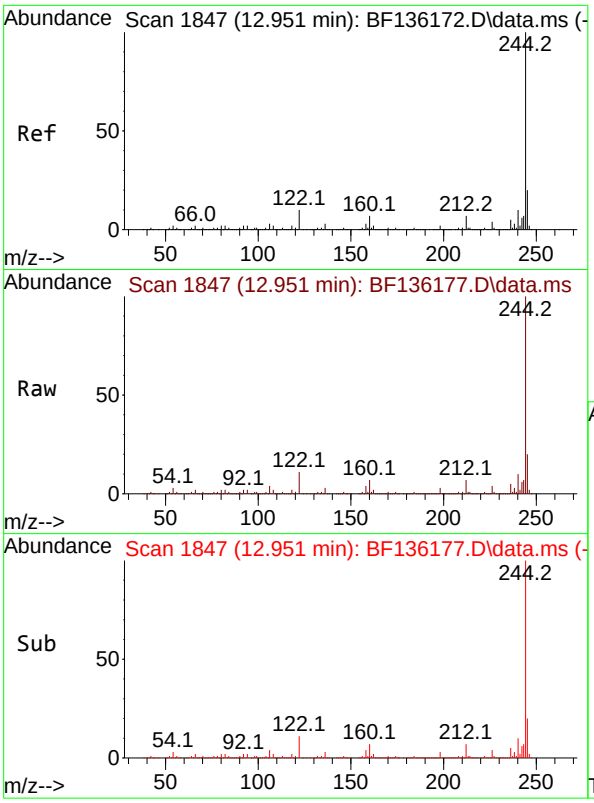


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF136177.D
Acq: 07 Nov 2023 15:47

Tgt Ion:240 Resp: 196372

Ion	Ratio	Lower	Upper
240	100		
120	9.5	7.1	10.7
236	24.4	20.9	31.3



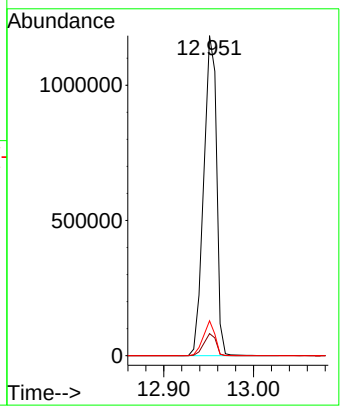


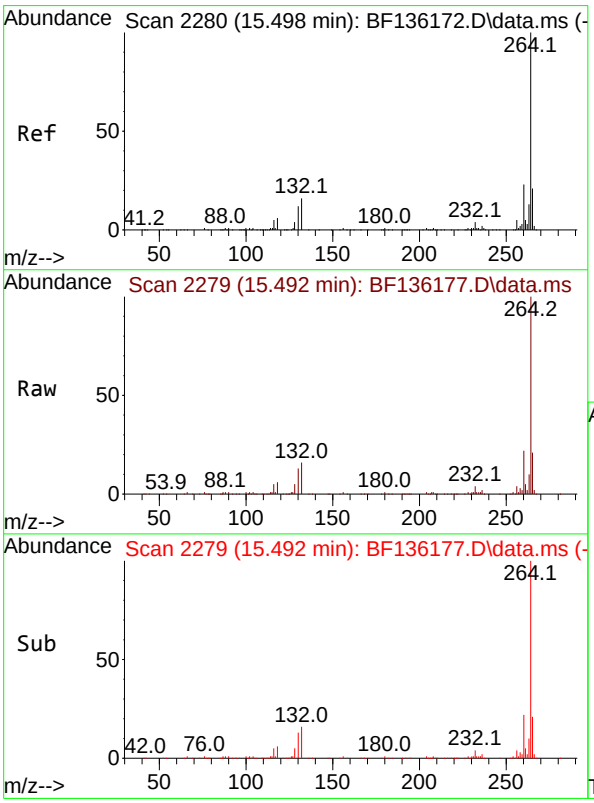
#79
Terphenyl-d14
Concen: 84.882 ng
RT: 12.951 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF136177.D
Acq: 07 Nov 2023 15:47

Instrument :
BNA_F
ClientSampleId :
PB156921BL

Tgt Ion:244 Resp: 1174267

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	10.9	8.1	12.1

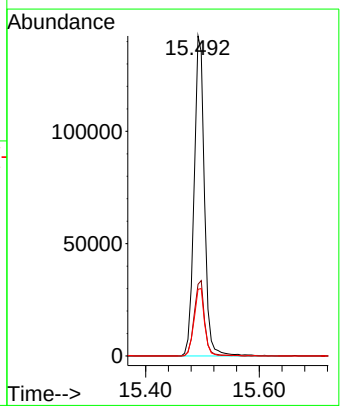




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.492 min Scan# 2279
Delta R.T. -0.006 min
Lab File: BF136177.D
Acq: 07 Nov 2023 15:47

Tgt Ion:264 Resp: 181071

Ion	Ratio	Lower	Upper
264	100		
260	22.4	18.5	27.7
265	20.9	16.9	25.3



Sample Results: **BF136177.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110723\
Data File : BF136177.D
Acq On : 07 Nov 2023 15:47
Operator : CG\JU
Sample : PB156921BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB156921BL

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110723.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF136177.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.075	505	508	514	rVB	29719	37645	1.20%	0.187%
2	5.457	567	573	576	rBV	2475270	2518207	80.40%	12.480%
3	6.451	736	742	745	rBV	2061583	2504493	79.96%	12.412%
4	6.816	801	804	808	rVB	714301	550560	17.58%	2.728%
5	7.381	895	900	903	rBV	1683536	1676448	53.53%	8.308%
6	8.098	1018	1022	1025	rBV	930985	722778	23.08%	3.582%
7	9.181	1201	1206	1209	rBV	3898505	3131990	100.00%	15.522%
8	9.857	1317	1321	1324	rBV	1011857	815673	26.04%	4.042%
9	10.651	1451	1456	1459	rBV	2121964	1890463	60.36%	9.369%
10	11.351	1571	1575	1578	rBV	911897	806669	25.76%	3.998%
11	12.951	1843	1847	1850	rBV	3133229	3012309	96.18%	14.929%
12	14.004	2022	2026	2030	rBV	632736	523517	16.72%	2.594%
13	14.110	2040	2044	2048	rBV2	47245	46288	1.48%	0.229%
14	14.504	2107	2111	2118	rBV	115713	125070	3.99%	0.620%
15	14.898	2173	2178	2189	rBV	148693	205416	6.56%	1.018%
16	15.351	2249	2255	2267	rBV	163819	254262	8.12%	1.260%
17	15.492	2274	2279	2288	rBV	364096	454708	14.52%	2.253%
18	15.880	2337	2345	2358	rBV2	129281	261132	8.34%	1.294%
19	16.510	2443	2452	2468	rBV3	94759	241779	7.72%	1.198%
20	17.274	2573	2582	2594	rBV4	68296	205070	6.55%	1.016%
21	18.227	2732	2744	2762	rBV5	50675	193698	6.18%	0.960%

Sum of corrected areas: 20178175

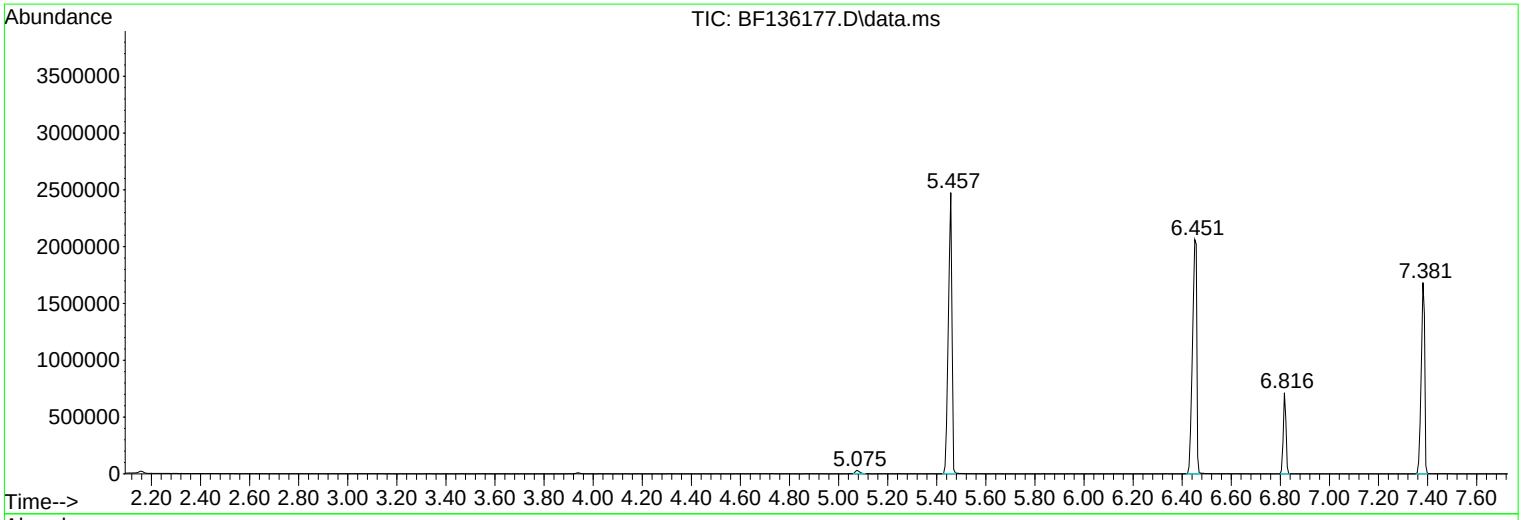
Sample Results: **BF136177.D**

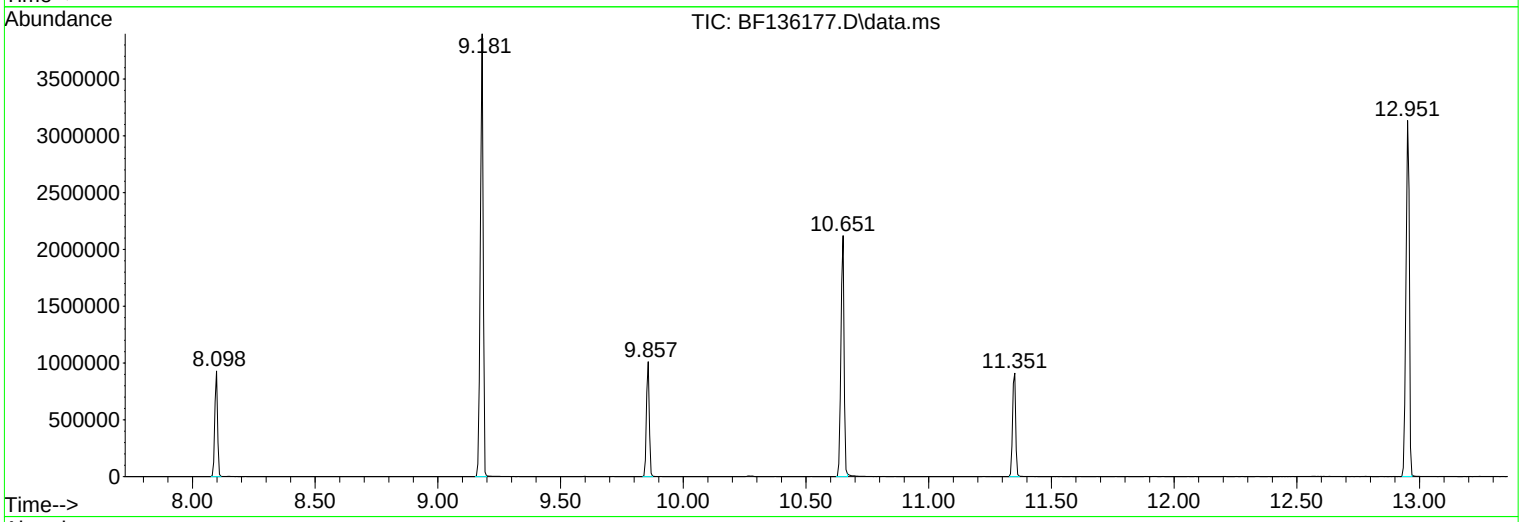
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110723\
Data File : BF136177.D
Acq On : 07 Nov 2023 15:47
Operator : CG\JU
Sample : PB156921BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

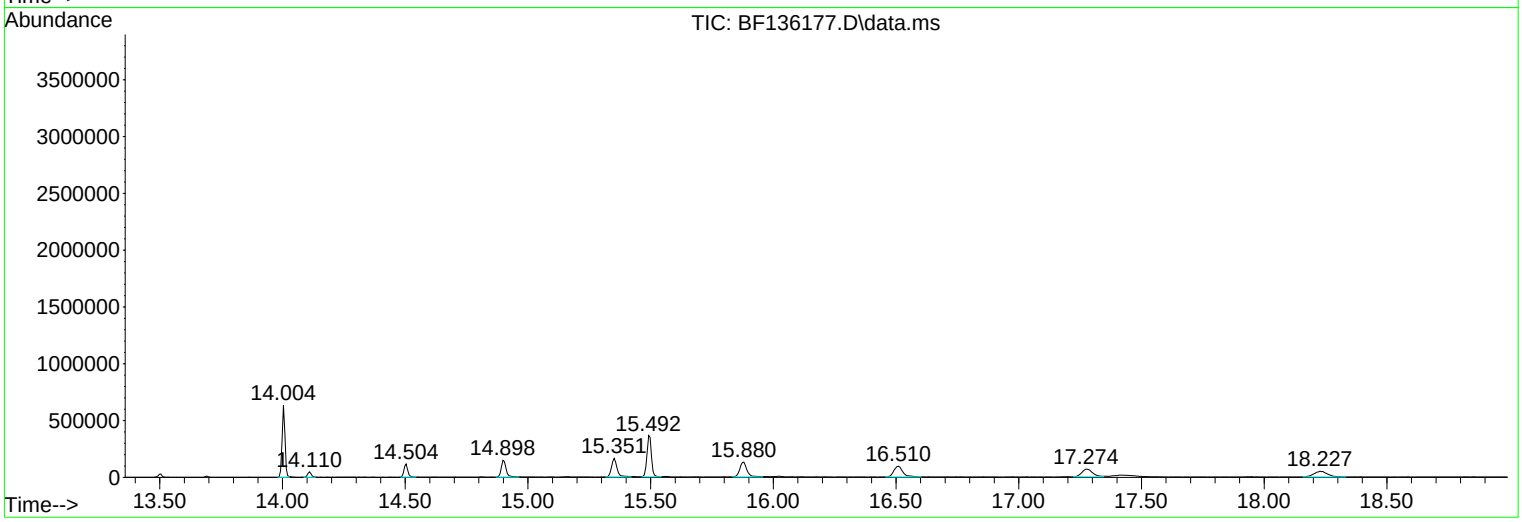
Instrument :
BNA_F
ClientSampleId :
PB156921BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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







Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110723\
Data File : BF136177.D
Acq On : 07 Nov 2023 15:47
Operator : CG\JU
Sample : PB156921BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB156921BL

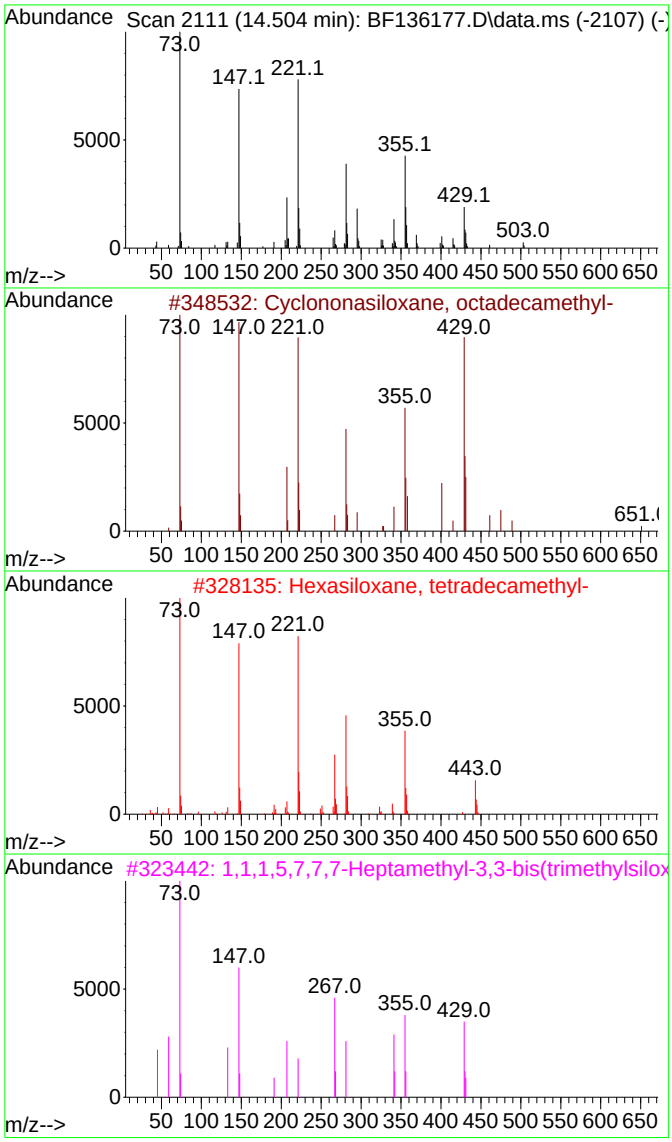
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

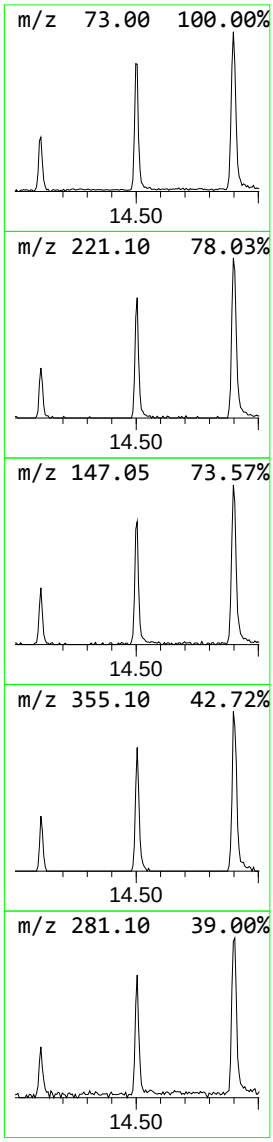
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Cyclononasiloxane, octadeca... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.504	4.78 ng	125070	Chrysene-d12	14.004

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclononasiloxane, octadecamethyl-	666	C18H54O9Si9	000556-71-8	87
2	Hexasiloxane, tetradecamethyl-	458	C14H42O5Si6	000107-52-8	87
3	1,1,1,5,7,7,7-Heptamethyl-3,3-bi...	444	C13H40O5Si6	038147-00-1	37
4	Mercaptoacetic acid, 2TMS deriva...	236	C8H20O2SSi2	006398-62-5	37
5	N-Benzyl-N-ethyl-p-isopropylbenz...	281	C19H23NO	015089-22-2	30





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110723\
Data File : BF136177.D
Acq On : 07 Nov 2023 15:47
Operator : CG\JU
Sample : PB156921BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB156921BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

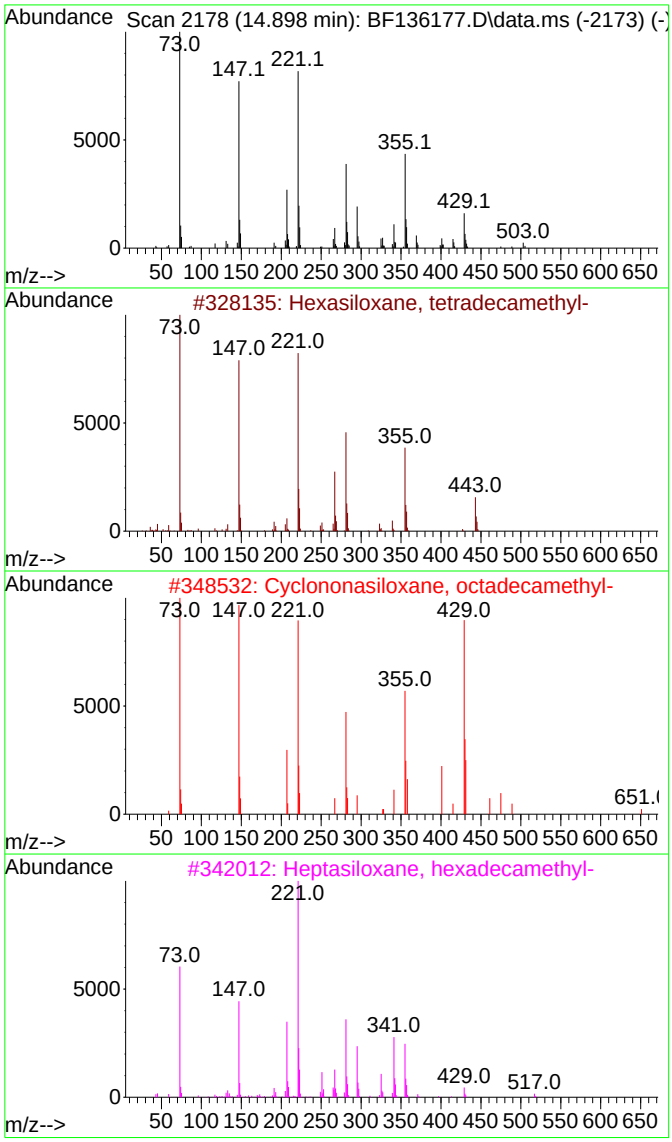
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

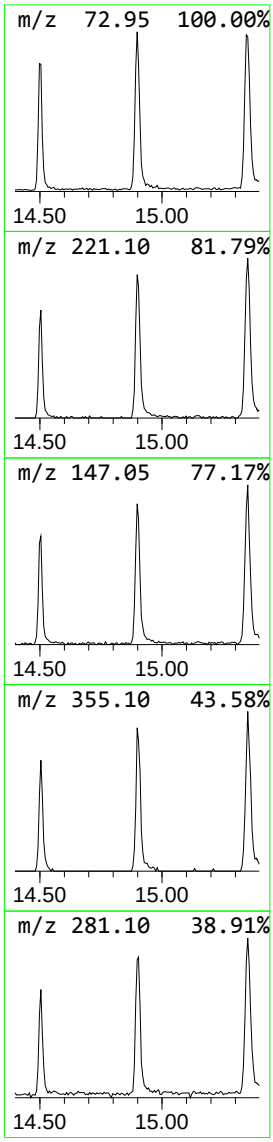
****

Peak Number 2 Hexasiloxane, tetradecamethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.898	9.04 ng	205416	Perylene-d12	15.492

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexasiloxane, tetradecamethyl-	458	C14H42O5Si6	000107-52-8	87
2	Cyclononasiloxane, octadecamethyl-	666	C18H54O9Si9	000556-71-8	83
3	Heptasiloxane, hexadecamethyl-	532	C16H48O6Si7	000541-01-5	58
4	3,6-Dioxa-2,4,5,7-tetrasilaoctan...	294	C10H30O2Si4	004342-25-0	47
5	Mercaptoacetic acid, 2TMS deriva...	236	C8H20O2SSi2	006398-62-5	37





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110723\
Data File : BF136177.D
Acq On : 07 Nov 2023 15:47
Operator : CG\JU
Sample : PB156921BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB156921BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

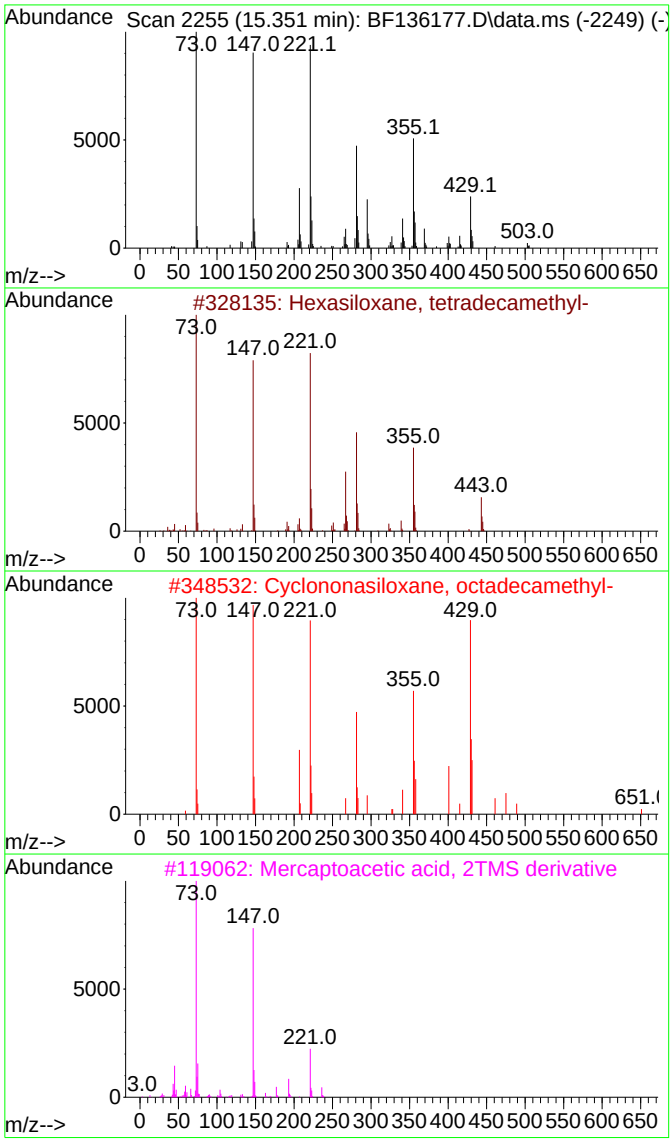
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

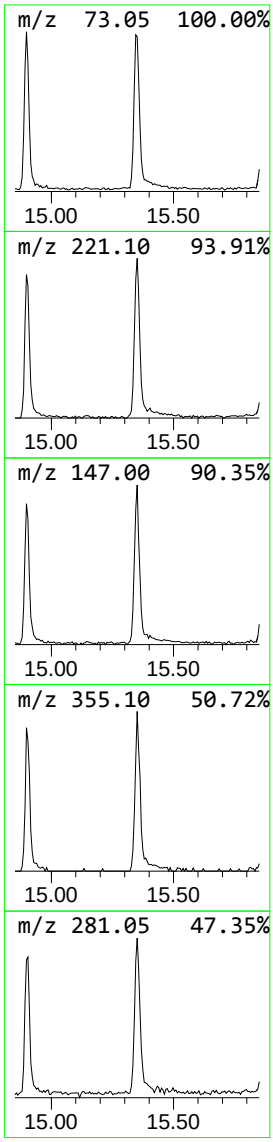
****

Peak Number 3 unknown15.351 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.351	11.18 ng	254262	Perylene-d12	15.492

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexasiloxane, tetradecamethyl-	458	C14H42O5Si6	000107-52-8	87
2	Cyclononasiloxane, octadecamethyl-	666	C18H54O9Si9	000556-71-8	80
3	Mercaptoacetic acid, 2TMS deriva...	236	C8H20O2SSi2	006398-62-5	37
4	1,1,1,3,3,5,5,7,7,9,9,11,11,13,1...	680	C20H60O8Si9	002652-13-3	37
5	Pentasiloxane, dodecamethyl-	384	C12H36O4Si5	000141-63-9	30





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110723\
Data File : BF136177.D
Acq On : 07 Nov 2023 15:47
Operator : CG\JU
Sample : PB156921BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB156921BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

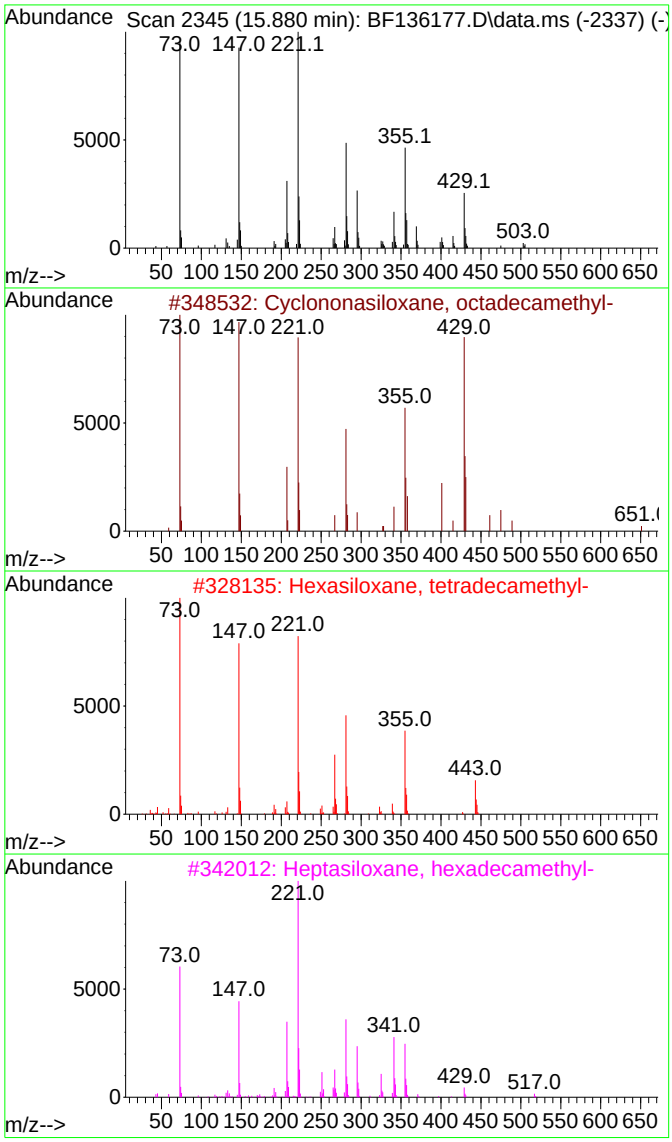
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

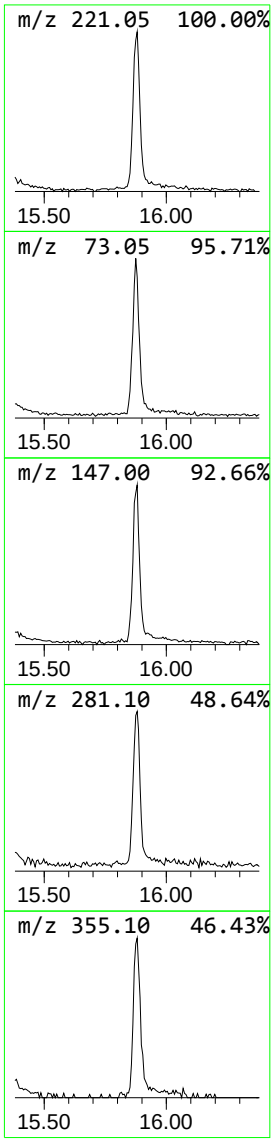
****

Peak Number 4 unknown15.880 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.880	11.49 ng	261132	Perylene-d12	15.492

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclononasiloxane, octadecamethyl-	666	C18H54O9Si9	000556-71-8	86
2	Hexasiloxane, tetradecamethyl-	458	C14H42O5Si6	000107-52-8	81
3	Heptasiloxane, hexadecamethyl-	532	C16H48O6Si7	000541-01-5	42
4	Mercaptoacetic acid, 2TMS deriva...	236	C8H20O2SSi2	006398-62-5	32
5	N-Benzyl-N-ethyl-p-isopropylbenz...	281	C19H23NO	015089-22-2	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110723\
Data File : BF136177.D
Acq On : 07 Nov 2023 15:47
Operator : CG\JU
Sample : PB156921BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB156921BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

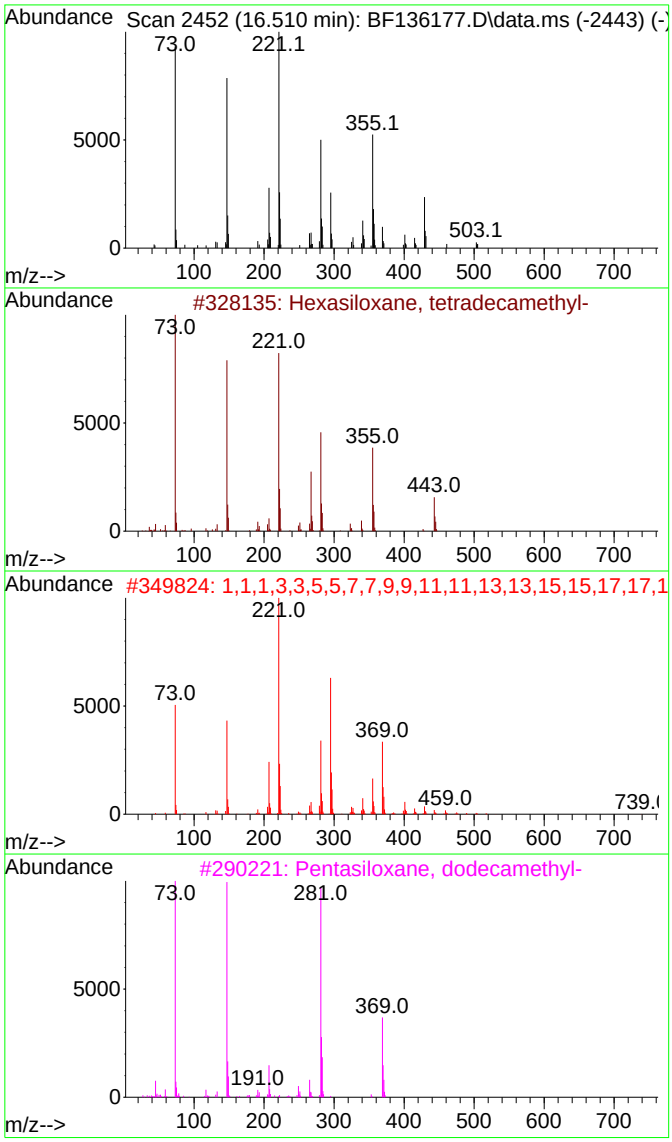
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

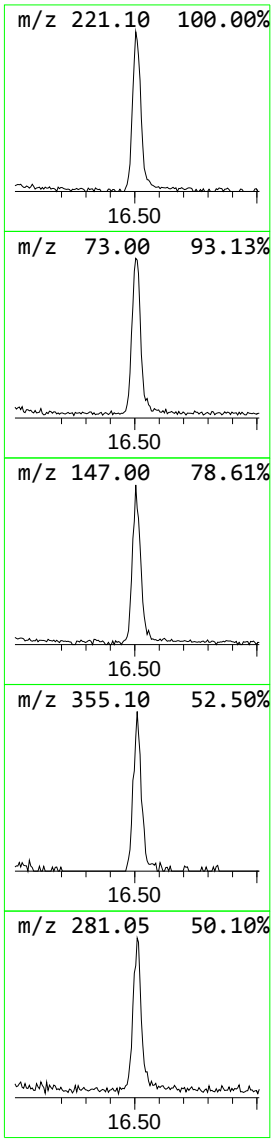
****

Peak Number 5 unknown16.510 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.510	10.63 ng	241779	Perylene-d12	15.492

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexasiloxane, tetradecamethyl-	458	C14H42O5Si6	000107-52-8	83
2	1,1,1,3,3,5,5,7,7,9,9,11,11,13,1...	754	C22H66O9Si10	000556-70-7	49
3	Pentasiloxane, dodecamethyl-	384	C12H36O4Si5	000141-63-9	38
4	1,1,1,3,3,5,5,7,7,9,9,11,11,13,1...	680	C20H60O8Si9	002652-13-3	38
5	Mercaptoacetic acid, 2TMS deriva...	236	C8H20O2SSi2	006398-62-5	37





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110723\
Data File : BF136177.D
Acq On : 07 Nov 2023 15:47
Operator : CG\JU
Sample : PB156921BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB156921BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

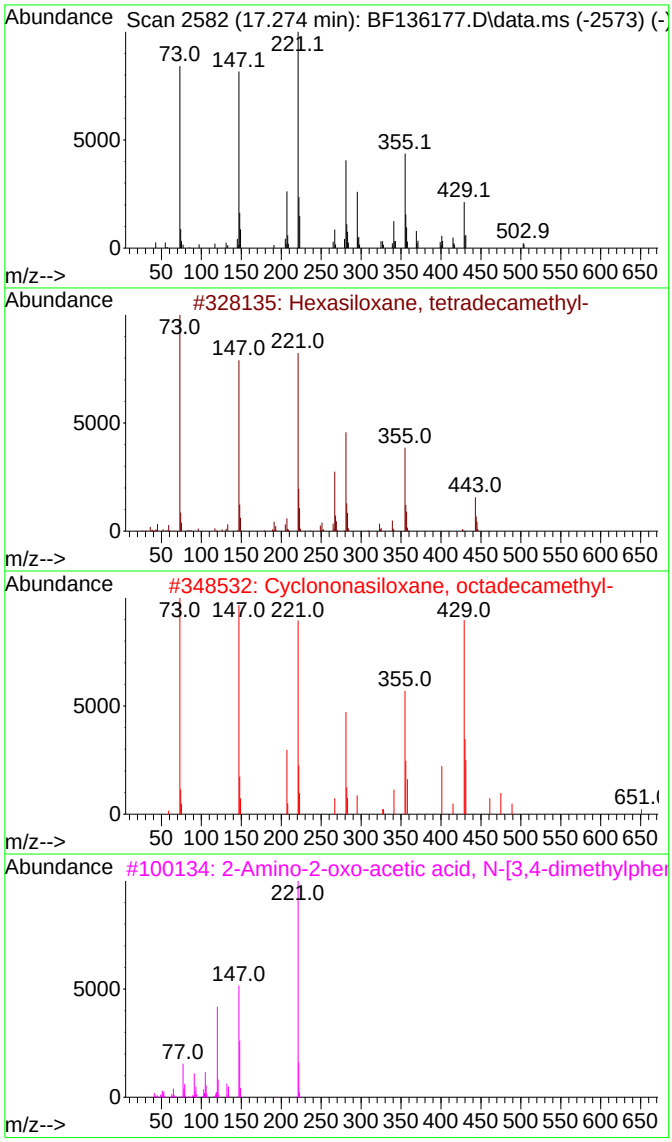
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

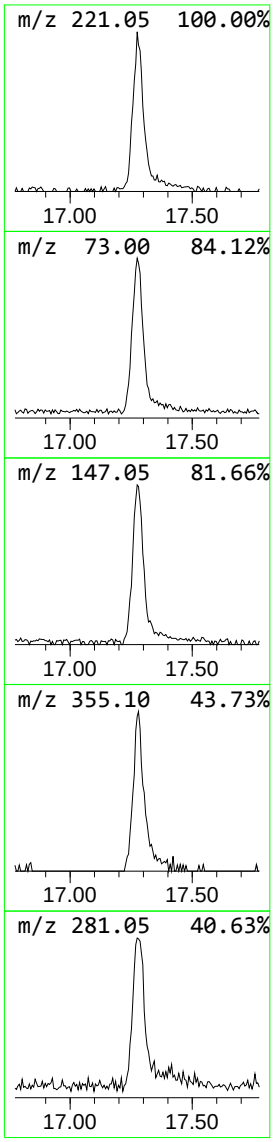
****

Peak Number 6 unknown17.274 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.274	9.02 ng	205070	Perylene-d12	15.492

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexasiloxane, tetradecamethyl-	458	C14H42O5Si6	000107-52-8	72
2	Cyclononasiloxane, octadecamethyl-	666	C18H54O9Si9	000556-71-8	58
3	2-Amino-2-oxo-acetic acid, N-[3,...	221	C12H15NO3	024451-17-0	37
4	3,6-Dioxa-2,4,5,7-tetrasilaoctan...	294	C10H30O2Si4	004342-25-0	37
5	N-Benzyl-N-ethyl-p-isopropylbenz...	281	C19H23NO	015089-22-2	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110723\
Data File : BF136177.D
Acq On : 07 Nov 2023 15:47
Operator : CG\JU
Sample : PB156921BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB156921BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

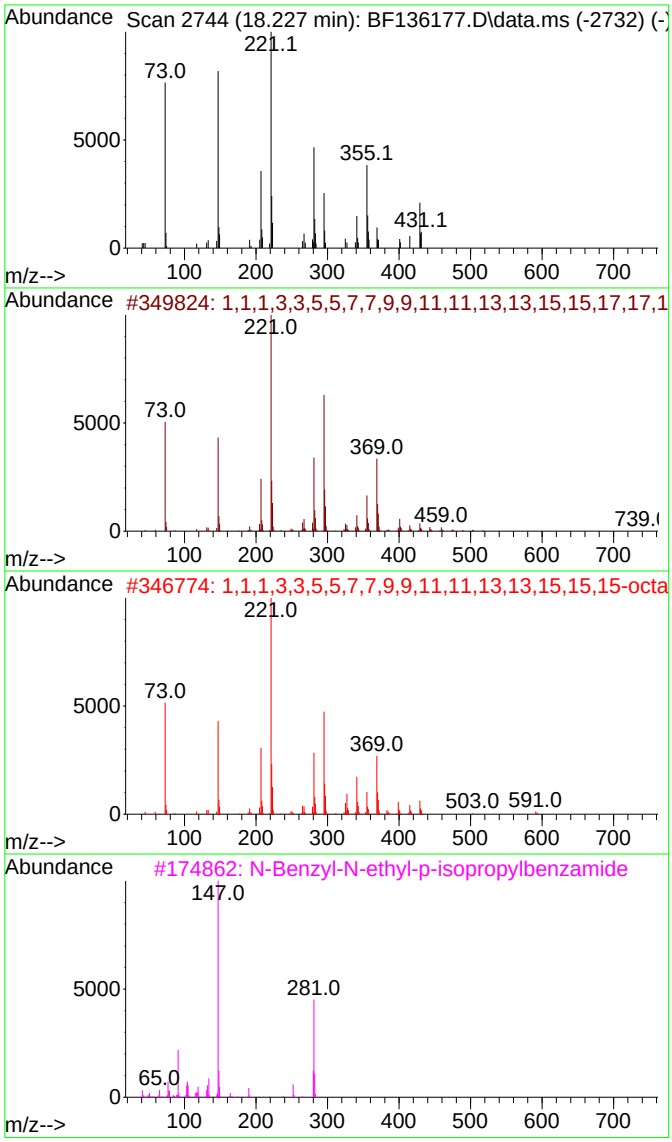
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

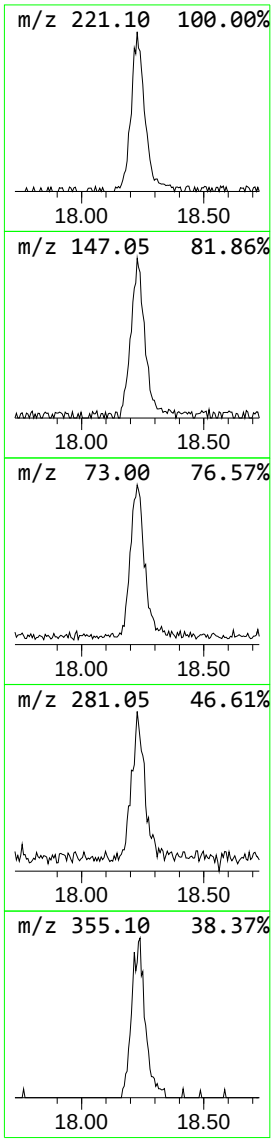
****

Peak Number 7 1,1,1,3,3,5,5,7,7,9,9,11,11... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.227	8.52 ng	193698	Perylene-d12	15.492

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1,1,3,3,5,5,7,7,9,9,11,11,13,1...	754	C22H66O9Si10	000556-70-7	50
2	1,1,1,3,3,5,5,7,7,9,9,11,11,13,1...	606	C18H54O7Si8	000556-69-4	38
3	N-Benzyl-N-ethyl-p-isopropylbenz...	281	C19H23NO	015089-22-2	25
4	Pentasiloxane, dodecamethyl-	384	C12H36O4Si5	000141-63-9	22
5	3-Isopropoxy-1,1,1,7,7,7-hexamet...	576	C18H52O7Si7	071579-69-6	16





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110723\
Data File : BF136177.D
Acq On : 07 Nov 2023 15:47
Operator : CG\JU
Sample : PB156921BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB156921BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110723.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
Cyclononasiloxa...	14.504	4.8	ng	125070	5	14.004	523517	20.0
Hexasiloxane, t...	14.898	9.0	ng	205416	6	15.492	454708	20.0
unknown15.351	15.351	11.2	ng	254262	6	15.492	454708	20.0
unknown15.880	15.880	11.5	ng	261132	6	15.492	454708	20.0
unknown16.510	16.510	10.6	ng	241779	6	15.492	454708	20.0
unknown17.274	17.274	9.0	ng	205070	6	15.492	454708	20.0
1,1,1,3,3,5,5,7...	18.227	8.5	ng	193698	6	15.492	454708	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110723\
Data File : BF136178.D
Acq On : 07 Nov 2023 16:18
Operator : CG\JU
Sample : PB156921BS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 08 02:57:18 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 08 02:12:01 2023
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB156921BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/09/2023
Supervised By :mohammad ahmed 11/09/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	87663	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	351885	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	189065	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	332026	20.000	ng	0.00
76) Chrysene-d12	14.010	240	171609	20.000	ng	0.00
86) Perylene-d12	15.498	264	179783	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	699534	127.058	ng	0.01
7) Phenol-d6	6.457	99	843094	124.445	ng	0.00
23) Nitrobenzene-d5	7.386	82	517686	82.096	ng	0.00
42) 2,4,6-Tribromophenol	10.657	330	260670	131.641	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	1007868	78.800	ng	0.00
79) Terphenyl-d14	12.957	244	1017671	84.177	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.651	88	86029	39.020	ng	99
3) Pyridine	3.404	79	187528	31.656	ng	96
4) n-Nitrosodimethylamine	3.369	42	119295	43.904	ng	97
6) Aniline	6.486	93	284166	33.094	ng	100
8) 2-Chlorophenol	6.604	128	263978	44.540	ng	99
9) Benzaldehyde	6.369	77	83750	21.382	ng	96
10) Phenol	6.475	94	314329	42.484	ng	87
11) bis(2-Chloroethyl)ether	6.563	93	237170	43.615	ng	100
12) 1,3-Dichlorobenzene	6.763	146	275301	44.035	ng	99
13) 1,4-Dichlorobenzene	6.839	146	278837	44.480	ng	99
14) 1,2-Dichlorobenzene	6.986	146	262876	44.613	ng	98
15) Benzyl Alcohol	6.963	79	219560	43.332	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.098	45	323044	45.474	ng	99
17) 2-Methylphenol	7.075	107	202710	40.992	ng	97
18) Hexachloroethane	7.328	117	103497	45.240	ng	98
19) n-Nitroso-di-n-propyla...	7.239	70	171599	43.878	ng	96
20) 3+4-Methylphenols	7.228	107	257573	41.737	ng	97
22) Acetophenone	7.233	105	357605	44.017	ng	97
24) Nitrobenzene	7.404	77	264025	43.023	ng	99
25) Isophorone	7.639	82	480147	44.122	ng	100
26) 2-Nitrophenol	7.716	139	132849	44.665	ng	96
27) 2,4-Dimethylphenol	7.757	122	227244	45.485	ng	99
28) bis(2-Chloroethoxy)met...	7.857	93	288121	43.902	ng	99
29) 2,4-Dichlorophenol	7.957	162	216315	44.406	ng	98
30) 1,2,4-Trichlorobenzene	8.045	180	238325	43.939	ng	96
31) Naphthalene	8.128	128	739123	42.640	ng	100
32) Benzoic acid	7.880	122	152731	42.063	ng	91
33) 4-Chloroaniline	8.175	127	221744	30.842	ng	99
34) Hexachlorobutadiene	8.239	225	143861	43.631	ng	98
35) Caprolactam	8.545	113	67189m	47.636	ng	
36) 4-Chloro-3-methylphenol	8.657	107	231251	45.214	ng	98
37) 2-Methylnaphthalene	8.816	142	485378	41.763	ng	98
38) 1-Methylnaphthalene	8.916	142	451933	41.912	ng	100
40) 1,2,4,5-Tetrachloroben...	8.980	216	235075	41.487	ng	98
41) Hexachlorocyclopentadiene	8.969	237	271652	92.969	ng	98
43) 2,4,6-Trichlorophenol	9.092	196	153946	43.389	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110723\
Data File : BF136178.D
Acq On : 07 Nov 2023 16:18
Operator : CG\JU
Sample : PB156921BS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 08 02:57:18 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 08 02:12:01 2023
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB156921BS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/09/2023
Supervised By :mohammad ahmed 11/09/2023

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.139	196	166967	40.849	ng		96
46) 1,1'-Biphenyl	9.286	154	618059	41.660	ng		98
47) 2-Chloronaphthalene	9.310	162	465700	42.946	ng		97
48) 2-Nitroaniline	9.404	65	144560	43.724	ng		88
49) Acenaphthylene	9.722	152	700951	41.877	ng		99
50) Dimethylphthalate	9.586	163	551973	43.210	ng		99
51) 2,6-Dinitrotoluene	9.651	165	121796	43.939	ng	#	86
52) Acenaphthene	9.898	154	522615m	46.877	ng		
53) 3-Nitroaniline	9.816	138	108904	36.849	ng		99
54) 2,4-Dinitrophenol	9.922	184	119485	87.821	ng		96
55) Dibenzofuran	10.069	168	652688	42.108	ng		98
56) 4-Nitrophenol	9.980	139	185297	94.349	ng		97
57) 2,4-Dinitrotoluene	10.051	165	164414	46.701	ng	#	87
58) Fluorene	10.416	166	502114	42.681	ng		98
59) 2,3,4,6-Tetrachlorophenol	10.186	232	143432	46.300	ng		94
60) Diethylphthalate	10.292	149	545656	42.578	ng		99
61) 4-Chlorophenyl-phenyle...	10.404	204	253580	42.402	ng		100
62) 4-Nitroaniline	10.433	138	119357	44.313	ng		90
63) Azobenzene	10.569	77	491704	43.852	ng		96
65) 4,6-Dinitro-2-methylph...	10.463	198	83357	44.047	ng		87
66) n-Nitrosodiphenylamine	10.527	169	454804	43.176	ng		98
67) 4-Bromophenyl-phenylether	10.898	248	159395	43.104	ng		95
68) Hexachlorobenzene	10.963	284	182851	46.575	ng	#	91
69) Atrazine	11.057	200	98176	36.789	ng		97
70) Pentachlorophenol	11.157	266	187241	85.275	ng		99
71) Phenanthrene	11.380	178	746009	43.876	ng		98
72) Anthracene	11.433	178	748752	43.142	ng		100
73) Carbazole	11.586	167	636458	45.765	ng		99
74) Di-n-butylphthalate	11.927	149	756343	45.972	ng		99
75) Fluoranthene	12.574	202	703604	45.315	ng		100
77) Benzidine	12.698	184	154093	51.856	ng		98
78) Pyrene	12.804	202	692887	43.177	ng		98
80) Butylbenzylphthalate	13.433	149	235065	45.970	ng		96
81) Benzo(a)anthracene	13.998	228	503529	44.237	ng		99
82) 3,3'-Dichlorobenzidine	13.968	252	164095	44.907	ng		98
83) Chrysene	14.039	228	483148	43.386	ng		100
84) Bis(2-ethylhexyl)phtha...	14.004	149	282374	45.751	ng	#	99
85) Di-n-octyl phthalate	14.621	149	464345	44.936	ng		99
87) Indeno(1,2,3-cd)pyrene	17.021	276	611219	46.401	ng		99
88) Benzo(b)fluoranthene	15.062	252	475107	47.865	ng		99
89) Benzo(k)fluoranthene	15.092	252	486014	48.624	ng		99
90) Benzo(a)pyrene	15.439	252	432073	44.133	ng		98
91) Dibenzo(a,h)anthracene	17.045	278	507963	46.530	ng		99
92) Benzo(g,h,i)perylene	17.480	276	498898	45.075	ng		97

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

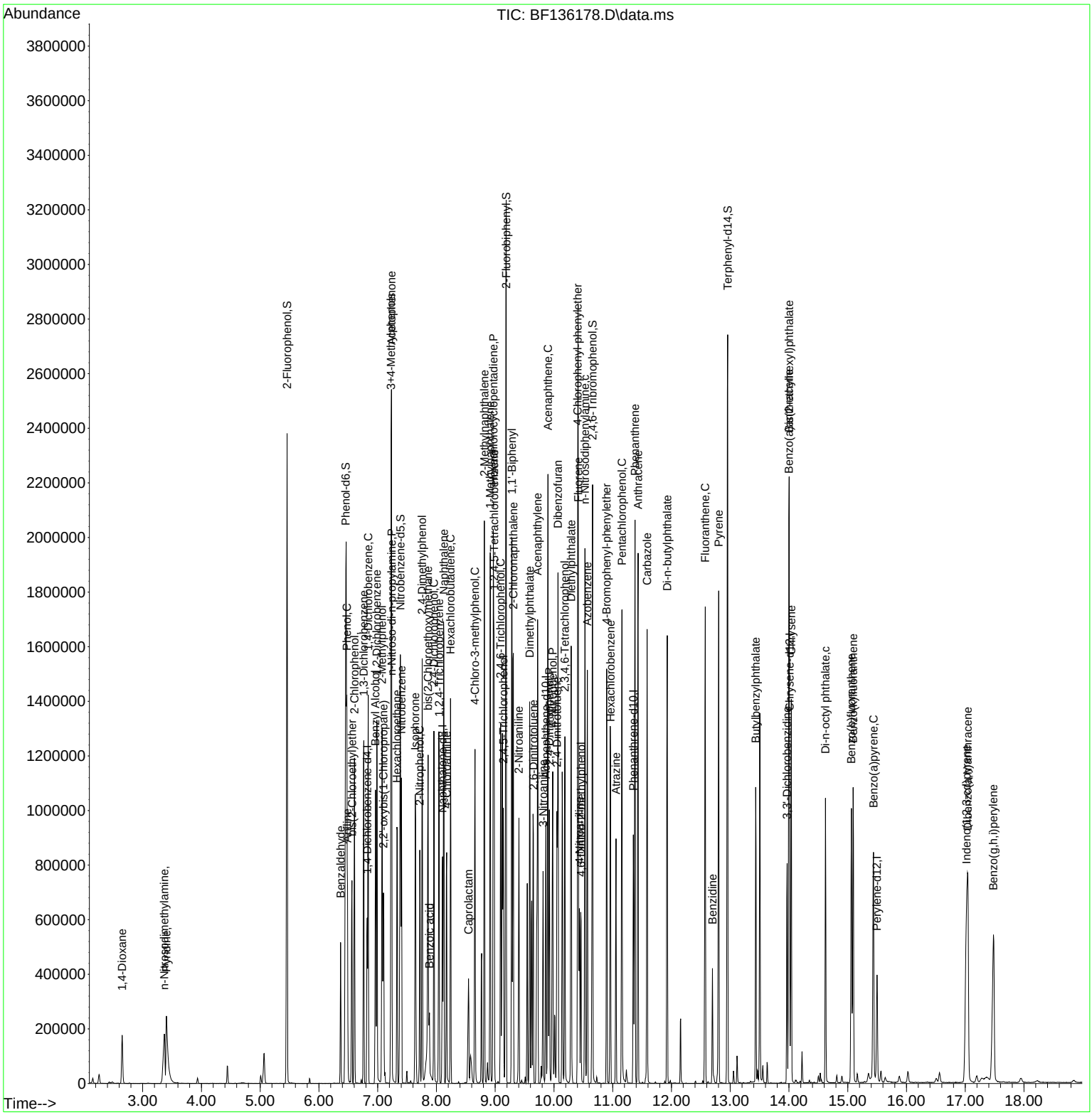
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110723\
Data File : BF136178.D
Acq On : 07 Nov 2023 16:18
Operator : CG\JU
Sample : PB156921BS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 08 02:57:18 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 08 02:12:01 2023
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB156921BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/09/2023
Supervised By :mohammad ahmed 11/09/2023



Sample Results: **BF136162.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110623\
Data File : BF136162.D
Acq On : 06 Nov 2023 18:59
Operator : CG\JU
Sample : 05257-05MS
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 06 23:30:25 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 06 00:53:35 2023
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
WC-2MS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/08/2023
Supervised By :mohammad ahmed 11/08/2023

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.822	152	84798	20.000	ng		0.00
21) Naphthalene-d8	8.104	136	326584	20.000	ng	#	0.00
39) Acenaphthene-d10	9.863	164	167090	20.000	ng		0.00
64) Phenanthrene-d10	11.351	188	266358	20.000	ng		0.00
76) Chrysene-d12	14.010	240	168860	20.000	ng		0.00
86) Perylene-d12	15.498	264	162522	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.457	112	602360	111.625	ng		0.01
7) Phenol-d6	6.457	99	743962	110.651	ng		0.00
23) Nitrobenzene-d5	7.386	82	466639	86.135	ng		0.00
42) 2,4,6-Tribromophenol	10.657	330	208128	116.698	ng		0.00
45) 2-Fluorobiphenyl	9.180	172	886940	84.617	ng		0.00
79) Terphenyl-d14	12.951	244	758175	69.775	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.657	88	88896	37.831	ng		99
3) Pyridine	3.404	79	217607	33.928	ng		95
4) n-Nitrosodimethylamine	3.375	42	123223	45.950	ng	#	85
6) Aniline	6.487	93	268899	30.891	ng		99
8) 2-Chlorophenol	6.604	128	278091	48.202	ng		99
9) Benzaldehyde	6.369	77	55918	14.915	ng		98
10) Phenol	6.475	94	327402m	47.080	ng		
11) bis(2-Chloroethyl)ether	6.563	93	250219	45.961	ng		98
12) 1,3-Dichlorobenzene	6.763	146	292387	48.694	ng		97
13) 1,4-Dichlorobenzene	6.839	146	293318	48.743	ng		98
14) 1,2-Dichlorobenzene	6.986	146	277604	49.336	ng		95
15) Benzyl Alcohol	6.963	79	234461	49.181	ng		94
16) 2,2'-oxybis(1-Chloropr...	7.098	45	331864	44.287	ng		100
17) 2-Methylphenol	7.075	107	211999	43.316	ng		95
18) Hexachloroethane	7.328	117	104287	49.307	ng		99
19) n-Nitroso-di-n-propyla...	7.239	70	176976	46.068	ng		96
20) 3+4-Methylphenols	7.228	107	266448	44.646	ng		97
22) Acetophenone	7.234	105	371515	51.302	ng	#	92
24) Nitrobenzene	7.404	77	273124	49.840	ng		93
25) Isophorone	7.639	82	495546	48.451	ng		97
26) 2-Nitrophenol	7.716	139	138836	55.529	ng	#	85
27) 2,4-Dimethylphenol	7.757	122	208182	44.063	ng		97
28) bis(2-Chloroethoxy)met...	7.857	93	299465	47.787	ng		98
29) 2,4-Dichlorophenol	7.957	162	228119	51.217	ng		95
30) 1,2,4-Trichlorobenzene	8.045	180	245133	50.451	ng		99
31) Naphthalene	8.128	128	763253	48.465	ng		99
32) Benzoic acid	7.881	122	172076	45.735	ng		89
33) 4-Chloroaniline	8.169	127	82496	11.962	ng		99
34) Hexachlorobutadiene	8.239	225	149181	53.538	ng		99
35) Caprolactam	8.551	113	73280m	50.598	ng		
36) 4-Chloro-3-methylphenol	8.657	107	241130	51.567	ng		97
37) 2-Methylnaphthalene	8.816	142	494532	46.832	ng		99
38) 1-Methylnaphthalene	8.916	142	480910	48.938	ng		100
40) 1,2,4,5-Tetrachloroben...	8.980	216	243130	51.021	ng		99
41) Hexachlorocyclopentadiene	8.969	237	167514	65.799	ng		99
43) 2,4,6-Trichlorophenol	9.092	196	157027	50.539	ng		98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110623\
Data File : BF136162.D
Acq On : 06 Nov 2023 18:59
Operator : CG\JU
Sample : 05257-05MS
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 06 23:30:25 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 06 00:53:35 2023
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
WC-2MS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/08/2023
Supervised By :mohammad ahmed 11/08/2023

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.139	196	169554	47.110	ng		98
46) 1,1'-Biphenyl	9.286	154	643646	50.531	ng		98
47) 2-Chloronaphthalene	9.310	162	481028	51.227	ng		99
48) 2-Nitroaniline	9.404	65	143248	51.547	ng		100
49) Acenaphthylene	9.722	152	759293	51.833	ng		99
50) Dimethylphthalate	9.586	163	562869	51.070	ng		99
51) 2,6-Dinitrotoluene	9.651	165	122860	52.120	ng		100
52) Acenaphthene	9.898	154	445292	47.817	ng		99
53) 3-Nitroaniline	9.816	138	83369	30.310	ng		94
54) 2,4-Dinitrophenol	9.922	184	83828	67.049	ng	#	84
55) Dibenzofuran	10.069	168	662544	48.792	ng		95
56) 4-Nitrophenol	9.980	139	186350	90.575	ng	#	78
57) 2,4-Dinitrotoluene	10.051	165	158420	53.116	ng		96
58) Fluorene	10.416	166	507306	49.898	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.186	232	137066	47.902	ng		97
60) Diethylphthalate	10.292	149	536740	50.969	ng		100
61) 4-Chlorophenyl-phenyle...	10.404	204	249659	49.194	ng		90
62) 4-Nitroaniline	10.433	138	111321	42.031	ng		91
63) Azobenzene	10.569	77	481356	47.463	ng		97
65) 4,6-Dinitro-2-methylph...	10.457	198	57823	40.533	ng		73
66) n-Nitrosodiphenylamine	10.527	169	444761	55.353	ng		99
67) 4-Bromophenyl-phenylether	10.898	248	154369	55.278	ng	#	93
68) Hexachlorobenzene	10.957	284	165737	55.570	ng	#	86
69) Atrazine	11.057	200	152260	69.647	ng		97
70) Pentachlorophenol	11.157	266	178386	93.131	ng		98
71) Phenanthrene	11.380	178	715998	53.388	ng		99
72) Anthracene	11.427	178	690315	50.233	ng		100
73) Carbazole	11.586	167	561955	47.057	ng		98
74) Di-n-butylphthalate	11.927	149	742586	54.419	ng		99
75) Fluoranthene	12.574	202	680233	49.373	ng		96
77) Benzidine	12.698	184	271143	82.384	ng		100
78) Pyrene	12.804	202	673497	45.239	ng		99
80) Butylbenzylphthalate	13.433	149	251615	47.216	ng		99
81) Benzo(a)anthracene	13.998	228	577155	51.628	ng		99
82) 3,3'-Dichlorobenzidine	13.968	252	170070	47.665	ng	#	99
83) Chrysene	14.039	228	558229	50.705	ng		99
84) Bis(2-ethylhexyl)phtha...	14.004	149	320131	51.562	ng		98
85) Di-n-octyl phthalate	14.621	149	563651	60.602	ng		100
87) Indeno(1,2,3-cd)pyrene	17.009	276	393803	37.075	ng		95
88) Benzo(b)fluoranthene	15.062	252	593108	61.675	ng		99
89) Benzo(k)fluoranthene	15.092	252	462100	48.564	ng		99
90) Benzo(a)pyrene	15.439	252	444333m	49.727	ng		
91) Dibenzo(a,h)anthracene	17.033	278	323674	37.201	ng		97
92) Benzo(g,h,i)perylene	17.468	276	299110	31.269	ng		96

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

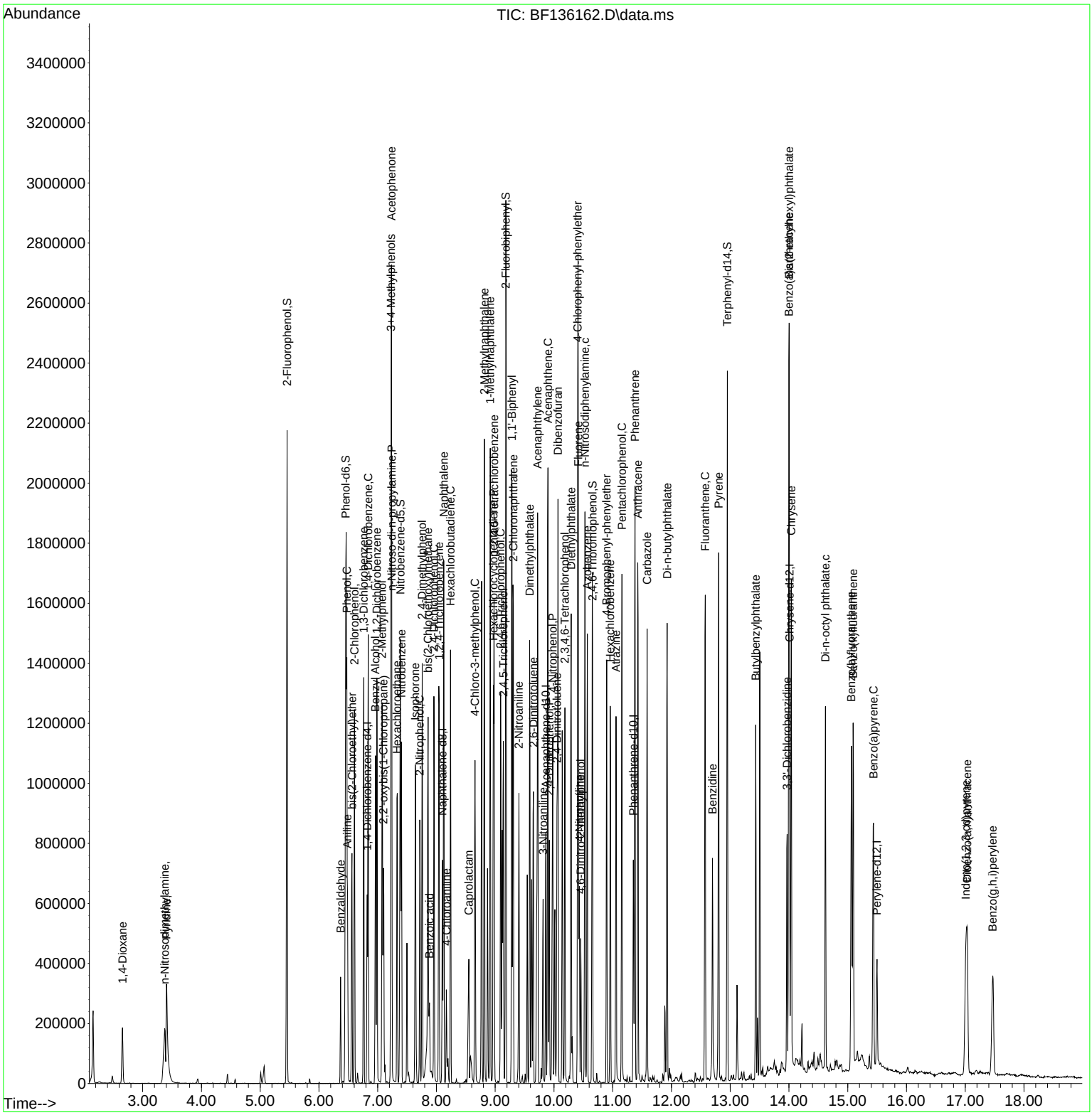
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110623\
Data File : BF136162.D
Acq On : 06 Nov 2023 18:59
Operator : CG\JU
Sample : 05257-05MS
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 06 23:30:25 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 06 00:53:35 2023
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
WC-2MS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/08/2023
Supervised By :mohammad ahmed 11/08/2023



Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110623\
Data File : BF136163.D
Acq On : 06 Nov 2023 19:29
Operator : CG\JU
Sample : 05257-05MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 06 23:31:03 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 06 00:53:35 2023
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
WC-2MSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/08/2023
Supervised By :mohammad ahmed 11/08/2023

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.822	152	84667	20.000	ng		0.00
21) Naphthalene-d8	8.104	136	331240	20.000	ng	#	0.00
39) Acenaphthene-d10	9.863	164	166345	20.000	ng		0.00
64) Phenanthrene-d10	11.351	188	270586	20.000	ng		0.00
76) Chrysene-d12	14.009	240	171083	20.000	ng		0.00
86) Perylene-d12	15.498	264	163710	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.457	112	646016	119.900	ng		0.01
7) Phenol-d6	6.463	99	794287	118.319	ng		0.00
23) Nitrobenzene-d5	7.386	82	496314	90.324	ng		0.00
42) 2,4,6-Tribromophenol	10.657	330	225168	126.817	ng		0.00
45) 2-Fluorobiphenyl	9.186	172	942959	90.365	ng		0.00
79) Terphenyl-d14	12.951	244	829177	75.318	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.657	88	93427	39.821	ng		95
3) Pyridine	3.410	79	231170	36.098	ng		96
4) n-Nitrosodimethylamine	3.381	42	133658	49.919	ng		87
6) Aniline	6.486	93	284175	32.696	ng		99
8) 2-Chlorophenol	6.604	128	297626	51.668	ng		99
9) Benzaldehyde	6.369	77	60669	16.207	ng		97
10) Phenol	6.475	94	347216m	50.007	ng		
11) bis(2-Chloroethyl)ether	6.563	93	261829	48.168	ng		99
12) 1,3-Dichlorobenzene	6.763	146	309055	51.549	ng		96
13) 1,4-Dichlorobenzene	6.839	146	314092	52.276	ng		97
14) 1,2-Dichlorobenzene	6.992	146	295624	52.620	ng		97
15) Benzyl Alcohol	6.969	79	253448	53.246	ng		96
16) 2,2'-oxybis(1-Chloropr...	7.098	45	349086	46.657	ng		98
17) 2-Methylphenol	7.075	107	226680	46.387	ng		94
18) Hexachloroethane	7.333	117	112225	53.142	ng		91
19) n-Nitroso-di-n-propyla...	7.239	70	192459	50.176	ng		96
20) 3+4-Methylphenols	7.233	107	282481	47.405	ng		92
22) Acetophenone	7.233	105	395495	53.845	ng	#	89
24) Nitrobenzene	7.404	77	295166	53.105	ng		94
25) Isophorone	7.645	82	533408	51.420	ng		99
26) 2-Nitrophenol	7.722	139	151493	59.740	ng		98
27) 2,4-Dimethylphenol	7.757	122	220824	46.082	ng		94
28) bis(2-Chloroethoxy)met...	7.857	93	316437	49.786	ng		98
29) 2,4-Dichlorophenol	7.963	162	242840	53.755	ng		99
30) 1,2,4-Trichlorobenzene	8.045	180	266269	54.031	ng		100
31) Naphthalene	8.128	128	829216	51.913	ng		99
32) Benzoic acid	7.886	122	187786m	48.820	ng		
33) 4-Chloroaniline	8.169	127	82587	11.806	ng		97
34) Hexachlorobutadiene	8.239	225	158662	56.140	ng		98
35) Caprolactam	8.557	113	79036m	53.806	ng		
36) 4-Chloro-3-methylphenol	8.657	107	261185	55.071	ng		97
37) 2-Methylnaphthalene	8.816	142	523137	48.845	ng		99
38) 1-Methylnaphthalene	8.916	142	512441	51.414	ng		98
40) 1,2,4,5-Tetrachloroben...	8.980	216	260765	54.967	ng		99
41) Hexachlorocyclopentadiene	8.969	237	199732	78.806	ng		99
43) 2,4,6-Trichlorophenol	9.098	196	172249	55.687	ng		100

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110623\
Data File : BF136163.D
Acq On : 06 Nov 2023 19:29
Operator : CG\JU
Sample : 05257-05MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-2MSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/08/2023
Supervised By :mohammad ahmed 11/08/2023

Quant Time: Nov 06 23:31:03 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 06 00:53:35 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.139	196	179316	50.045	ng		98
46) 1,1'-Biphenyl	9.286	154	683507	53.901	ng		98
47) 2-Chloronaphthalene	9.310	162	511533	54.720	ng		99
48) 2-Nitroaniline	9.404	65	151764	54.856	ng		98
49) Acenaphthylene	9.722	152	815374	55.911	ng		100
50) Dimethylphthalate	9.592	163	601010	54.775	ng		100
51) 2,6-Dinitrotoluene	9.651	165	132953	56.654	ng		98
52) Acenaphthene	9.898	154	477235m	51.477	ng		
53) 3-Nitroaniline	9.816	138	86926	31.745	ng		90
54) 2,4-Dinitrophenol	9.922	184	97817	77.216	ng	#	83
55) Dibenzofuran	10.069	168	709096	52.454	ng		94
56) 4-Nitrophenol	9.980	139	207272	101.195	ng	#	75
57) 2,4-Dinitrotoluene	10.057	165	169458	57.072	ng		95
58) Fluorene	10.416	166	538988	53.252	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.186	232	148158	52.010	ng		97
60) Diethylphthalate	10.292	149	581721	55.488	ng		99
61) 4-Chlorophenyl-phenyle...	10.410	204	267440	52.934	ng		98
62) 4-Nitroaniline	10.433	138	117034	44.386	ng		90
63) Azobenzene	10.569	77	516918	51.198	ng		97
65) 4,6-Dinitro-2-methylph...	10.463	198	65600	44.590	ng		96
66) n-Nitrosodiphenylamine	10.527	169	482464	59.107	ng		99
67) 4-Bromophenyl-phenylether	10.898	248	163941	57.789	ng	#	92
68) Hexachlorobenzene	10.963	284	180071	59.432	ng		98
69) Atrazine	11.063	200	161517	72.727	ng		98
70) Pentachlorophenol	11.157	266	191247	98.285	ng		99
71) Phenanthrene	11.380	178	764659	56.126	ng		99
72) Anthracene	11.433	178	744240	53.310	ng		99
73) Carbazole	11.586	167	618161	50.955	ng		99
74) Di-n-butylphthalate	11.927	149	797035	57.497	ng		99
75) Fluoranthene	12.574	202	744637	53.203	ng		96
77) Benzidine	12.698	184	290371	87.080	ng		100
78) Pyrene	12.804	202	750244	49.739	ng		99
80) Butylbenzylphthalate	13.433	149	273552	50.665	ng		98
81) Benzo(a)anthracene	13.998	228	634241	55.998	ng		99
82) 3,3'-Dichlorobenzidine	13.968	252	181551	50.222	ng	#	97
83) Chrysene	14.039	228	610200	54.705	ng		99
84) Bis(2-ethylhexyl)phtha...	13.998	149	345743	54.964	ng	#	96
85) Di-n-octyl phthalate	14.621	149	614219	65.181	ng		99
87) Indeno(1,2,3-cd)pyrene	17.015	276	442094	41.319	ng		95
88) Benzo(b)fluoranthene	15.062	252	639012	65.966	ng		99
89) Benzo(k)fluoranthene	15.098	252	511001m	53.314	ng		
90) Benzo(a)pyrene	15.439	252	484824	53.865	ng	#	98
91) Dibenzo(a,h)anthracene	17.039	278	365302	41.681	ng	#	96
92) Benzo(g,h,i)perylene	17.474	276	335081	34.451	ng		96

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

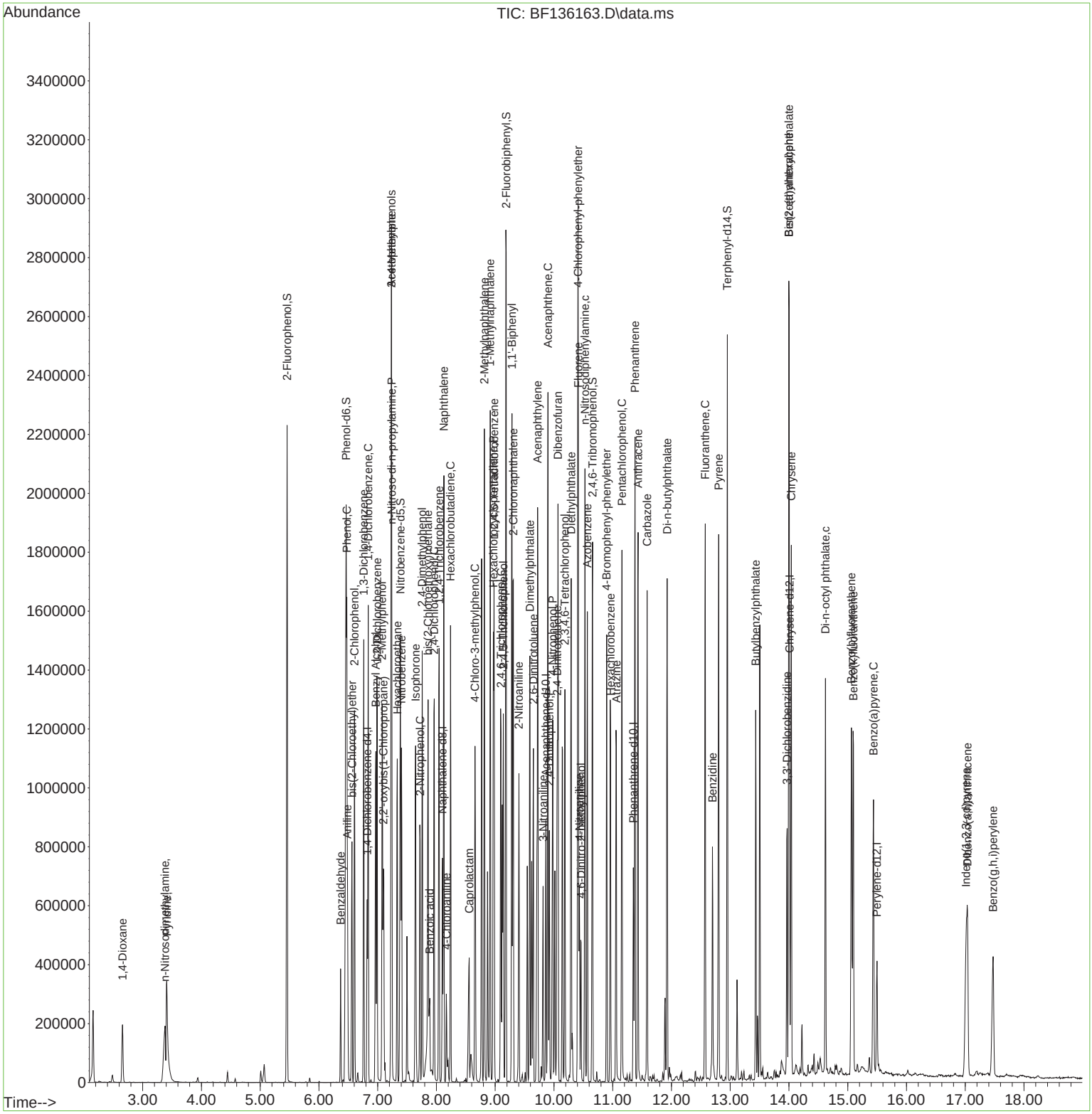
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110623\
Data File : BF136163.D
Acq On : 06 Nov 2023 19:29
Operator : CG\JU
Sample : 05257-05MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 06 23:31:03 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 06 00:53:35 2023
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
WC-2MSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/08/2023
Supervised By :mohammad ahmed 11/08/2023



CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Manual Integration Report

Sequence:	BF103023	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BF136024.D	Phenol	yogesh	10/31/2023 4:26:33 AM	mohammad	10/31/2023 4:53:39 AM	Peak Integrated by Software
SSTDICC020	BF136026.D	Acenaphthene	yogesh	10/31/2023 4:26:35 AM	mohammad	10/31/2023 4:53:42 AM	Peak Integrated by Software
SSTDICC020	BF136026.D	Phenol	yogesh	10/31/2023 4:26:35 AM	mohammad	10/31/2023 4:53:42 AM	Peak Integrated by Software
SSTDICCC040	BF136027.D	Acenaphthene	yogesh	10/31/2023 4:26:37 AM	mohammad	10/31/2023 4:53:44 AM	Peak Integrated by Software
SSTDICCC040	BF136027.D	Benzoic acid	yogesh	10/31/2023 4:26:37 AM	mohammad	10/31/2023 4:53:44 AM	Peak Integrated by Software
SSTDICCC040	BF136027.D	Phenol	yogesh	10/31/2023 4:26:37 AM	mohammad	10/31/2023 4:53:44 AM	Peak Integrated by Software
SSTDICC050	BF136028.D	Acenaphthene	yogesh	10/31/2023 4:26:39 AM	mohammad	10/31/2023 4:53:47 AM	Peak Integrated by Software
SSTDICC050	BF136028.D	Benzoic acid	yogesh	10/31/2023 4:26:39 AM	mohammad	10/31/2023 4:53:47 AM	Peak Integrated by Software
SSTDICC050	BF136028.D	Phenol	yogesh	10/31/2023 4:26:39 AM	mohammad	10/31/2023 4:53:47 AM	Peak Integrated by Software
SSTDICC060	BF136029.D	Acenaphthene	yogesh	10/31/2023 4:26:40 AM	mohammad	10/31/2023 4:53:50 AM	Peak Integrated by Software
SSTDICC060	BF136029.D	Benzoic acid	yogesh	10/31/2023 4:26:40 AM	mohammad	10/31/2023 4:53:50 AM	Peak Integrated by Software
SSTDICC060	BF136029.D	Phenol	yogesh	10/31/2023 4:26:40 AM	mohammad	10/31/2023 4:53:50 AM	Peak Integrated by Software
SSTDICC080	BF136030.D	Acenaphthene	yogesh	10/31/2023 4:26:42 AM	mohammad	10/31/2023 4:53:53 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BF103023	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC080	BF136030.D	Benzoic acid	yogesh	10/31/2023 4:26:42 AM	mohammad	10/31/2023 4:53:53 AM	Peak Integrated by Software
SSTDICC080	BF136030.D	Caprolactam	yogesh	10/31/2023 4:26:42 AM	mohammad	10/31/2023 4:53:53 AM	Peak Integrated by Software
SSTDICC080	BF136030.D	Phenol	yogesh	10/31/2023 4:26:42 AM	mohammad	10/31/2023 4:53:53 AM	Peak Integrated by Software
SSTDICV040	BF136031.D	Acenaphthene	yogesh	10/31/2023 4:26:46 AM	mohammad	10/31/2023 4:53:55 AM	Peak Integrated by Software
SSTDICV040	BF136031.D	Benzoic acid	yogesh	10/31/2023 4:26:46 AM	mohammad	10/31/2023 4:53:55 AM	Peak Integrated by Software
SSTDICV040	BF136031.D	Phenol	yogesh	10/31/2023 4:26:46 AM	mohammad	10/31/2023 4:53:55 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BF110623	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF136149.D	Acenaphthene	yogesh	11/8/2023 12:35:36 AM	mohammad	11/8/2023 1:02:43 AM	Peak Integrated by Software
SSTDCCC040	BF136149.D	Benzoic acid	yogesh	11/8/2023 12:35:36 AM	mohammad	11/8/2023 1:02:43 AM	Peak Integrated by Software
SSTDCCC040	BF136149.D	Phenol	yogesh	11/8/2023 12:35:36 AM	mohammad	11/8/2023 1:02:43 AM	Peak Integrated by Software
O5257-05MS	BF136162.D	Benzo(a)pyrene	yogesh	11/8/2023 12:36:14 AM	mohammad	11/8/2023 1:02:43 AM	Peak Integrated by Software
O5257-05MS	BF136162.D	Caprolactam	yogesh	11/8/2023 12:36:14 AM	mohammad	11/8/2023 1:02:43 AM	Peak Integrated by Software
O5257-05MS	BF136162.D	Phenol	yogesh	11/8/2023 12:36:14 AM	mohammad	11/8/2023 1:02:43 AM	Peak Integrated by Software
O5257-05MSD	BF136163.D	Acenaphthene	yogesh	11/8/2023 12:36:15 AM	mohammad	11/8/2023 1:02:43 AM	Peak Integrated by Software
O5257-05MSD	BF136163.D	Benzo(k)fluoranthene	yogesh	11/8/2023 12:36:15 AM	mohammad	11/8/2023 1:02:43 AM	Peak Integrated by Software
O5257-05MSD	BF136163.D	Benzoic acid	yogesh	11/8/2023 12:36:15 AM	mohammad	11/8/2023 1:02:43 AM	Peak Integrated by Software
O5257-05MSD	BF136163.D	Caprolactam	yogesh	11/8/2023 12:36:15 AM	mohammad	11/8/2023 1:02:43 AM	Peak Integrated by Software
O5257-05MSD	BF136163.D	Phenol	yogesh	11/8/2023 12:36:15 AM	mohammad	11/8/2023 1:02:43 AM	Peak Integrated by Software
SSTDCCC040	BF136165.D	Acenaphthene	yogesh	11/8/2023 12:36:18 AM	mohammad	11/8/2023 1:02:43 AM	Peak Integrated by Software
SSTDCCC040	BF136165.D	Benzo(k)fluoranthene	yogesh	11/8/2023 12:36:18 AM	mohammad	11/8/2023 1:02:43 AM	Peak Integrated by Software

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Manual Integration Report

Sequence:	BF110623	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF136165.D	Benzoic acid	yogesh	11/8/2023 12:36:18 AM	mohammad	11/8/2023 1:02:43 AM	Peak Integrated by Software
SSTDCCC040	BF136165.D	Phenol	yogesh	11/8/2023 12:36:18 AM	mohammad	11/8/2023 1:02:43 AM	Peak Integrated by Software

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Manual Integration Report

Sequence:	BF110723	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BF136169.D	Phenol	yogesh	11/9/2023 3:21:03 AM	mohammad	11/9/2023 3:24:19 AM	Peak Integrated by Software
SSTDICC010	BF136170.D	Benzo(b)fluoranthene	yogesh	11/9/2023 3:21:05 AM	mohammad	11/9/2023 3:24:19 AM	Peak Integrated by Software
SSTDICCC040	BF136172.D	Benzoic acid	yogesh	11/9/2023 3:21:07 AM	mohammad	11/9/2023 3:24:19 AM	Peak Integrated by Software
SSTDICC050	BF136173.D	Benzoic acid	yogesh	11/9/2023 3:21:08 AM	mohammad	11/9/2023 3:24:19 AM	Peak Integrated by Software
SSTDICC060	BF136174.D	Acenaphthene	yogesh	11/9/2023 3:21:10 AM	mohammad	11/9/2023 3:24:19 AM	Peak Integrated by Software
SSTDICC060	BF136174.D	Benzoic acid	yogesh	11/9/2023 3:21:10 AM	mohammad	11/9/2023 3:24:19 AM	Peak Integrated by Software
SSTDICC080	BF136175.D	Acenaphthene	yogesh	11/9/2023 3:21:12 AM	mohammad	11/9/2023 3:24:19 AM	Peak Integrated by Software
SSTDICC080	BF136175.D	Benzoic acid	yogesh	11/9/2023 3:21:12 AM	mohammad	11/9/2023 3:24:19 AM	Peak Integrated by Software
SSTDICV040	BF136176.D	Benzoic acid	yogesh	11/9/2023 3:21:13 AM	mohammad	11/9/2023 3:24:19 AM	Peak Integrated by Software
PB156921BS	BF136178.D	Acenaphthene	yogesh	11/9/2023 3:21:15 AM	mohammad	11/9/2023 3:24:19 AM	Peak Integrated by Software
PB156921BS	BF136178.D	Caprolactam	yogesh	11/9/2023 3:21:15 AM	mohammad	11/9/2023 3:24:19 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BM103023	Instrument	BNA_m

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BM042489.D	Benzidine	yogesh	10/31/2023 4:28:41 AM	mohammad	10/31/2023 4:55:05 AM	Peak Integrated by Software
SSTDICC005	BM042489.D	Benzo(k)fluoranthene	yogesh	10/31/2023 4:28:41 AM	mohammad	10/31/2023 4:55:05 AM	Peak Integrated by Software
SSTDICC005	BM042489.D	Benzyl Alcohol	yogesh	10/31/2023 4:28:41 AM	mohammad	10/31/2023 4:55:05 AM	Peak Integrated by Software
SSTDICC010	BM042490.D	2,2"-oxybis(1-Chloropro pane)	yogesh	10/31/2023 4:28:42 AM	mohammad	10/31/2023 4:55:07 AM	Peak Integrated by Software
SSTDICC010	BM042490.D	2,4-Dimethylphenol	yogesh	10/31/2023 4:28:42 AM	mohammad	10/31/2023 4:55:07 AM	Peak Integrated by Software
SSTDICC010	BM042490.D	Benzidine	yogesh	10/31/2023 4:28:42 AM	mohammad	10/31/2023 4:55:07 AM	Peak Integrated by Software
SSTDICC010	BM042490.D	Benzoic acid	yogesh	10/31/2023 4:28:42 AM	mohammad	10/31/2023 4:55:07 AM	Peak Integrated by Software
SSTDICC010	BM042490.D	Benzyl Alcohol	yogesh	10/31/2023 4:28:42 AM	mohammad	10/31/2023 4:55:07 AM	Peak Integrated by Software
SSTDICC020	BM042491.D	2,2"-oxybis(1-Chloropro pane)	yogesh	10/31/2023 4:28:44 AM	mohammad	10/31/2023 4:55:10 AM	Peak Integrated by Software
SSTDICC020	BM042491.D	2,4-Dimethylphenol	yogesh	10/31/2023 4:28:44 AM	mohammad	10/31/2023 4:55:10 AM	Peak Integrated by Software
SSTDICC020	BM042491.D	Benzidine	yogesh	10/31/2023 4:28:44 AM	mohammad	10/31/2023 4:55:10 AM	Peak Integrated by Software
SSTDICC020	BM042491.D	Benzoic acid	yogesh	10/31/2023 4:28:44 AM	mohammad	10/31/2023 4:55:10 AM	Peak Integrated by Software
SSTDICC020	BM042491.D	Benzyl Alcohol	yogesh	10/31/2023 4:28:44 AM	mohammad	10/31/2023 4:55:10 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BM103023	Instrument	BNA_m

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICCC040	BM042492.D	Benzyl Alcohol	yogesh	10/31/2023 4:28:46 AM	mohammad	10/31/2023 4:55:13 AM	Peak Integrated by Software
SSTDICC050	BM042493.D	2,2"-oxybis(1-Chloropropane)	yogesh	10/31/2023 4:28:48 AM	mohammad	10/31/2023 4:55:16 AM	Peak Integrated by Software
SSTDICC050	BM042493.D	Benzidine	yogesh	10/31/2023 4:28:48 AM	mohammad	10/31/2023 4:55:16 AM	Peak Integrated by Software
SSTDICC050	BM042493.D	Benzyl Alcohol	yogesh	10/31/2023 4:28:48 AM	mohammad	10/31/2023 4:55:16 AM	Peak Integrated by Software
SSTDICC060	BM042494.D	2,2"-oxybis(1-Chloropropane)	yogesh	10/31/2023 4:28:49 AM	mohammad	10/31/2023 4:55:18 AM	Peak Integrated by Software
SSTDICC060	BM042494.D	Benzyl Alcohol	yogesh	10/31/2023 4:28:49 AM	mohammad	10/31/2023 4:55:18 AM	Peak Integrated by Software
SSTDICC060	BM042494.D	Pyridine	yogesh	10/31/2023 4:28:49 AM	mohammad	10/31/2023 4:55:18 AM	Peak Integrated by Software
SSTDICC080	BM042495.D	2,2"-oxybis(1-Chloropropane)	yogesh	10/31/2023 4:28:51 AM	mohammad	10/31/2023 4:55:20 AM	Peak Integrated by Software
SSTDICC080	BM042495.D	Pyridine	yogesh	10/31/2023 4:28:51 AM	mohammad	10/31/2023 4:55:20 AM	Peak Integrated by Software
SSTDICV040	BM042496.D	2,2"-oxybis(1-Chloropropane)	yogesh	10/31/2023 4:28:52 AM	mohammad	10/31/2023 4:55:23 AM	Peak Integrated by Software
SSTDICV040	BM042496.D	2,4-Dimethylphenol	yogesh	10/31/2023 4:28:52 AM	mohammad	10/31/2023 4:55:23 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	bm111023	Instrument	BNA_m

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BM042685.D	2,2"-oxybis(1-Chloropropane)	yogesh	11/14/2023 4:39:05 PM	mohammad	11/16/2023 1:32:18 AM	Peak Integrated by Software

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF103023

Review By	yogesh	Review On	10/31/2023 4:29:34 AM		
Supervise By	mohammad	Supervise On	10/31/2023 4:54:30 AM		
SubDirectory	BF103023	HP Acquire Method	BNA_F	HP Processing Method	BF103023

STD. NAME	STD REF.#
Tune/Reschk	SP6271
Initial Calibration Stds	SP6228,SP6229,SP6230,SP6231,SP6232,SP6233,SP6234,SP6235,SP6236
CCC	SP6232
Internal Standard/PEM	S11507 10ul/1000ul sample
ICV/I.BLK	SP6324
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF136022.D	30 Oct 2023 11:02	CG\JU	Ok
2	SSTDICC2.5	BF136023.D	30 Oct 2023 12:02	CG\JU	Ok
3	SSTDICC005	BF136024.D	30 Oct 2023 12:32	CG\JU	Ok,M
4	SSTDICC010	BF136025.D	30 Oct 2023 13:02	CG\JU	Ok
5	SSTDICC020	BF136026.D	30 Oct 2023 13:33	CG\JU	Ok,M
6	SSTDICCC040	BF136027.D	30 Oct 2023 14:04	CG\JU	Ok,M
7	SSTDICC050	BF136028.D	30 Oct 2023 14:49	CG\JU	Ok,M
8	SSTDICC060	BF136029.D	30 Oct 2023 15:20	CG\JU	Ok,M
9	SSTDICC080	BF136030.D	30 Oct 2023 15:51	CG\JU	Ok,M
10	SSTDICV040	BF136031.D	30 Oct 2023 16:24	CG\JU	Ok,M
11	PB156520BL	BF136032.D	30 Oct 2023 17:26	CG\JU	Ok
12	PB156392BL	BF136033.D	30 Oct 2023 17:56	CG\JU	Ok
13	PB156520BS	BF136034.D	30 Oct 2023 18:27	CG\JU	Ok,M
14	O5027-01	BF136035.D	30 Oct 2023 19:01	CG\JU	Not Ok
15	O5090-01	BF136036.D	30 Oct 2023 19:32	CG\JU	Ok,M
16	O5062-01	BF136037.D	30 Oct 2023 20:02	CG\JU	Ok,M
17	O5073-01	BF136038.D	30 Oct 2023 20:33	CG\JU	Dilution
18	O5078-01	BF136039.D	30 Oct 2023 21:03	CG\JU	Ok,M
19	O4907-01RE	BF136040.D	30 Oct 2023 21:33	CG\JU	Confirms
20	O4704-02DL	BF136041.D	30 Oct 2023 22:04	CG\JU	Ok,M
21	O4704-04DL	BF136042.D	30 Oct 2023 22:34	CG\JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF110623

Review By	yogesh	Review On	11/6/2023 4:02:34 PM		
Supervise By	mohammad	Supervise On	11/8/2023 1:02:43 AM		
SubDirectory	BF110623	HP Acquire Method	BNA_F	HP Processing Method	BF103023

STD. NAME	STD REF.#
Tune/Reschk	SP6271
Initial Calibration Stds	SP6228,SP6229,SP6230,SP6231,SP6232,SP6233,SP6234,SP6235,SP6236
CCC	SP6232
Internal Standard/PEM	S11510 10ul/1000ul sample
ICV/I.BLK	SP6324
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF136148.D	06 Nov 2023 11:31	CG\JU	Ok
2	SSTDCCC040	BF136149.D	06 Nov 2023 12:01	CG\JU	Ok,M
3	PB156895BL	BF136150.D	06 Nov 2023 12:31	CG\JU	Ok
4	O5237-01	BF136151.D	06 Nov 2023 13:26	CG\JU	Ok,M
5	O5243-03	BF136152.D	06 Nov 2023 13:56	CG\JU	Ok
6	O5234-01	BF136153.D	06 Nov 2023 14:26	CG\JU	Ok
7	O5257-09	BF136154.D	06 Nov 2023 14:56	CG\JU	Ok
8	O5256-09	BF136155.D	06 Nov 2023 15:27	CG\JU	Ok,M
9	O5257-05	BF136156.D	06 Nov 2023 15:57	CG\JU	Ok,M
10	O5256-01	BF136157.D	06 Nov 2023 16:28	CG\JU	Ok,M
11	O5253-01	BF136158.D	06 Nov 2023 16:57	CG\JU	Ok,M
12	O5253-02	BF136159.D	06 Nov 2023 17:28	CG\JU	Dilution
13	O5256-05	BF136160.D	06 Nov 2023 17:59	CG\JU	Dilution
14	O5257-01	BF136161.D	06 Nov 2023 18:29	CG\JU	Dilution
15	O5257-05MS	BF136162.D	06 Nov 2023 18:59	CG\JU	Ok,M
16	O5257-05MSD	BF136163.D	06 Nov 2023 19:29	CG\JU	Ok,M
17	O5253-02DL	BF136164.D	06 Nov 2023 20:00	CG\JU	Ok,M
18	SSTDCCC040	BF136165.D	06 Nov 2023 21:01	CG\JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF110723

Review By	yogesh	Review On	11/7/2023 4:17:42 PM		
Supervise By	mohammad	Supervise On	11/9/2023 3:24:19 AM		
SubDirectory	BF110723	HP Acquire Method	BNA_F	HP Processing Method	BF110723

STD. NAME	STD REF.#
Tune/Reschk	SP6271
Initial Calibration Stds	SP6330,SP6331,SP6332,SP6333,SP6334,SP6335,SP6336,SP6337
CCC	SP6333
Internal Standard/PEM	S11510 10ul/1000ul sample
ICV/I.BLK	SP6324
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF136166.D	07 Nov 2023 09:28	CG\JU	Ok
2	SSTDCCC040	BF136167.D	07 Nov 2023 09:58	CG\JU	Not Ok
3	SSTDICC2.5	BF136168.D	07 Nov 2023 10:30	CG\JU	Ok
4	SSTDICC005	BF136169.D	07 Nov 2023 11:01	CG\JU	Ok,M
5	SSTDICC010	BF136170.D	07 Nov 2023 11:31	CG\JU	Ok,M
6	SSTDICC020	BF136171.D	07 Nov 2023 12:01	CG\JU	Ok
7	SSTDICCC040	BF136172.D	07 Nov 2023 12:31	CG\JU	Ok,M
8	SSTDICC050	BF136173.D	07 Nov 2023 13:02	CG\JU	Ok,M
9	SSTDICC060	BF136174.D	07 Nov 2023 13:33	CG\JU	Ok,M
10	SSTDICC080	BF136175.D	07 Nov 2023 14:03	CG\JU	Ok,M
11	SSTDICV040	BF136176.D	07 Nov 2023 15:17	CG\JU	Ok,M
12	PB156921BL	BF136177.D	07 Nov 2023 15:47	CG\JU	Ok
13	PB156921BS	BF136178.D	07 Nov 2023 16:18	CG\JU	Ok,M

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Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM103023

Review By	yogesh	Review On	10/31/2023 4:29:12 AM		
Supervise By	mohammad	Supervise On	10/31/2023 4:55:39 AM		
SubDirectory	BM103023	HP Acquire Method	BNA_M	HP Processing Method	BM103023

STD. NAME	STD REF.#
Tune/Reschk	SP6271
Initial Calibration Stds	SP6228,SP6229,SP6230,SP6231,SP6232,SP6233,SP6234,SP6235,SP6236
CCC	SP6232
Internal Standard/PEM	S11507 10ul/1000ul sample
ICV/I.BLK	SP6324
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BM042487.D	30 Oct 2023 09:52	MA/JU	Ok
2	SSTDICC2.5	BM042488.D	30 Oct 2023 11:04	MA/JU	Ok
3	SSTDICC005	BM042489.D	30 Oct 2023 11:40	MA/JU	Ok,M
4	SSTDICC010	BM042490.D	30 Oct 2023 12:16	MA/JU	Ok,M
5	SSTDICC020	BM042491.D	30 Oct 2023 12:52	MA/JU	Ok,M
6	SSTDICCC040	BM042492.D	30 Oct 2023 13:29	MA/JU	Ok,M
7	SSTDICC050	BM042493.D	30 Oct 2023 14:05	MA/JU	Ok,M
8	SSTDICC060	BM042494.D	30 Oct 2023 14:41	MA/JU	Ok,M
9	SSTDICC080	BM042495.D	30 Oct 2023 15:18	MA/JU	Ok,M
10	SSTDICV040	BM042496.D	30 Oct 2023 16:23	MA/JU	Ok,M
11	PB156597TB	BM042497.D	30 Oct 2023 17:00	MA/JU	Ok
12	PB156526BS	BM042498.D	30 Oct 2023 17:36	MA/JU	Ok,M
13	PB156526BSD	BM042499.D	30 Oct 2023 18:13	MA/JU	Ok,M
14	PB156526BL	BM042500.D	30 Oct 2023 18:49	MA/JU	Ok
15	O4909-01RE	BM042501.D	30 Oct 2023 19:31	MA/JU	Confirms
16	O4958-02RE	BM042502.D	30 Oct 2023 20:07	MA/JU	Confirms
17	O5011-01DL	BM042503.D	30 Oct 2023 20:43	MA/JU	Ok

M : Manual Integration

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Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM111023

Review By	yogesh	Review On	11/10/2023 2:59:37 PM		
Supervise By	mohammad	Supervise On	11/16/2023 1:32:18 AM		
SubDirectory	BM111023	HP Acquire Method	BNA_M	HP Processing Method	BM103023

STD. NAME	STD REF.#
Tune/Reschk	SP6271
Initial Calibration Stds	SP6228,SP6229,SP6230,SP6231,SP6232,SP6233,SP6234,SP6235,SP6236
CCC	SP6232
Internal Standard/PEM	S11528 10ul/1000ul sample
ICV/I.BLK	SP6324
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BM042684.D	10 Nov 2023 10:10	MA/JU	Ok
2	SSTDCCC040	BM042685.D	10 Nov 2023 11:22	MA/JU	Ok,M
3	PB156988BL	BM042686.D	10 Nov 2023 11:58	MA/JU	Not Ok
4	O5279-04	BM042687.D	10 Nov 2023 12:34	MA/JU	Ok
5	O5279-08	BM042688.D	10 Nov 2023 13:10	MA/JU	ReRun
6	O5295-04	BM042689.D	10 Nov 2023 13:46	MA/JU	ReRun
7	O5311-03	BM042690.D	10 Nov 2023 14:22	MA/JU	ReRun
8	O5280-02	BM042691.D	10 Nov 2023 14:58	MA/JU	ReRun
9	O5317-03	BM042692.D	10 Nov 2023 15:34	MA/JU	Dilution
10	O5279-01	BM042693.D	10 Nov 2023 16:09	MA/JU	Ok,M
11	O5279-05	BM042694.D	10 Nov 2023 16:46	MA/JU	Ok,M
12	O5317-01	BM042695.D	10 Nov 2023 17:22	MA/JU	Ok,M
13	O5292-01	BM042696.D	10 Nov 2023 17:58	MA/JU	Ok,M
14	O5291-01	BM042697.D	10 Nov 2023 18:34	MA/JU	Ok,M
15	O5252-01	BM042698.D	10 Nov 2023 19:10	MA/JU	Ok
16	O5253-03	BM042699.D	10 Nov 2023 19:46	MA/JU	Dilution
17	O5253-04	BM042700.D	10 Nov 2023 20:22	MA/JU	Dilution
18	O5257-01DL	BM042701.D	10 Nov 2023 20:58	MA/JU	Ok,M
19	O5256-05DL	BM042702.D	10 Nov 2023 21:35	MA/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF103023

Review By	yogesh	Review On	10/31/2023 4:29:34 AM		
Supervise By	mohammad	Supervise On	10/31/2023 4:54:30 AM		
SubDirectory	BF103023	HP Acquire Method	BNA_F	HP Processing Method	BF103023

STD. NAME	STD REF.#
Tune/Reschk	SP6271
Initial Calibration Stds	SP6228,SP6229,SP6230,SP6231,SP6232,SP6233,SP6234,SP6235,SP6236
CCC	SP6232
Internal Standard/PEM	S11507 10ul/1000ul sample
ICV/I.BLK	SP6324
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF136022.D	30 Oct 2023 11:02		CG\JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF136023.D	30 Oct 2023 12:02		CG\JU	Ok
3	SSTDICC005	SSTDICC005	BF136024.D	30 Oct 2023 12:32	Compound#32,54,65 removed from 5 ppm	CG\JU	Ok,M
4	SSTDICC010	SSTDICC010	BF136025.D	30 Oct 2023 13:02	The CAlibration is Good for Non-DOD and for 625.1.	CG\JU	Ok
5	SSTDICC020	SSTDICC020	BF136026.D	30 Oct 2023 13:33	Method is Good for DOD (Except Benzidine) and Good for 625.1.	CG\JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BF136027.D	30 Oct 2023 14:04	Compound #32,54,65,92 Kept on LR	CG\JU	Ok,M
7	SSTDICC050	SSTDICC050	BF136028.D	30 Oct 2023 14:49		CG\JU	Ok,M
8	SSTDICC060	SSTDICC060	BF136029.D	30 Oct 2023 15:20		CG\JU	Ok,M
9	SSTDICC080	SSTDICC080	BF136030.D	30 Oct 2023 15:51		CG\JU	Ok,M
10	SSTDICV040	ICVBF103023	BF136031.D	30 Oct 2023 16:24		CG\JU	Ok,M
11	PB156520BL	PB156520BL	BF136032.D	30 Oct 2023 17:26		CG\JU	Ok
12	PB156392BL	PB156392BL	BF136033.D	30 Oct 2023 17:56		CG\JU	Ok
13	PB156520BS	PB156520BS	BF136034.D	30 Oct 2023 18:27		CG\JU	Ok,M
14	O5027-01	214	BF136035.D	30 Oct 2023 19:01	Internal standard not added	CG\JU	Not Ok
15	O5090-01	WC-1	BF136036.D	30 Oct 2023 19:32		CG\JU	Ok,M
16	O5062-01	NB-07-102523	BF136037.D	30 Oct 2023 20:02		CG\JU	Ok,M
17	O5073-01	OR-02-102523	BF136038.D	30 Oct 2023 20:33	Need Further 5X	CG\JU	Dilution

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF103023

Review By	yogesh	Review On	10/31/2023 4:29:34 AM		
Supervise By	mohammad	Supervise On	10/31/2023 4:54:30 AM		
SubDirectory	BF103023	HP Acquire Method	BNA_F	HP Processing Method	BF103023

STD. NAME	STD REF.#
Tune/Reschk	SP6271
Initial Calibration Stds	SP6228,SP6229,SP6230,SP6231,SP6232,SP6233,SP6234,SP6235,SP6236
CCC	SP6232
Internal Standard/PEM	S11507 10ul/1000ul sample
ICV/I.BLK	SP6324
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	O5078-01	EO-03-102323	BF136039.D	30 Oct 2023 21:03		CG\JU	Ok,M
19	O4907-01RE	OR-03-101623RE	BF136040.D	30 Oct 2023 21:33	Fax is already Given	CG\JU	Confirms
20	O4704-02DL	R-1(10-15)DL	BF136041.D	30 Oct 2023 22:04		CG\JU	Ok,M
21	O4704-04DL	R-3(10-15)DL	BF136042.D	30 Oct 2023 22:34		CG\JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF110623

Review By	yogesh	Review On	11/6/2023 4:02:34 PM		
Supervise By	mohammad	Supervise On	11/8/2023 1:02:43 AM		
SubDirectory	BF110623	HP Acquire Method	BNA_F	HP Processing Method	BF103023

STD. NAME	STD REF.#
Tune/Reschk	SP6271
Initial Calibration Stds	SP6228,SP6229,SP6230,SP6231,SP6232,SP6233,SP6234,SP6235,SP6236
CCC	SP6232
Internal Standard/PEM	S11510 10ul/1000ul sample
ICV/I.BLK	SP6324
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF136148.D	06 Nov 2023 11:31		CG\JU	Ok
2	SSTDCCC040	SSTDCCC040	BF136149.D	06 Nov 2023 12:01		CG\JU	Ok,M
3	PB156895BL	PB156895BL	BF136150.D	06 Nov 2023 12:31		CG\JU	Ok
4	O5237-01	111TH-ST-1	BF136151.D	06 Nov 2023 13:26		CG\JU	Ok,M
5	O5243-03	SB-11-AT-4.5-5.0	BF136152.D	06 Nov 2023 13:56		CG\JU	Ok
6	O5234-01	SP-A	BF136153.D	06 Nov 2023 14:26		CG\JU	Ok
7	O5257-09	WC-3	BF136154.D	06 Nov 2023 14:56		CG\JU	Ok
8	O5256-09	WC-10	BF136155.D	06 Nov 2023 15:27		CG\JU	Ok,M
9	O5257-05	WC-2	BF136156.D	06 Nov 2023 15:57		CG\JU	Ok,M
10	O5256-01	WC-1	BF136157.D	06 Nov 2023 16:28		CG\JU	Ok,M
11	O5253-01	L-1(65FT)(5-10)	BF136158.D	06 Nov 2023 16:57		CG\JU	Ok,M
12	O5253-02	L-6(0-5)	BF136159.D	06 Nov 2023 17:28	Need 10X	CG\JU	Dilution
13	O5256-05	WC-11	BF136160.D	06 Nov 2023 17:59	Need 2X	CG\JU	Dilution
14	O5257-01	WC-6	BF136161.D	06 Nov 2023 18:29	Need 2X	CG\JU	Dilution
15	O5257-05MS	WC-2MS	BF136162.D	06 Nov 2023 18:59		CG\JU	Ok,M
16	O5257-05MSD	WC-2MSD	BF136163.D	06 Nov 2023 19:29		CG\JU	Ok,M
17	O5253-02DL	L-6(0-5)DL	BF136164.D	06 Nov 2023 20:00		CG\JU	Ok,M
18	SSTDCCC040	SSTDCCC040EC	BF136165.D	06 Nov 2023 21:01		CG\JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF110723

Review By	yogesh	Review On	11/7/2023 4:17:42 PM		
Supervise By	mohammad	Supervise On	11/9/2023 3:24:19 AM		
SubDirectory	BF110723	HP Acquire Method	BNA_F	HP Processing Method	BF110723

STD. NAME	STD REF.#
Tune/Reschk	SP6271
Initial Calibration Stds	SP6330,SP6331,SP6332,SP6333,SP6334,SP6335,SP6336,SP6337
CCC	SP6333
Internal Standard/PEM	S11510 10ul/1000ul sample
ICV/I.BLK	SP6324
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF136166.D	07 Nov 2023 09:28		CG\JU	Ok
2	SSTDCCC040	SSTDCCC040	BF136167.D	07 Nov 2023 09:58	Need ICAL	CG\JU	Not Ok
3	SSTDICC2.5	SSTDICC2.5	BF136168.D	07 Nov 2023 10:30		CG\JU	Ok
4	SSTDICC005	SSTDICC005	BF136169.D	07 Nov 2023 11:01	Comopunds#32,54,65,77,85 removed from 5 ppm	CG\JU	Ok,M
5	SSTDICC010	SSTDICC010	BF136170.D	07 Nov 2023 11:31	Method is Good For DOD except compound#77	CG\JU	Ok,M
6	SSTDICC020	SSTDICC020	BF136171.D	07 Nov 2023 12:01	Compound #32,54,65 Kept on LR	CG\JU	Ok
7	SSTDICCC040	SSTDICCC040	BF136172.D	07 Nov 2023 12:31	Method is Good For DOD Except Com#77 and good for 625.1 Method	CG\JU	Ok,M
8	SSTDICC050	SSTDICC050	BF136173.D	07 Nov 2023 13:02		CG\JU	Ok,M
9	SSTDICC060	SSTDICC060	BF136174.D	07 Nov 2023 13:33		CG\JU	Ok,M
10	SSTDICC080	SSTDICC080	BF136175.D	07 Nov 2023 14:03		CG\JU	Ok,M
11	SSTDICV040	ICVBF110723	BF136176.D	07 Nov 2023 15:17		CG\JU	Ok,M
12	PB156921BL	PB156921BL	BF136177.D	07 Nov 2023 15:47		CG\JU	Ok
13	PB156921BS	PB156921BS	BF136178.D	07 Nov 2023 16:18		CG\JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM103023

Review By	yogesh	Review On	10/31/2023 4:29:12 AM		
Supervise By	mohammad	Supervise On	10/31/2023 4:55:39 AM		
SubDirectory	BM103023	HP Acquire Method	BNA_M	HP Processing Method	BM103023

STD. NAME	STD REF.#
Tune/Reschk	SP6271
Initial Calibration Stds	SP6228,SP6229,SP6230,SP6231,SP6232,SP6233,SP6234,SP6235,SP6236
CCC	SP6232
Internal Standard/PEM	S11507 10ul/1000ul sample
ICV/I.BLK	SP6324
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BM042487.D	30 Oct 2023 09:52		MA/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BM042488.D	30 Oct 2023 11:04		MA/JU	Ok
3	SSTDICC005	SSTDICC005	BM042489.D	30 Oct 2023 11:40	Comopunds#32,35,41,42,54,56, 65,70 removed from 5 ppm	MA/JU	Ok,M
4	SSTDICC010	SSTDICC010	BM042490.D	30 Oct 2023 12:16		MA/JU	Ok,M
5	SSTDICC020	SSTDICC020	BM042491.D	30 Oct 2023 12:52	The Calibration is good for Methods 625.1, 8270 DOD & 8270 NON-DOD Except Benzidine as failed in ICV	MA/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BM042492.D	30 Oct 2023 13:29	Compounds#26,32,41,48,53,54, 56,57,62,65,91 kept on LR	MA/JU	Ok,M
7	SSTDICC050	SSTDICC050	BM042493.D	30 Oct 2023 14:05		MA/JU	Ok,M
8	SSTDICC060	SSTDICC060	BM042494.D	30 Oct 2023 14:41		MA/JU	Ok,M
9	SSTDICC080	SSTDICC080	BM042495.D	30 Oct 2023 15:18	Compounds#32,73 removed from 80 ppm	MA/JU	Ok,M
10	SSTDICV040	ICVBM103023	BM042496.D	30 Oct 2023 16:23		MA/JU	Ok,M
11	PB156597TB	PB156597TB	BM042497.D	30 Oct 2023 17:00		MA/JU	Ok
12	PB156526BS	PB156526BS	BM042498.D	30 Oct 2023 17:36		MA/JU	Ok,M
13	PB156526BSD	PB156526BSD	BM042499.D	30 Oct 2023 18:13		MA/JU	Ok,M
14	PB156526BL	PB156526BL	BM042500.D	30 Oct 2023 18:49		MA/JU	Ok
15	O4909-01RE	LCOL-12RE	BM042501.D	30 Oct 2023 19:31	Surrogate Fail	MA/JU	Confirms
16	O4958-02RE	EFF-WASTE-WATERR	BM042502.D	30 Oct 2023 20:07	Surrogate Fail	MA/JU	Confirms
17	O5011-01DL	RBR-200027DL	BM042503.D	30 Oct 2023 20:43		MA/JU	Ok

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Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM103023

Review By	yogesh	Review On	10/31/2023 4:29:12 AM		
Supervise By	mohammad	Supervise On	10/31/2023 4:55:39 AM		
SubDirectory	BM103023	HP Acquire Method	BNA_M	HP Processing Method	BM103023

STD. NAME	STD REF.#
Tune/Reschk	SP6271
Initial Calibration Stds	SP6228,SP6229,SP6230,SP6231,SP6232,SP6233,SP6234,SP6235,SP6236
CCC	SP6232
Internal Standard/PEM	S11507 10ul/1000ul sample
ICV/I.BLK	SP6324
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

M : Manual Integration

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Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM111023

Review By	yogesh	Review On	11/10/2023 2:59:37 PM		
Supervise By	mohammad	Supervise On	11/16/2023 1:32:18 AM		
SubDirectory	BM111023	HP Acquire Method	BNA_M	HP Processing Method	BM103023

STD. NAME	STD REF.#
Tune/Reschk	SP6271
Initial Calibration Stds	SP6228,SP6229,SP6230,SP6231,SP6232,SP6233,SP6234,SP6235,SP6236
CCC	SP6232
Internal Standard/PEM	S11528 10ul/1000ul sample
ICV/I.BLK	SP6324
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BM042684.D	10 Nov 2023 10:10		MA/JU	Ok
2	SSTDCCC040	SSTDCCC040	BM042685.D	10 Nov 2023 11:22	CCC failed high for comp. #04,15,19,34,41,42,61,67,68,77, 79	MA/JU	Ok,M
3	PB156988BL	PB156988BL	BM042686.D	10 Nov 2023 11:58	Surrogate Fail	MA/JU	Not Ok
4	O5279-04	TP-1	BM042687.D	10 Nov 2023 12:34		MA/JU	Ok
5	O5279-08	MH-1	BM042688.D	10 Nov 2023 13:10	Internal Standard Fail	MA/JU	ReRun
6	O5295-04	TP-2	BM042689.D	10 Nov 2023 13:46	Internal Standard Fail	MA/JU	ReRun
7	O5311-03	TP-1	BM042690.D	10 Nov 2023 14:22	Internal Standard Fail	MA/JU	ReRun
8	O5280-02	MH-1-GW	BM042691.D	10 Nov 2023 14:58	Internal Standard Fail	MA/JU	ReRun
9	O5317-03	RB-21148	BM042692.D	10 Nov 2023 15:34	Need 5X	MA/JU	Dilution
10	O5279-01	TP-1	BM042693.D	10 Nov 2023 16:09		MA/JU	Ok,M
11	O5279-05	MH-1	BM042694.D	10 Nov 2023 16:46		MA/JU	Ok,M
12	O5317-01	208	BM042695.D	10 Nov 2023 17:22		MA/JU	Ok,M
13	O5292-01	CORONA	BM042696.D	10 Nov 2023 17:58	Internal Standard Fail	MA/JU	Ok,M
14	O5291-01	QUEEN-PLAZA	BM042697.D	10 Nov 2023 18:34		MA/JU	Ok,M
15	O5252-01	WASTE	BM042698.D	10 Nov 2023 19:10		MA/JU	Ok
16	O5253-03	L-3(120FT)(0-5)	BM042699.D	10 Nov 2023 19:46	Need Further 10X	MA/JU	Dilution
17	O5253-04	L-3(195FT)(0-5)	BM042700.D	10 Nov 2023 20:22	Need Further 5X	MA/JU	Dilution
18	O5257-01DL	WC-6DL	BM042701.D	10 Nov 2023 20:58		MA/JU	Ok,M

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Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM111023

Review By	yogesh	Review On	11/10/2023 2:59:37 PM		
Supervise By	mohammad	Supervise On	11/16/2023 1:32:18 AM		
SubDirectory	BM111023	HP Acquire Method	BNA_M	HP Processing Method	BM103023

STD. NAME	STD REF.#
Tune/Reschk	SP6271
Initial Calibration Stds	SP6228,SP6229,SP6230,SP6231,SP6232,SP6233,SP6234,SP6235,SP6236
CCC	SP6232
Internal Standard/PEM	S11528 10ul/1000ul sample
ICV/I.BLK	SP6324
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	O5256-05DL	WC-11DL	BM042702.D	10 Nov 2023 21:35		MA/JU	Ok,M

M : Manual Integration

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EXTRACTION LOGPAGE

PB156921

SOP ID:	M3541-ASE Extraction-14				
Clean Up SOP #:	N/A			**Extraction Start Date :**	11/06/2023
Matrix :	Solid			**Extraction Start Time :**	09:48
Weigh By:	RJ	**Extraction By:**	RJ	**Extraction End Date :**	11/06/2023
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	13:30
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	RJ
pH Strip Lot#:	N/A	**Hood ID:**	3,7	**Supervisor By :**	rajesh

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

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6302
Surrogate	1.0ML	100/150 PPM	SP6274
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
MeCl2/Acetone/1:1	N/A	EP2392
Baked Na2SO4	N/A	EP2405
Sand	N/A	E2865
Methylene Chloride	N/A	E3593
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5 ML Vial lot# 2210678. O5252,5253 Added in batch at 09:50.

KD Bath ID:	N/A	**Envap ID:**	NE VAP-02
KD Bath Temperature:	N/A	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/6/23	RP (204.765)	JU/GC -
13.35	**Preparation Group**	**Analysis Group**

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EXTRACTION LOGPAGE

PrepBatch ID : PB156921

Analytical Method: M3541-ASE Extraction-14 **Concentration Date:** 11/06/2023

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB156921BL	SBLK921	SVOC-TCL BNA -20	30.01	N/A	ritesh	RUPESH	1			U6-1
PB156921BS	SLCS921	SVOC-TCL BNA -20	30.03	N/A	ritesh	RUPESH	1			2
O5252-01	WASTE	SVOC-TCL BNA -20	30.05	N/A	ritesh	RUPESH	1	B		3
O5253-01	L-1(65FT)(5-10)	SVOC-TCL BNA -20	30.09	N/A	ritesh	RUPESH	1	E		4
O5253-02	L-6(0-5)	SVOC-TCL BNA -20	30.02	N/A	ritesh	RUPESH	1	E		5
O5253-03	L-3(120FT)(0-5)	SVOC-TCL BNA -20	30.07	N/A	ritesh	RUPESH	1	E		6
O5253-04	L-3(195FT)(0-5)	SVOC-TCL BNA -20	30.04	N/A	ritesh	RUPESH	1	E		U7-1
O5256-01	WC-1	SVOC-TCL BNA -20	50.05	N/A	ritesh	RUPESH	1	B		2
O5256-05	WC-11	SVOC-TCL BNA -20	50.03	N/A	ritesh	RUPESH	1	B		3
O5256-09	WC-10	SVOC-TCL BNA -20	50.07	N/A	ritesh	RUPESH	1	B		4
O5257-01	WC-6	SVOC-TCL BNA -20	50.09	N/A	ritesh	RUPESH	1	B		5
O5257-05	WC-2	SVOC-TCL BNA -20	50.03	N/A	ritesh	RUPESH	1	B		6
O5257-05MS	WC-2MS	SVOC-TCL BNA -20	50.08	N/A	ritesh	RUPESH	1	B		U1-1
O5257-05MS D	WC-2MSD	SVOC-TCL BNA -20	50.06	N/A	ritesh	RUPESH	1	B		2
O5257-09	WC-3	SVOC-TCL BNA -20	50.04	N/A	ritesh	RUPESH	1	B		3

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

11/6/23

175921
9:45

WORKLIST(Hardcopy Internal Chain)

WorkList Name : O5256S **WorkList ID :** 175304 **Department :** Extraction **Date :** 11-06-2023 08:43:52

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
O5256-01	WC-1	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L31	11/03/2023	8270E
O5256-05	WC-11	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L31	11/03/2023	8270E
O5256-09	WC-10	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L31	11/03/2023	8270E
O5257-01	WC-6	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L31	11/03/2023	8270E
O5257-05	WC-2	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L31	11/03/2023	8270E
O5257-09	WC-3	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L31	11/03/2023	8270E

Date/Time 11/6/23 9:45
Raw Sample Received by: RJ (Gen Lab)
Raw Sample Relinquished by: SM

Date/Time 11/6/23 10:05
Raw Sample Received by: SM
Raw Sample Relinquished by: RJ (Gen Lab)

WORKLIST(Hardcopy Internal Chain)

WorkList Name : p5252 **WorkList ID :** 175312 **Department :** Extraction **Date :** 11-06-2023 09:50:43

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
O5252-01	WASTE	Solid	SVOC-TCL BNA -20	Cool 4 deg C	RMJE02	I31	11/03/2023	8270E
O5253-01	L-1(65FT)(5-10)	Solid	SVOC-TCL BNA -20	Cool 4 deg C	GEIC06	L21	11/02/2023	8270E
O5253-02	L-6(0-5)	Solid	SVOC-TCL BNA -20	Cool 4 deg C	GEIC06	L21	11/03/2023	8270E
O5253-03	L-3(120FT)(0-5)	Solid	SVOC-TCL BNA -20	Cool 4 deg C	GEIC06	L21	11/03/2023	8270E
O5253-04	L-3(195FT)(0-5)	Solid	SVOC-TCL BNA -20	Cool 4 deg C	GEIC06	L21	11/03/2023	8270E

Date/Time 11/6/23 9:50

Raw Sample Received by: RJ (Sol-Rich) SM

Raw Sample Relinquished by:

Date/Time 11/6/23 10:05

Raw Sample Received by: SM

Raw Sample Relinquished by: RJ (Sol-Rich)

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284 Sheffield Street, Mountainside, New Jersey - 07092

Phone: (908) 789 8900 Fax: (908) 789 8922

LAB CHRONICLE

OrderID:	O5252	**OrderDate:**	11/3/2023 2:14:16 PM
Client:	RMJ Environomics, Inc.	**Project:**	245 Greenwood Ave
Contact:	Jonathan Pereira	**Location:**	I31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
O5252-01	**WASTE**	**SOIL**			**11/03/23**			**11/03/23**
			SVOC-TCL BNA -20	8270E		11/06/23	11/10/23	