284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Hit Summary Sheet
SW-846

SDG No.: Q1237

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :								
				0.000				
			Total Svoc :			**0.00**		
			Total Concentration:			**0.00**		

SAMPLE DATA

Raw Data: **BF141608.D**

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

Client:	G Environmental			Date Collected:	01/30/25
Project:	Nelson			Date Received:	01/30/25
Client Sample ID:	HL2PX3			SDG No.:	Q1237
Lab Sample ID:	Q1237-03			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	92.1
Sample Wt/Vol:	30.09	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-PAH
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
BF141608.D	1	02/10/25 09:45	02/13/25 12:24	PB166640

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	89.4	U	89.4	180	ug/Kg
208-96-8	Acenaphthylene	93.6	U	93.6	180	ug/Kg
83-32-9	Acenaphthene	87.8	U	87.8	180	ug/Kg
86-73-7	Fluorene	92.6	U	92.6	180	ug/Kg
85-01-8	Phenanthrene	90.9	U	90.9	180	ug/Kg
120-12-7	Anthracene	91.4	U	91.4	180	ug/Kg
206-44-0	Fluoranthene	88.4	U	88.4	180	ug/Kg
129-00-0	Pyrene	89.8	U	89.8	180	ug/Kg
56-55-3	Benzo(a)anthracene	87.4	U	87.4	180	ug/Kg
218-01-9	Chrysene	86.1	U	86.1	180	ug/Kg
205-99-2	Benzo(b)fluoranthene	87.8	U	87.8	180	ug/Kg
207-08-9	Benzo(k)fluoranthene	89.4	U	89.4	180	ug/Kg
50-32-8	Benzo(a)pyrene	100	U	100	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	84.5	U	84.5	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	87.9	U	87.9	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	86.7	U	86.7	180	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	64.7		30 (18) - 130 (107)	65%	SPK: 100
321-60-8	2-Fluorobiphenyl	62.5		30 (20) - 130 (109)	63%	SPK: 100
1718-51-0	Terphenyl-d14	61.8		30 (10) - 130 (105)	62%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	97500	6.787			
1146-65-2	Naphthalene-d8	397000	8.063			
15067-26-2	Acenaphthene-d10	224000	9.822			
1517-22-2	Phenanthrene-d10	372000	11.304			
1719-03-5	Chrysene-d12	250000	13.951			
1520-96-3	Perylene-d12	205000	15.41			

Raw Data: **BF141608.D**

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Report of Analysis

Client:	G Environmental			Date Collected:	01/30/25
Project:	Nelson			Date Received:	01/30/25
Client Sample ID:	HL2PX3			SDG No.:	Q1237
Lab Sample ID:	Q1237-03			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	92.1
Sample Wt/Vol:	30.09	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-PAH
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
BF141608.D	1	02/10/25 09:45	02/13/25 12:24	PB166640

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

QC SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Surrogate Summary

SW-846

SDG No.: Q1237

Client: G Environmental

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB166640BL	PB166640BL	Nitrobenzene-d5	100	91.2	91		30 (18)	130 (107)
		2-Fluorobiphenyl	100	91.7	92		30 (20)	130 (109)
		Terphenyl-d14	100	87.1	87		30 (10)	130 (105)
PB166640BS	PB166640BS	Nitrobenzene-d5	100	82.3	82		30 (18)	130 (107)
		2-Fluorobiphenyl	100	84.0	84		30 (20)	130 (109)
		Terphenyl-d14	100	98.5	98		30 (10)	130 (105)
Q1237-03	HL2PX3	Nitrobenzene-d5	100	64.7	65		30 (18)	130 (107)
		2-Fluorobiphenyl	100	62.5	63		30 (20)	130 (109)
		Terphenyl-d14	100	61.8	62		30 (10)	130 (105)
Q1343-13MS	WC-13MS	Nitrobenzene-d5	100	63.3	63		30 (18)	130 (107)
		2-Fluorobiphenyl	100	61.7	62		30 (20)	130 (109)
		Terphenyl-d14	100	65.1	65		30 (10)	130 (105)
Q1343-13MSD	WC-13MSD	Nitrobenzene-d5	100	60.1	60		30 (18)	130 (107)
		2-Fluorobiphenyl	100	58.8	59		30 (20)	130 (109)
		Terphenyl-d14	100	62.6	63		30 (10)	130 (105)

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1237

Client: G Environmental

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q1343-13MS		**Client Sample ID: WC-13MS**						**DataFile: BF141610.D**			
Naphthalene	1100	0	1000	ug/Kg	91				70 (72)	130 (110)	
Acenaphthylene	1100	0	1100	ug/Kg	100				70 (79)	130 (118)	
Acenaphthene	1100	0	1000	ug/Kg	91				70 (70)	130 (121)	
Fluorene	1100	0	1000	ug/Kg	91				70 (68)	130 (116)	
Phenanthrene	1100	0	1100	ug/Kg	100				70 (52)	130 (128)	
Anthracene	1100	0	1100	ug/Kg	100				70 (62)	130 (124)	
Fluoranthene	1100	59.9	1100	ug/Kg	95				70 (44)	130 (125)	
Pyrene	1100	0	1100	ug/Kg	100				70 (26)	130 (142)	
Benzo(a)anthracene	1100	0	1100	ug/Kg	100				70 (71)	130 (114)	
Chrysene	1100	0	1100	ug/Kg	100				70 (57)	130 (121)	
Benzo(b)fluoranthene	1100	0	1100	ug/Kg	100				70 (67)	130 (121)	
Benzo(k)fluoranthene	1100	0	1000	ug/Kg	91				70 (57)	130 (134)	
Benzo(a)pyrene	1100	0	1100	ug/Kg	100				70 (70)	130 (142)	
Indeno(1,2,3-cd)pyrene	1100	0	1100	ug/Kg	100				70 (40)	130 (129)	
Dibenz(a,h)anthracene	1100	0	1100	ug/Kg	100				70 (43)	130 (123)	
Benzo(g,h,i)perylene	1100	0	1000	ug/Kg	91				70 (24)	130 (125)	

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1237

Client: G Environmental

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID: Q1343-13MSD		**Client Sample ID:** WC-13MSD						**DataFile:** BF141611.D			
Naphthalene	1100	0	960	ug/Kg	87		4		70 (72)	130 (110)	30 (20)
Acenaphthylene	1100	0	1000	ug/Kg	91		9		70 (79)	130 (118)	30 (20)
Acenaphthene	1100	0	970	ug/Kg	88		3		70 (70)	130 (121)	30 (20)
Fluorene	1100	0	970	ug/Kg	88		3		70 (68)	130 (116)	30 (20)
Phenanthrene	1100	0	1000	ug/Kg	91		9		70 (52)	130 (128)	30 (20)
Anthracene	1100	0	1000	ug/Kg	91		9		70 (62)	130 (124)	30 (20)
Fluoranthene	1100	59.9	1000	ug/Kg	85		11		70 (44)	130 (125)	30 (20)
Pyrene	1100	0	1000	ug/Kg	91		9		70 (26)	130 (142)	30 (20)
Benzo(a)anthracene	1100	0	1000	ug/Kg	91		9		70 (71)	130 (114)	30 (20)
Chrysene	1100	0	980	ug/Kg	89		12		70 (57)	130 (121)	30 (20)
Benzo(b)fluoranthene	1100	0	1000	ug/Kg	91		9		70 (67)	130 (121)	30 (20)
Benzo(k)fluoranthene	1100	0	1000	ug/Kg	91		0		70 (57)	130 (134)	30 (20)
Benzo(a)pyrene	1100	0	1100	ug/Kg	100		0		70 (70)	130 (142)	30 (20)
Indeno(1,2,3-cd)pyrene	1100	0	1100	ug/Kg	100		0		70 (40)	130 (129)	30 (20)
Dibenz(a,h)anthracene	1100	0	1100	ug/Kg	100		0		70 (43)	130 (123)	30 (20)
Benzo(g,h,i)perylene	1100	0	990	ug/Kg	90		1		70 (24)	130 (125)	30 (20)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1237

Client: G Environmental

Analytical Method: 8270E **DataFile:** BF141553.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB166640BS	Naphthalene	1700	1300	ug/Kg	76				70 (62)	130 (100)	
	Acenaphthylene	1700	1400	ug/Kg	82				70 (63)	130 (101)	
	Acenaphthene	1700	1300	ug/Kg	76				70 (57)	130 (104)	
	Fluorene	1700	1300	ug/Kg	76				70 (61)	130 (101)	
	Phenanthrene	1700	1400	ug/Kg	82				70 (59)	130 (103)	
	Anthracene	1700	1400	ug/Kg	82				70 (61)	130 (105)	
	Fluoranthene	1700	1400	ug/Kg	82				70 (57)	130 (107)	
	Pyrene	1700	1500	ug/Kg	88				70 (59)	130 (103)	
	Benzo(a)anthracene	1700	1400	ug/Kg	82				70 (60)	130 (102)	
	Chrysene	1700	1400	ug/Kg	82				70 (59)	130 (101)	
	Benzo(b)fluoranthene	1700	1400	ug/Kg	82				70 (62)	130 (109)	
	Benzo(k)fluoranthene	1700	1300	ug/Kg	76				70 (62)	130 (109)	
	Benzo(a)pyrene	1700	1400	ug/Kg	82				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	1400	ug/Kg	82				70 (70)	130 (108)	

( ) = LABORATORY INHOUSE LIMIT

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB166640BL

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1237 SAS No.: Q1237 SDG NO.: Q1237

Lab File ID: BF141552.D Lab Sample ID: PB166640BL

Instrument ID: BNA_F Date Extracted: 02/10/2025

Matrix: (soil/water) SOIL Date Analyzed: 02/11/2025

Level: (low/med) LOW Time Analyzed: 10:55

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB166640BS	PB166640BS	BF141553.D	02/11/2025
HL2PX3	Q1237-03	BF141608.D	02/13/2025
WC-13MS	Q1343-13MS	BF141610.D	02/13/2025
WC-13MSD	Q1343-13MSD	BF141611.D	02/13/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM SAS No.: Q1237 SDG NO.: Q1237

Lab File ID: BF141471.D DFTPP Injection Date: 02/06/2025

Instrument ID: BNA_F DFTPP Injection Time: 10:41

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	43.2
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	36.7
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	49.1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	25.6
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	12.2
442	Greater than 50% of mass 198	75.9
443	15.0 - 24.0% of mass 442	14.4 (18.9) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF141472.D	02/06/2025	11:07
SSTDICC005	SSTDICC005	BF141473.D	02/06/2025	11:34
SSTDICC010	SSTDICC010	BF141474.D	02/06/2025	12:00
SSTDICC020	SSTDICC020	BF141475.D	02/06/2025	12:26
SSTDICCC040	SSTDICCC040	BF141476.D	02/06/2025	12:55
SSTDICC050	SSTDICC050	BF141477.D	02/06/2025	13:21
SSTDICC060	SSTDICC060	BF141478.D	02/06/2025	13:47
SSTDICC080	SSTDICC080	BF141479.D	02/06/2025	14:14

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM SAS No.: Q1237 SDG NO.: Q1237

Lab File ID: BF141550.D DFTPP Injection Date: 02/11/2025

Instrument ID: BNA_F DFTPP Injection Time: 10:02

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	41.7
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	36.4
70	Less than 2.0% of mass 69	0.2 (0.7) 1
127	10.0 - 80.0% of mass 198	48.6
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	28.2
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	13.1
442	Greater than 50% of mass 198	81.9
443	15.0 - 24.0% of mass 442	15.6 (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	BF141551.D	02/11/2025	10:28
PB166640BL	PB166640BL	BF141552.D	02/11/2025	10:55
PB166640BS	PB166640BS	BF141553.D	02/11/2025	11:21

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM SAS No.: Q1237 SDG NO.: Q1237

Lab File ID: BF141602.D DFTPP Injection Date: 02/13/2025

Instrument ID: BNA_F DFTPP Injection Time: 09:10

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	39.6
68	Less than 2.0% of mass 69	0.6 (1.9) 1
69	Mass 69 relative abundance	34.5
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	48.3
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.5
275	10.0 - 60.0% of mass 198	27.5
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	13.1
442	Greater than 50% of mass 198	84.1
443	15.0 - 24.0% of mass 442	16 (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	BF141603.D	02/13/2025	10:07
HL2PX3	Q1237-03	BF141608.D	02/13/2025	12:24
WC-13MS	Q1343-13MS	BF141610.D	02/13/2025	13:17
WC-13MSD	Q1343-13MSD	BF141611.D	02/13/2025	13:44

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1237 SAS No.: Q1237 SDG NO.: Q1237

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/11/2025

Lab File ID: BF141551.D Time Analyzed: 10:28

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	100982	6.793	399334	8.08	220290	9.83
	UPPER LIMIT	201964	7.293	798668	8.575	440580	10.328
	LOWER LIMIT	50491	6.293	199667	7.575	110145	9.328
	EPA SAMPLE NO.						
01	PB166640BL	88145	6.79	359727	8.07	204188	9.82
02	PB166640BS	98338	6.79	392665	8.07	222790	9.83

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.: Q1237 SAS No.: Q1237 SDG NO.: Q1237

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/11/2025

Lab File ID: BF141551.D Time Analyzed: 10:28

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	380364	11.31	221485	13.957	189149	15.41
	UPPER LIMIT	760728	11.81	442970	14.457	378298	15.91
	LOWER LIMIT	190182	10.81	110743	13.457	94574.5	14.91
	EPA SAMPLE NO.						
01	PB166640BL	375990	11.31	303150	13.95	234196	15.41
02	PB166640BS	382820	11.32	245835	13.96	192005	15.40

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.: Q1237 SAS No.: Q1237 SDG NO.: Q1237

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/13/2025

Lab File ID: BF141603.D Time Analyzed: 10:07

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	101199	6.787	394924	8.07	212437	9.83
	UPPER LIMIT	202398	7.287	789848	8.569	424874	10.328
	LOWER LIMIT	50599.5	6.287	197462	7.569	106219	9.328
	EPA SAMPLE NO.						
01	HL2PX3	97501	6.79	397436	8.06	223685	9.82
02	WC-13MS	96324	6.79	378872	8.07	214420	9.82
03	WC-13MSD	100491	6.79	409269	8.07	227525	9.82

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.: Q1237 SAS No.: Q1237 SDG NO.: Q1237

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/13/2025

Lab File ID: BF141603.D Time Analyzed: 10:07

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	363954	11.31	215290	13.951	184975	15.41
	UPPER LIMIT	727908	11.81	430580	14.451	369950	15.91
	LOWER LIMIT	181977	10.81	107645	13.451	92487.5	14.91
	EPA SAMPLE NO.						
01	HL2PX3	371884	11.30	250100	13.95	205278	15.41
02	WC-13MS	370658	11.31	256669	13.96	207782	15.41
03	WC-13MSD	399093	11.31	269691	13.95	219815	15.40

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

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

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

QC SAMPLE DATA

Raw Data: **BF141552.D**

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Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	Nelson			Date Received:	
Client Sample ID:	PB166640BL			SDG No.:	Q1237
Lab Sample ID:	PB166640BL			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	100
Sample Wt/Vol:	30.01	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-PAH
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
BF141552.D	1	02/10/25 09:45	02/11/25 10:55	PB166640

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	82.6	U	82.6	170	ug/Kg
208-96-8	Acenaphthylene	86.5	U	86.5	170	ug/Kg
83-32-9	Acenaphthene	81.1	U	81.1	170	ug/Kg
86-73-7	Fluorene	85.5	U	85.5	170	ug/Kg
85-01-8	Phenanthrene	84.0	U	84.0	170	ug/Kg
120-12-7	Anthracene	84.4	U	84.4	170	ug/Kg
206-44-0	Fluoranthene	81.7	U	81.7	170	ug/Kg
129-00-0	Pyrene	83.0	U	83.0	170	ug/Kg
56-55-3	Benzo(a)anthracene	80.7	U	80.7	170	ug/Kg
218-01-9	Chrysene	79.5	U	79.5	170	ug/Kg
205-99-2	Benzo(b)fluoranthene	81.1	U	81.1	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	82.6	U	82.6	170	ug/Kg
50-32-8	Benzo(a)pyrene	93.0	U	93.0	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78.1	U	78.1	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81.2	U	81.2	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80.1	U	80.1	170	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	91.2		30 (18) - 130 (107)	91%	SPK: 100
321-60-8	2-Fluorobiphenyl	91.7		30 (20) - 130 (109)	92%	SPK: 100
1718-51-0	Terphenyl-d14	87.1		30 (10) - 130 (105)	87%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	88100	6.787			
1146-65-2	Naphthalene-d8	360000	8.069			
15067-26-2	Acenaphthene-d10	204000	9.822			
1517-22-2	Phenanthrene-d10	376000	11.31			
1719-03-5	Chrysene-d12	303000	13.951			
1520-96-3	Perylene-d12	234000	15.41			

Raw Data: **BF141552.D**

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Report of Analysis

Client:	G Environmental			Date Collected:			
Project:	Nelson			Date Received:			
Client Sample ID:	PB166640BL			SDG No.:	Q1237		
Lab Sample ID:	PB166640BL			Matrix:	SOIL		
Analytical Method:	SW8270			% Solid:	100		
Sample Wt/Vol:	30.01	Units:	g	Final Vol:	1000		uL
Soil Aliquot Vol:			uL	Test:	SVOC-PAH		
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
BF141552.D	1	02/10/25 09:45	02/11/25 10:55	PB166640

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Raw Data: **BF141553.D**

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Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	Nelson			Date Received:	
Client Sample ID:	PB166640BS			SDG No.:	Q1237
Lab Sample ID:	PB166640BS			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	100
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-PAH
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
BF141553.D	1	02/10/25 09:45	02/11/25 11:21	PB166640

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	1300		82.5	170	ug/Kg
208-96-8	Acenaphthylene	1400		86.4	170	ug/Kg
83-32-9	Acenaphthene	1300		81.0	170	ug/Kg
86-73-7	Fluorene	1300		85.4	170	ug/Kg
85-01-8	Phenanthrene	1400		83.9	170	ug/Kg
120-12-7	Anthracene	1400		84.3	170	ug/Kg
206-44-0	Fluoranthene	1400		81.6	170	ug/Kg
129-00-0	Pyrene	1500		82.9	170	ug/Kg
56-55-3	Benzo(a)anthracene	1400		80.6	170	ug/Kg
218-01-9	Chrysene	1400		79.4	170	ug/Kg
205-99-2	Benzo(b)fluoranthene	1400		81.0	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1300		82.5	170	ug/Kg
50-32-8	Benzo(a)pyrene	1400		92.9	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1500		78.0	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1500		81.1	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1400		80.0	170	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	82.3		30 (18) - 130 (107)	82%	SPK: 100
321-60-8	2-Fluorobiphenyl	84.0		30 (20) - 130 (109)	84%	SPK: 100
1718-51-0	Terphenyl-d14	98.5		30 (10) - 130 (105)	98%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	98300	6.787			
1146-65-2	Naphthalene-d8	393000	8.069			
15067-26-2	Acenaphthene-d10	223000	9.828			
1517-22-2	Phenanthrene-d10	383000	11.316			
1719-03-5	Chrysene-d12	246000	13.957			
1520-96-3	Perylene-d12	192000	15.404			

Raw Data: **BF141553.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	G Environmental			Date Collected:			
Project:	Nelson			Date Received:			
Client Sample ID:	PB166640BS			SDG No.:	Q1237		
Lab Sample ID:	PB166640BS			Matrix:	SOIL		
Analytical Method:	SW8270			% Solid:	100		
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	1000		uL
Soil Aliquot Vol:			uL	Test:	SVOC-PAH		
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
BF141553.D	1	02/10/25 09:45	02/11/25 11:21	PB166640

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Raw Data: **BF141610.D**

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	G Environmental			Date Collected:	02/07/25
Project:	Nelson			Date Received:	02/07/25
Client Sample ID:	WC-13MS			SDG No.:	Q1237
Lab Sample ID:	Q1343-13MS			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	88.4
Sample Wt/Vol:	50.05	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-PAH
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
BF141610.D	1	02/10/25 09:45	02/13/25 13:17	PB166640

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	1000		56.0	120	ug/Kg
208-96-8	Acenaphthylene	1100		58.7	120	ug/Kg
83-32-9	Acenaphthene	1000		55.0	120	ug/Kg
86-73-7	Fluorene	1000		58.0	120	ug/Kg
85-01-8	Phenanthrene	1100		57.0	120	ug/Kg
120-12-7	Anthracene	1100		57.2	120	ug/Kg
206-44-0	Fluoranthene	1100		55.4	120	ug/Kg
129-00-0	Pyrene	1100		56.3	120	ug/Kg
56-55-3	Benzo(a)anthracene	1100		54.7	120	ug/Kg
218-01-9	Chrysene	1100		53.9	120	ug/Kg
205-99-2	Benzo(b)fluoranthene	1100		55.0	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	1000		56.0	120	ug/Kg
50-32-8	Benzo(a)pyrene	1100		63.1	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1100		53.0	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1100		55.1	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1000		54.3	120	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	63.3		30 (18) - 130 (107)	63%	SPK: 100
321-60-8	2-Fluorobiphenyl	61.7		30 (20) - 130 (109)	62%	SPK: 100
1718-51-0	Terphenyl-d14	65.1		30 (10) - 130 (105)	65%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	96300	6.787			
1146-65-2	Naphthalene-d8	379000	8.069			
15067-26-2	Acenaphthene-d10	214000	9.822			
1517-22-2	Phenanthrene-d10	371000	11.31			
1719-03-5	Chrysene-d12	257000	13.957			
1520-96-3	Perylene-d12	208000	15.41			

Raw Data: **BF141610.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	G Environmental			Date Collected:	02/07/25
Project:	Nelson			Date Received:	02/07/25
Client Sample ID:	WC-13MS			SDG No.:	Q1237
Lab Sample ID:	Q1343-13MS			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	88.4
Sample Wt/Vol:	50.05	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-PAH
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
BF141610.D	1	02/10/25 09:45	02/13/25 13:17	PB166640

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Raw Data: **BF141611.D**

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

Report of Analysis

Client:	G Environmental			Date Collected:	02/07/25
Project:	Nelson			Date Received:	02/07/25
Client Sample ID:	WC-13MSD			SDG No.:	Q1237
Lab Sample ID:	Q1343-13MSD			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	88.4
Sample Wt/Vol:	50.06	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-PAH
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
BF141611.D	1	02/10/25 09:45	02/13/25 13:44	PB166640

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	960		56.0	120	ug/Kg
208-96-8	Acenaphthylene	1000		58.6	120	ug/Kg
83-32-9	Acenaphthene	970		55.0	120	ug/Kg
86-73-7	Fluorene	970		58.0	120	ug/Kg
85-01-8	Phenanthrene	1000		56.9	120	ug/Kg
120-12-7	Anthracene	1000		57.2	120	ug/Kg
206-44-0	Fluoranthene	1000		55.4	120	ug/Kg
129-00-0	Pyrene	1000		56.3	120	ug/Kg
56-55-3	Benzo(a)anthracene	1000		54.7	120	ug/Kg
218-01-9	Chrysene	980		53.9	120	ug/Kg
205-99-2	Benzo(b)fluoranthene	1000		55.0	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	1000		56.0	120	ug/Kg
50-32-8	Benzo(a)pyrene	1100		63.0	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1100		52.9	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1100		55.0	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	990		54.3	120	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	60.1		30 (18) - 130 (107)	60%	SPK: 100
321-60-8	2-Fluorobiphenyl	58.8		30 (20) - 130 (109)	59%	SPK: 100
1718-51-0	Terphenyl-d14	62.6		30 (10) - 130 (105)	63%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	100000	6.786			
1146-65-2	Naphthalene-d8	409000	8.069			
15067-26-2	Acenaphthene-d10	228000	9.822			
1517-22-2	Phenanthrene-d10	399000	11.31			
1719-03-5	Chrysene-d12	270000	13.951			
1520-96-3	Perylene-d12	220000	15.404			

Raw Data: **BF141611.D**

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Report of Analysis

Client:	G Environmental			Date Collected:	02/07/25
Project:	Nelson			Date Received:	02/07/25
Client Sample ID:	WC-13MSD			SDG No.:	Q1237
Lab Sample ID:	Q1343-13MSD			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	88.4
Sample Wt/Vol:	50.06	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-PAH
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
BF141611.D	1	02/10/25 09:45	02/13/25 13:44	PB166640

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

CALIBRATION SUMMARY

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF020625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Feb 06 16:58:59 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BF141472.D 5 =BF141473.D 10 =BF141474.D 20 =BF141475.D 40 =BF141476.D 50 =BF141477.D 60 =BF141478.D 80 =BF1414
79.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.511	0.519	0.523	0.517	0.502	0.521	0.501	0.513	1.73
3)		Pyridine		1.053	1.205	1.311	1.263	1.256	1.261	1.204	1.222	6.79
4)		n-Nitrosodimet...		0.737	0.774	0.820	0.818	0.835	0.846	0.833	0.809	4.83
5)	S	2-Fluorophenol		1.235	1.290	1.365	1.289	1.273	1.264	1.214	1.276	3.77
6)		Aniline		1.476	1.545	1.650	1.538	1.506	1.494	1.379	1.513	5.42
7)	S	Phenol-d6		1.619	1.629	1.704	1.613	1.599	1.585	1.538	1.612	3.13
8)		2-Chlorophenol		1.399	1.410	1.446	1.379	1.368	1.345	1.302	1.378	3.38
9)		Benzaldehyde		0.892	0.993	0.981	0.821	0.747	0.706		0.857	13.92
10)	C	Phenol		1.693	1.681	1.817	1.685	1.659	1.644	1.569	1.678	4.42
11)		bis(2-Chloroet...		1.262	1.229	1.296	1.266	1.252	1.262	1.256	1.261	1.59
12)		1,3-Dichlorobe...		1.473	1.482	1.554	1.441	1.441	1.430	1.366	1.455	3.95
13)	C	1,4-Dichlorobe...		1.546	1.538	1.571	1.471	1.465	1.439	1.379	1.487	4.59
14)		1,2-Dichlorobe...		1.393	1.439	1.473	1.374	1.351	1.345	1.285	1.380	4.55
15)		Benzyl Alcohol		1.191	1.251	1.322	1.262	1.248	1.218	1.163	1.236	4.19
16)		2,2'-oxybis(1-...		2.222	2.245	2.313	2.165	2.119	2.082	1.959	2.158	5.45
17)		2-Methylphenol		1.116	1.089	1.121	1.077	1.059	1.066	1.024	1.079	3.15
18)		Hexachloroethane		0.539	0.545	0.589	0.553	0.556	0.544	0.526	0.550	3.59
19)	P	n-Nitroso-di-n...	0.950	0.978	0.985	1.039	0.969	0.947	0.941	0.907	0.964	4.03
20)		3+4-Methylphenols		1.442	1.417	1.459	1.372	1.344	1.319	1.244	1.371	5.52
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.517	0.502	0.521	0.493	0.483	0.488	0.478	0.498	3.35
23)	S	Nitrobenzene-d5		0.380	0.379	0.396	0.385	0.378	0.381	0.384	0.383	1.58
24)		Nitrobenzene		0.370	0.371	0.383	0.374	0.369	0.375	0.376	0.374	1.29
25)		Isophorone		0.611	0.594	0.633	0.611	0.601	0.617	0.614	0.611	2.04
26)	C	2-Nitrophenol		0.171	0.175	0.190	0.193	0.190	0.193	0.191	0.186	4.91
27)		2,4-Dimethylph...		0.208	0.212	0.221	0.223	0.218	0.220	0.220	0.217	2.46
28)		bis(2-Chloroet...		0.384	0.390	0.408	0.394	0.387	0.391	0.388	0.392	2.03
29)	C	2,4-Dichloroph...		0.286	0.287	0.312	0.296	0.290	0.292	0.292	0.294	2.95
30)		1,2,4-Trichlor...		0.327	0.321	0.331	0.317	0.312	0.317	0.314	0.320	2.12
31)		Naphthalene		1.067	1.041	1.096	1.037	1.012	1.022	1.012	1.041	2.98
32)		Benzoic acid			0.186	0.217	0.229	0.233	0.243	0.246	0.226	9.70
33)		4-Chloroaniline		0.354	0.352	0.382	0.364	0.360	0.364	0.370	0.363	2.82
34)	C	Hexachlorobuta...		0.193	0.191	0.200	0.192	0.188	0.191	0.189	0.192	2.01
35)		Caprolactam		0.083	0.085	0.094	0.093	0.088	0.091	0.092	0.089	4.75
36)	C	4-Chloro-3-met...		0.310	0.324	0.342	0.329	0.324	0.325	0.324	0.325	2.91
37)		2-Methylnaphth...		0.688	0.689	0.719	0.669	0.659	0.666	0.652	0.677	3.42
38)		1-Methylnaphth...		0.680	0.657	0.691	0.656	0.637	0.640	0.631	0.656	3.40

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF020625.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.582	0.588	0.600	0.584	0.560	0.574	0.562	0.579	2.50
41)	P	Hexachlorocycl...		0.138	0.180	0.204	0.205	0.214	0.214	0.192	15.36
42)	S	2,4,6-Tribromo...	0.201	0.200	0.210	0.200	0.199	0.201	0.196	0.201	2.08
43)	C	2,4,6-Trichlor...	0.364	0.365	0.389	0.377	0.373	0.378	0.372	0.374	2.28
44)		2,4,5-Trichlor...	0.385	0.407	0.430	0.410	0.394	0.409	0.401	0.405	3.51
45)	S	2-Fluorobiphenyl	1.373	1.360	1.385	1.269	1.241	1.259	1.201	1.298	5.62
46)		1,1'-Biphenyl	1.582	1.564	1.632	1.545	1.517	1.537	1.478	1.551	3.16
47)		2-Chloronaphth...	1.167	1.161	1.211	1.135	1.114	1.136	1.103	1.147	3.18
48)		2-Nitroaniline	0.371	0.371	0.394	0.390	0.382	0.401	0.385	0.385	2.92
49)		Acenaphthylene	1.739	1.736	1.791	1.696	1.660	1.689	1.626	1.705	3.21
50)		Dimethylphthalate	1.382	1.359	1.408	1.345	1.324	1.341	1.345	1.358	2.09
51)		2,6-Dinitrotol...	0.289	0.290	0.314	0.301	0.295	0.299	0.290	0.297	3.06
52)	C	Acenaphthene	1.186	1.164	1.188	1.152	1.108	1.127	1.101	1.147	3.10
53)		3-Nitroaniline	0.312	0.313	0.335	0.319	0.320	0.321	0.316	0.319	2.35
54)	P	2,4-Dinitrophenol		0.133	0.167	0.177	0.185	0.198	0.198	0.176	13.83
55)		Dibenzofuran	1.768	1.722	1.774	1.673	1.633	1.634	1.576	1.683	4.44
56)	P	4-Nitrophenol	0.190	0.216	0.247	0.249	0.249	0.257	0.251	0.237	10.43
57)		2,4-Dinitrotol...	0.383	0.403	0.414	0.398	0.390	0.396	0.383	0.395	2.83
58)		Fluorene	1.359	1.361	1.377	1.290	1.239	1.263	1.221	1.301	4.90
59)		2,3,4,6-Tetrac...	0.332	0.361	0.359	0.348	0.348	0.355	0.340	0.349	2.95
60)		Diethylphthalate	1.400	1.346	1.398	1.330	1.300	1.308	1.269	1.336	3.71
61)		4-Chlorophenyl...	0.661	0.643	0.659	0.622	0.602	0.611	0.585	0.626	4.66
62)		4-Nitroaniline	0.315	0.319	0.333	0.335	0.319	0.327	0.324	0.324	2.28
63)		Azobenzene	1.348	1.329	1.385	1.326	1.295	1.320	1.294	1.328	2.38
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.116	0.140	0.142	0.142	0.146	0.148	0.139	8.48
66)	c	n-Nitrosodiphe...	0.650	0.653	0.674	0.627	0.625	0.625	0.627	0.640	2.97
67)		4-Bromophenyl-...	0.228	0.220	0.234	0.221	0.220	0.221	0.221	0.224	2.46
68)		Hexachlorobenzene	0.229	0.234	0.241	0.227	0.224	0.228	0.228	0.230	2.46
69)		Atrazine	0.200	0.203	0.214	0.185	0.185	0.182	0.176	0.192	7.12
70)	C	Pentachlorophenol	0.116	0.131	0.151	0.154	0.158	0.159	0.160	0.147	11.68
71)		Phenanthrene	1.141	1.132	1.161	1.084	1.071	1.069	1.049	1.101	3.91
72)		Anthracene	1.168	1.126	1.158	1.082	1.084	1.071	1.057	1.107	3.99
73)		Carbazole	1.022	1.026	1.076	0.986	0.966	0.961	0.933	0.996	4.87
74)		Di-n-butylphth...	1.165	1.156	1.223	1.141	1.132	1.126	1.105	1.150	3.29
75)	C	Fluoranthene	1.251	1.239	1.243	1.151	1.129	1.091	1.065	1.167	6.63
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.474	0.487	0.334	0.528	0.432	0.351	0.481	0.441	16.58
78)		Pyrene	1.528	1.557	1.717	1.745	1.774	1.807	1.789	1.703	6.67
79)	S	Terphenyl-d14	1.129	1.104	1.211	1.198	1.209	1.234	1.208	1.185	4.07
80)		Butylbenzylpht...	0.525	0.540	0.605	0.609	0.603	0.623	0.624	0.590	6.83
81)		Benzo(a)anthra...	1.381	1.332	1.350	1.345	1.309	1.309	1.279	1.329	2.51
82)		3,3'-Dichlorob...	0.397	0.411	0.407	0.377	0.363	0.353	0.358	0.381	6.31
83)		Chrysene	1.187	1.223	1.314	1.201	1.215	1.224	1.229	1.228	3.34
84)		Bis(2-ethylhex...	0.593	0.610	0.685	0.689	0.680	0.697	0.702	0.665	6.68
85)	c	Di-n-octyl pht...	0.802	0.814	0.910	0.965	1.010	1.051	1.090	0.949	11.82

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF020625.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	0.987	1.029	1.186	1.288	1.341	1.410	1.408	1.236	14.06
88)		Benzo(b)fluora...	1.286	1.407	1.398	1.336	1.350	1.356	1.268	1.343	3.88
89)		Benzo(k)fluora...	1.113	1.216	1.247	1.142	1.074	1.098	1.138	1.147	5.49
90)	C	Benzo(a)pyrene	1.085	1.074	1.115	1.080	1.069	1.094	1.089	1.087	1.41
91)		Dibenzo(a,h)an...	0.796	0.828	0.970	1.051	1.092	1.138	1.134	1.001	14.13
92)		Benzo(g,h,i)pe...	0.805	0.864	1.001	1.100	1.144	1.203	1.218	1.048	15.60

(#) = Out of Range

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1237 SAS No.: Q1237 SDG No.: Q1237

Instrument ID: BNA_F Calibration Date/Time: 02/11/2025 10:28

Lab File ID: BF141551.D Init. Calib. Date(s): 02/06/2025 02/06/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:07 14:14

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.276	1.265		-0.9	
Phenol-d6	1.612	1.593		-1.2	
Nitrobenzene-d5	0.383	0.379		-1.0	
Naphthalene	1.041	1.028		-1.2	
2-Fluorobiphenyl	1.298	1.271		-2.1	
Acenaphthylene	1.705	1.686		-1.1	
Acenaphthene	1.147	1.121		-2.3	20.0
Fluorene	1.301	1.291		-0.8	
2,4,6-Tribromophenol	0.201	0.201		0.0	
Phenanthrene	1.101	1.067		-3.1	
Anthracene	1.107	1.091		-1.4	
Fluoranthene	1.167	1.112		-4.7	20.0
Pyrene	1.703	1.914		12.4	
Terphenyl-d14	1.185	1.330		12.2	
Benzo(a)anthracene	1.329	1.313		-1.2	
Chrysene	1.228	1.216		-1.0	
Benzo(b)fluoranthene	1.343	1.314		-2.2	
Benzo(k)fluoranthene	1.147	1.062		-7.4	
Benzo(a)pyrene	1.087	1.065		-2.0	20.0
Indeno(1,2,3-cd)pyrene	1.236	1.357		9.8	
Dibenzo(a,h)anthracene	1.001	1.106		10.5	
Benzo(g,h,i)perylene	1.048	1.156		10.3	

All other compounds must meet a minimum RRF of 0.010.

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1237 SAS No.: Q1237 SDG No.: Q1237

Instrument ID: BNA_F Calibration Date/Time: 02/13/2025 10:07

Lab File ID: BF141603.D Init. Calib. Date(s): 02/06/2025 02/06/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:07 14:14

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.276	1.273		-0.2	
Phenol-d6	1.612	1.560		-3.2	
Nitrobenzene-d5	0.383	0.372		-2.9	
Naphthalene	1.041	1.019		-2.1	
2-Fluorobiphenyl	1.298	1.274		-1.8	
Acenaphthylene	1.705	1.684		-1.2	
Acenaphthene	1.147	1.129		-1.6	20.0
Fluorene	1.301	1.264		-2.8	
2,4,6-Tribromophenol	0.201	0.195		-3.0	
Phenanthrene	1.101	1.082		-1.7	
Anthracene	1.107	1.088		-1.7	
Fluoranthene	1.167	1.099		-5.8	20.0
Pyrene	1.703	1.862		9.3	
Terphenyl-d14	1.185	1.287		8.6	
Benzo(a)anthracene	1.329	1.310		-1.4	
Chrysene	1.228	1.180		-3.9	
Benzo(b)fluoranthene	1.343	1.230		-8.4	
Benzo(k)fluoranthene	1.147	1.181		3.0	
Benzo(a)pyrene	1.087	1.082		-0.5	20.0
Indeno(1,2,3-cd)pyrene	1.236	1.412		14.2	
Dibenzo(a,h)anthracene	1.001	1.153		15.2	
Benzo(g,h,i)perylene	1.048	1.199		14.4	

All other compounds must meet a minimum RRF of 0.010.

SAMPLE RAW DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021325\
Data File : BF141608.D
Acq On : 13 Feb 2025 12:24
Operator : RC/JU
Sample : Q1237-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HL2PX3

Quant Time: Feb 13 12:54:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

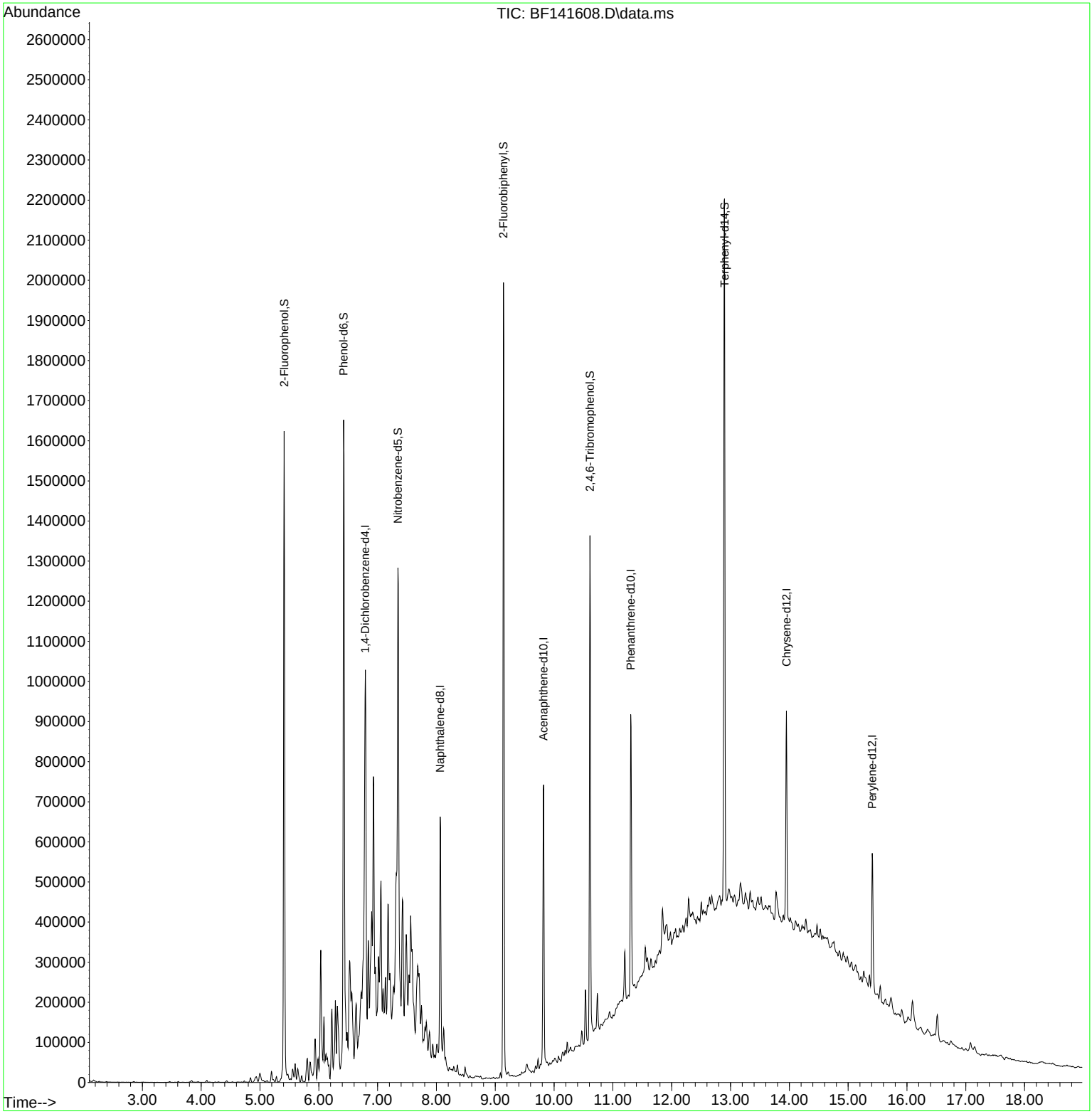
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	97501	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	397436	20.000	ng	-0.01
39) Acenaphthene-d10	9.822	164	223685	20.000	ng	-0.01
64) Phenanthrene-d10	11.304	188	371884	20.000	ng	-0.01
76) Chrysene-d12	13.951	240	250100	20.000	ng	-0.01
86) Perylene-d12	15.410	264	205278	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	591179	95.057	ng	0.00
7) Phenol-d6	6.422	99	735929	93.623	ng	-0.02
23) Nitrobenzene-d5	7.345	82	492796	64.673	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	205410	91.415	ng	-0.02
45) 2-Fluorobiphenyl	9.139	172	907766	62.523	ng	-0.01
79) Terphenyl-d14	12.898	244	915157	61.773	ng	0.00
Target Compounds						Qvalue

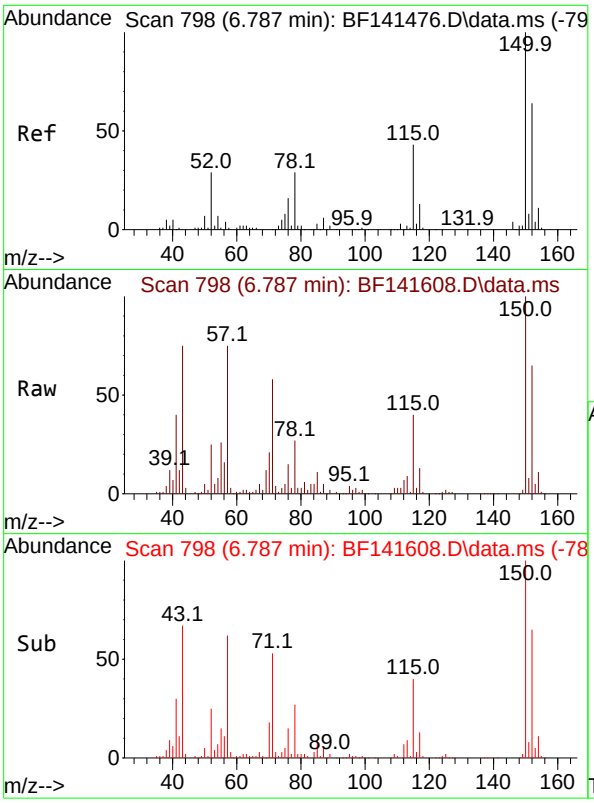
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021325\
Data File : BF141608.D
Acq On : 13 Feb 2025 12:24
Operator : RC/JU
Sample : Q1237-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HL2PX3

Quant Time: Feb 13 12:54:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration



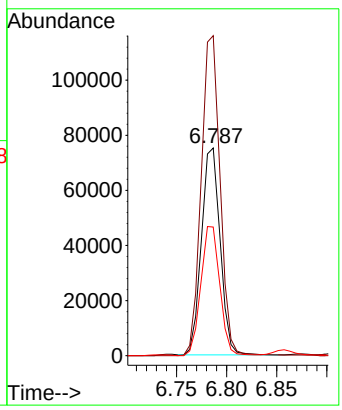


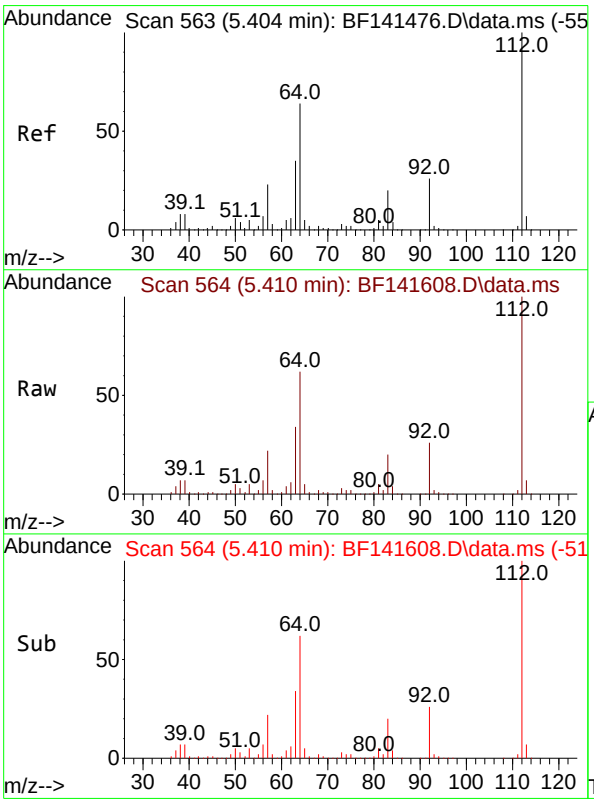
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 7
Delta R.T. -0.005 min
Lab File: BF141608.D
Acq: 13 Feb 2025 12:24

Instrument :
BNA_F
ClientSampleId :
HL2PX3

Tgt Ion:152 Resp: 97501

Ion	Ratio	Lower	Upper
152	100		
150	154.1	125.0	187.4
115	61.9	53.6	80.4

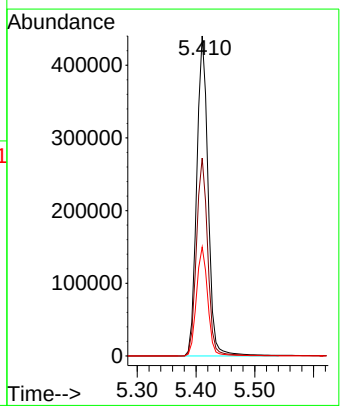


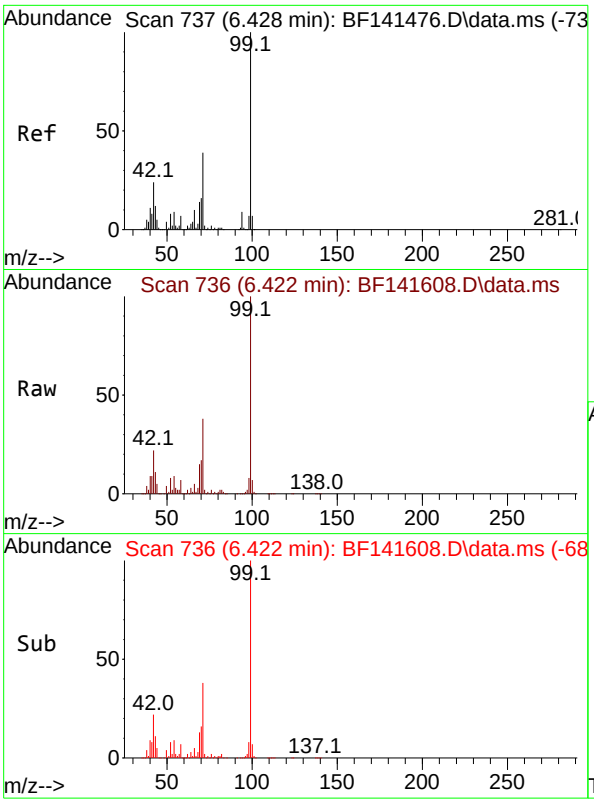


#5
2-Fluorophenol
Concen: 95.057 ng
RT: 5.410 min Scan# 564
Delta R.T. 0.000 min
Lab File: BF141608.D
Acq: 13 Feb 2025 12:24

Tgt Ion:112 Resp: 591179

Ion	Ratio	Lower	Upper
112	100		
64	61.9	51.1	76.7
63	34.1	28.4	42.6



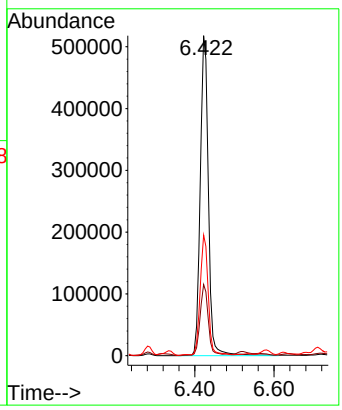


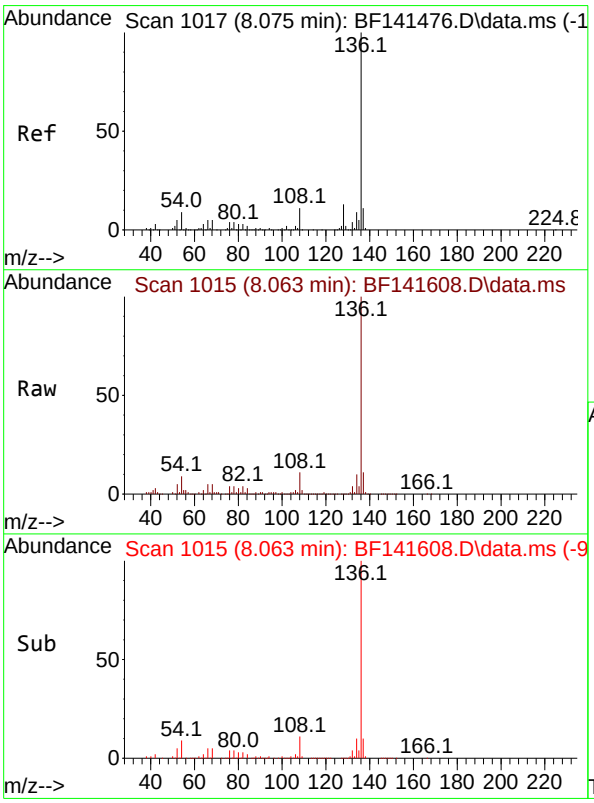
#7
Phenol-d6
Concen: 93.623 ng
RT: 6.422 min Scan# 7
Delta R.T. -0.017 min
Lab File: BF141608.D
Acq: 13 Feb 2025 12:24

Instrument :
BNA_F
ClientSampleId :
HL2PX3

Tgt Ion: 99 Resp: 735929

Ion	Ratio	Lower	Upper
99	100		
42	22.2	19.1	28.7
71	37.7	31.1	46.7

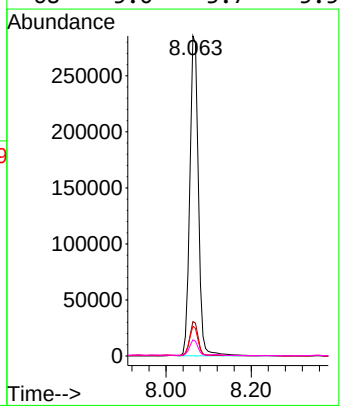


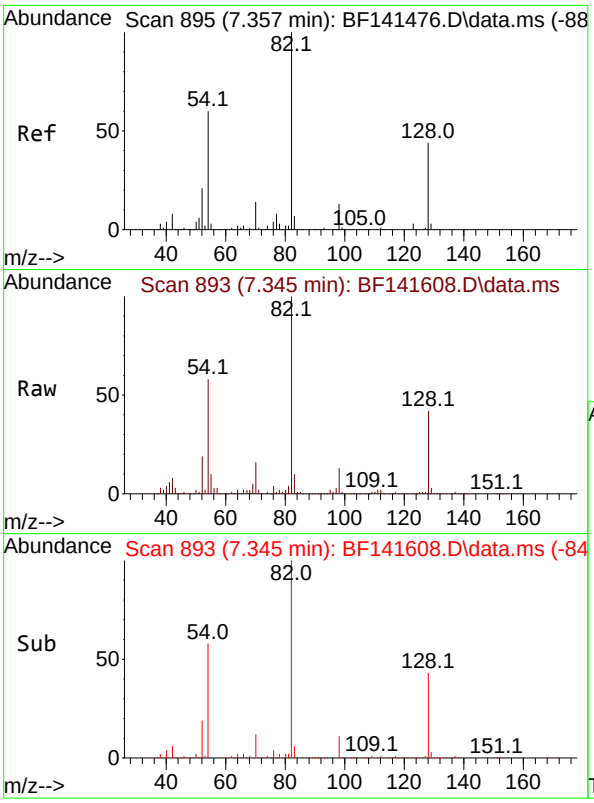


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF141608.D
Acq: 13 Feb 2025 12:24

Tgt Ion:136 Resp: 397436

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	9.3	7.2	10.8
68	5.0	3.7	5.5



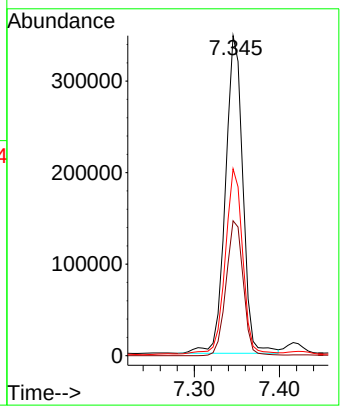


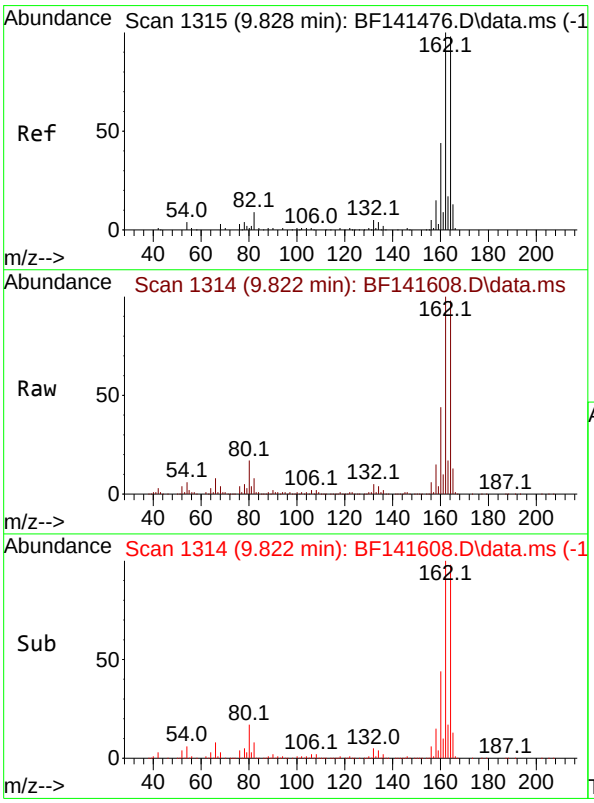
#23
Nitrobenzene-d5
Concen: 64.673 ng
RT: 7.345 min Scan# 8
Delta R.T. -0.017 min
Lab File: BF141608.D
Acq: 13 Feb 2025 12:24

Instrument :
BNA_F
ClientSampleId :
HL2PX3

Tgt Ion: 82 Resp: 492796

Ion	Ratio	Lower	Upper
82	100		
128	42.2	34.8	52.2
54	58.4	48.2	72.4

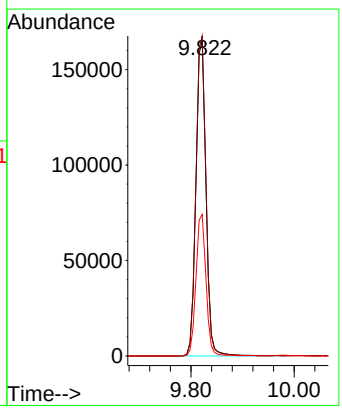


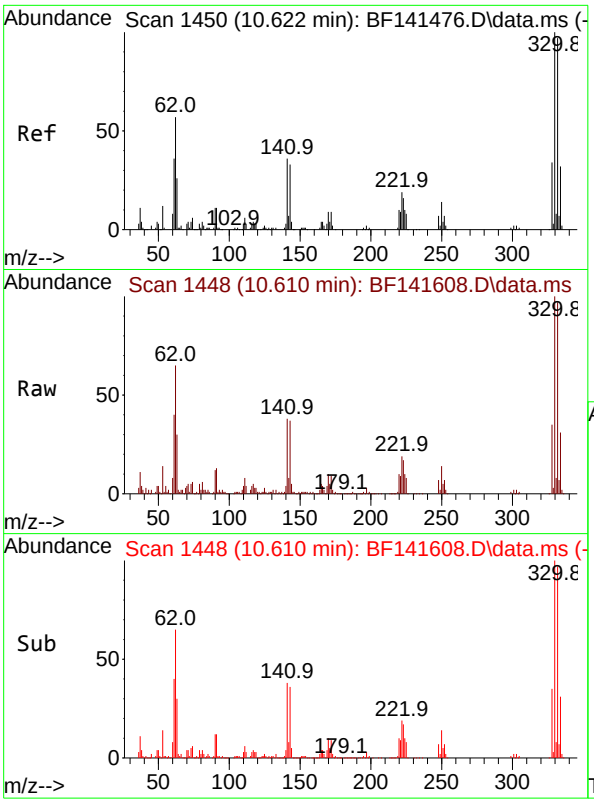


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF141608.D
Acq: 13 Feb 2025 12:24

Tgt Ion:164 Resp: 223685

Ion	Ratio	Lower	Upper
164	100		
162	101.7	81.3	121.9
160	45.0	35.9	53.9



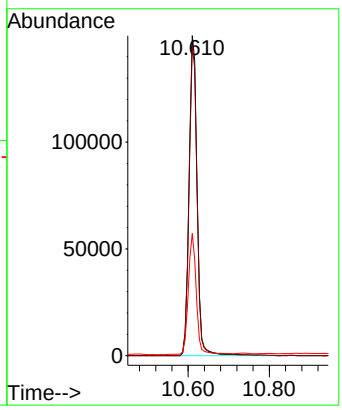


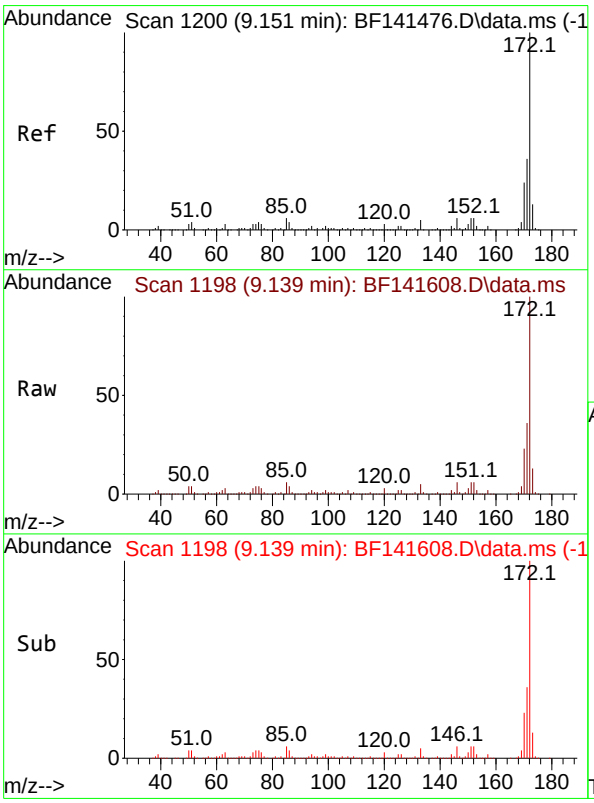
#42
2,4,6-Tribromophenol
Concen: 91.415 ng
RT: 10.610 min Scan# 14
Delta R.T. -0.017 min
Lab File: BF141608.D
Acq: 13 Feb 2025 12:24

Instrument :
BNA_F
ClientSampleId :
HL2PX3

Tgt Ion:330 Resp: 205410

Ion	Ratio	Lower	Upper
330	100		
332	96.7	78.5	117.7
141	37.9	31.0	46.4

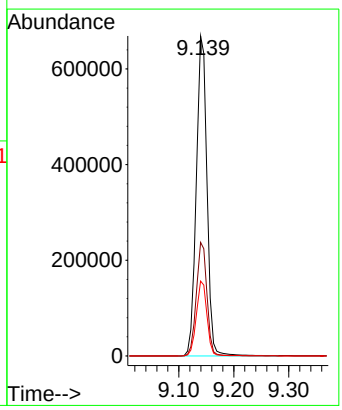


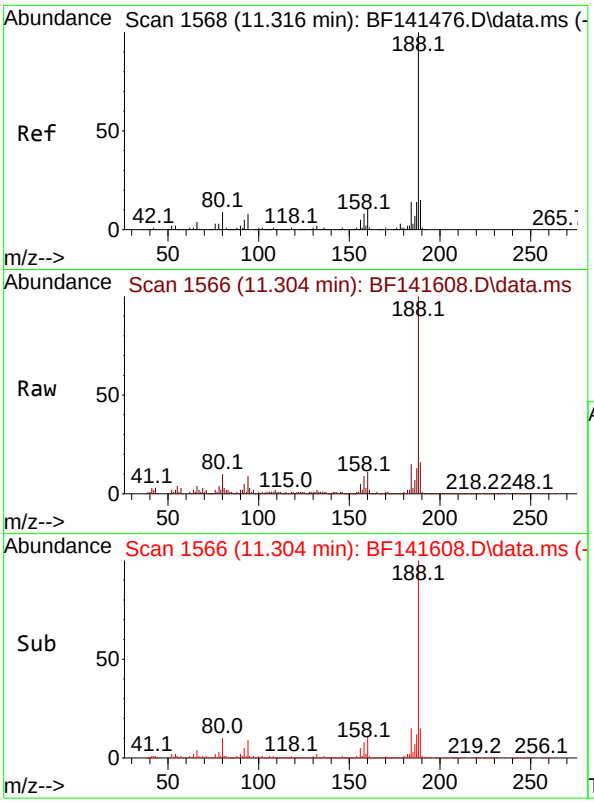


#45
2-Fluorobiphenyl
Concen: 62.523 ng
RT: 9.139 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF141608.D
Acq: 13 Feb 2025 12:24

Tgt Ion:172 Resp: 907766

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.7	43.1
170	23.4	18.9	28.3



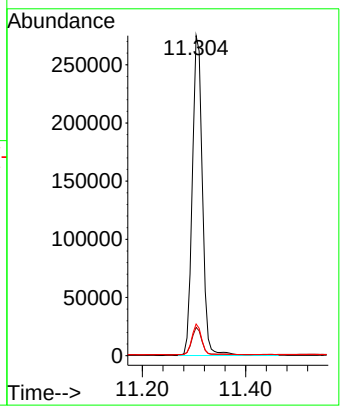


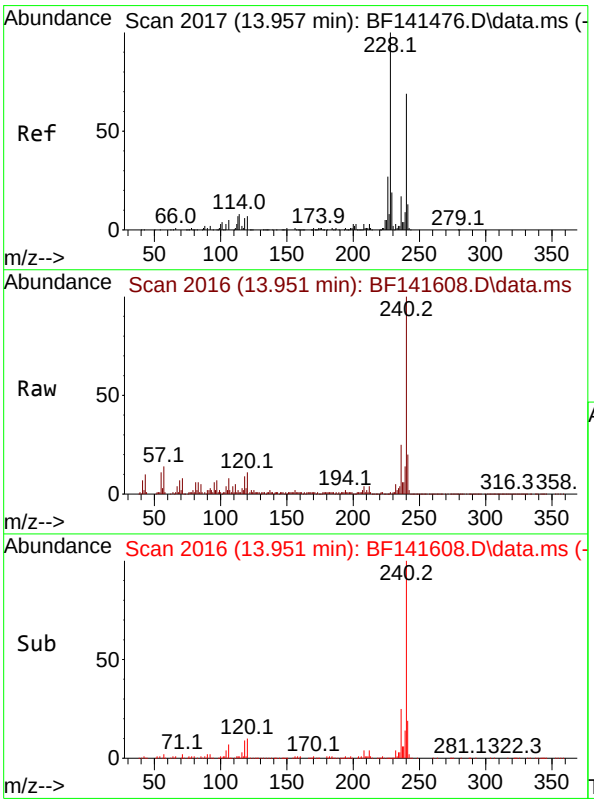
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141608.D
Acq: 13 Feb 2025 12:24

Instrument :
BNA_F
ClientSampleId :
HL2PX3

Tgt Ion:188 Resp: 371884

Ion	Ratio	Lower	Upper
188	100		
94	8.9	6.6	10.0
80	9.9	7.3	10.9

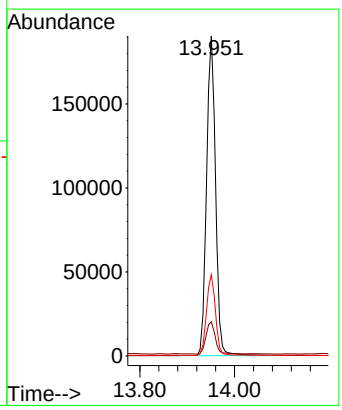


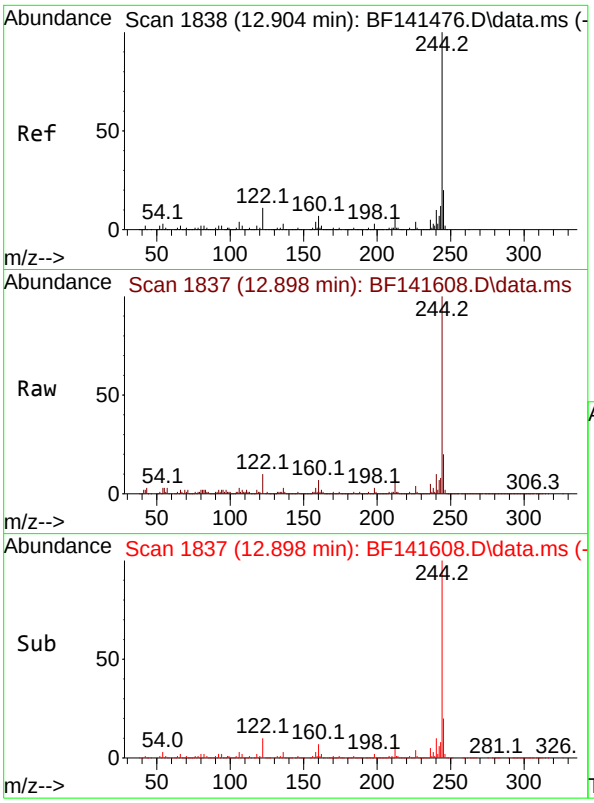


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.012 min
Lab File: BF141608.D
Acq: 13 Feb 2025 12:24

Tgt Ion:240 Resp: 250100

Ion	Ratio	Lower	Upper
240	100		
120	10.7	8.0	12.0
236	25.4	19.8	29.8



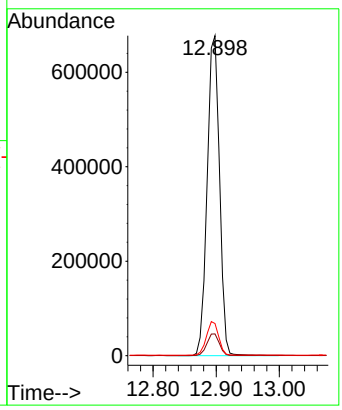


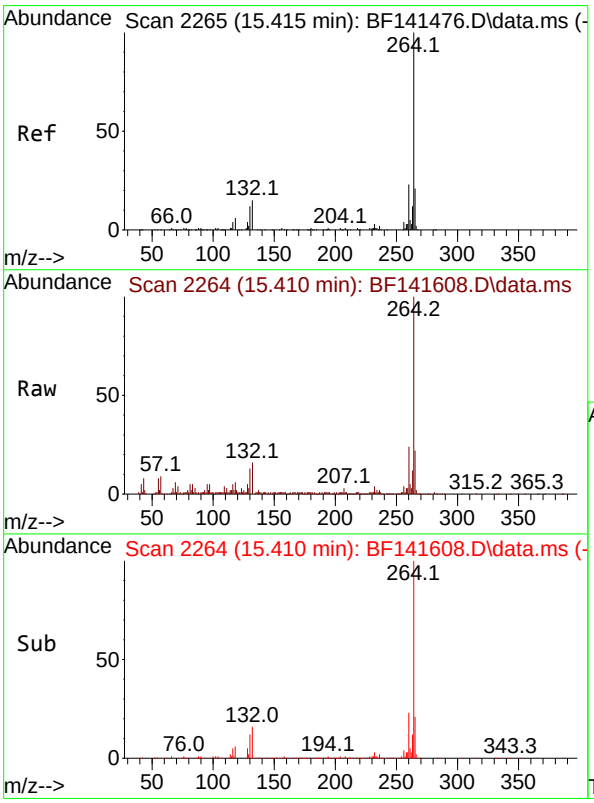
#79
Terphenyl-d14
Concen: 61.773 ng
RT: 12.898 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141608.D
Acq: 13 Feb 2025 12:24

Instrument :
BNA_F
ClientSampleId :
HL2PX3

Tgt Ion:244 Resp: 915157

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.6	8.4
122	10.0	8.4	12.6

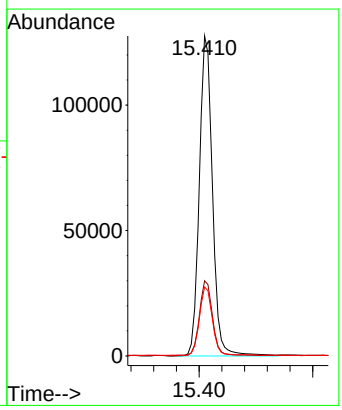




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.410 min Scan# 2264
Delta R.T. -0.006 min
Lab File: BF141608.D
Acq: 13 Feb 2025 12:24

Tgt Ion:264 Resp: 205278

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.6	28.0
265	21.5	17.0	25.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
Data File : BF141552.D
Acq On : 11 Feb 2025 10:55
Operator : RC/JU
Sample : PB166640BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166640BL

Quant Time: Feb 11 11:20:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

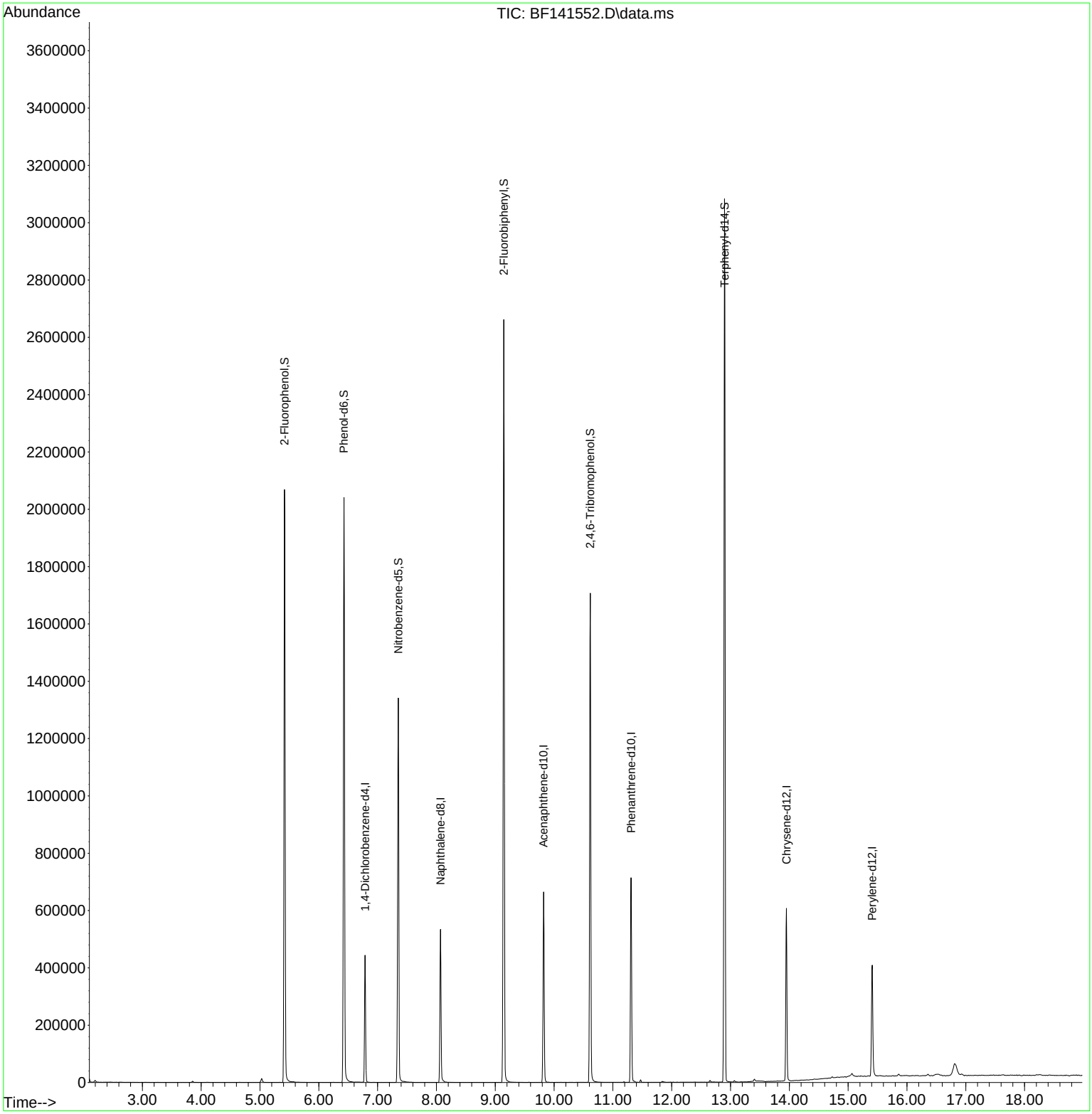
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	88145	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	359727	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	204188	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	375990	20.000	ng	0.00
76) Chrysene-d12	13.951	240	303150	20.000	ng	-0.01
86) Perylene-d12	15.410	264	234196	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	750167	133.424	ng	0.00
7) Phenol-d6	6.428	99	936490	131.784	ng	-0.01
23) Nitrobenzene-d5	7.351	82	629267	91.240	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	283654	138.289	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	1215582	91.718	ng	0.00
79) Terphenyl-d14	12.898	244	1564256	87.110	ng	0.00
Target Compounds						Qvalue

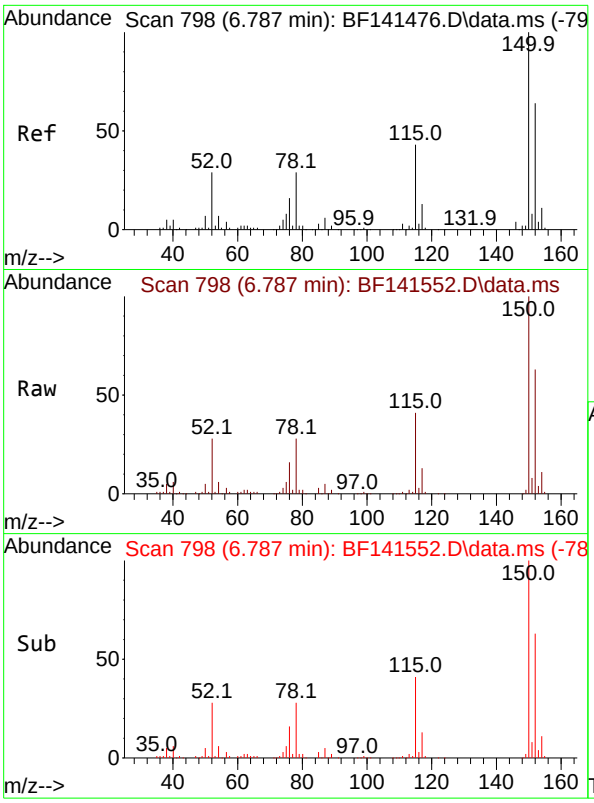
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
Data File : BF141552.D
Acq On : 11 Feb 2025 10:55
Operator : RC/JU
Sample : PB166640BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166640BL

Quant Time: Feb 11 11:20:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration



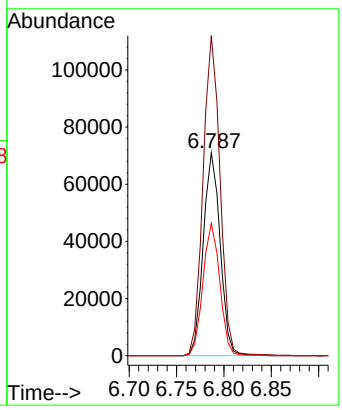


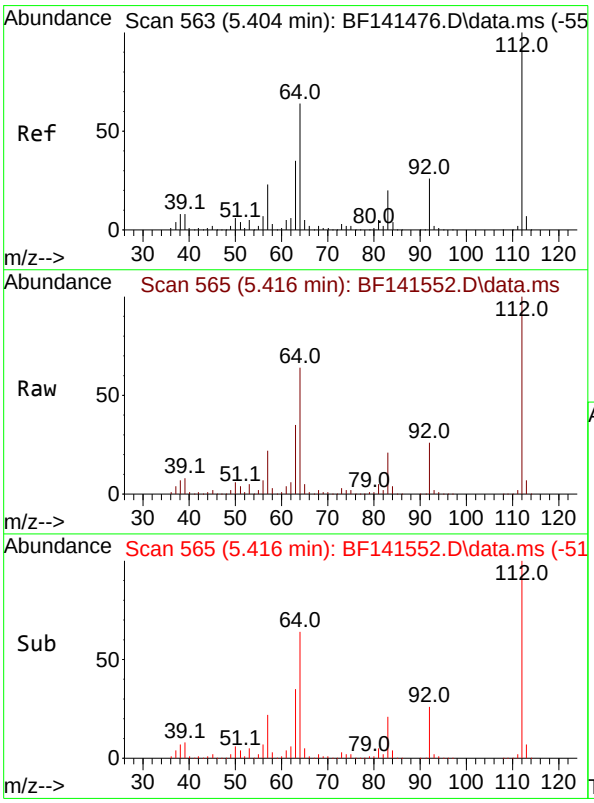
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 7
Delta R.T. -0.005 min
Lab File: BF141552.D
Acq: 11 Feb 2025 10:55

Instrument :
BNA_F
ClientSampleId :
PB166640BL

Tgt Ion:152 Resp: 88145

Ion	Ratio	Lower	Upper
152	100		
150	157.7	125.0	187.4
115	65.2	53.6	80.4

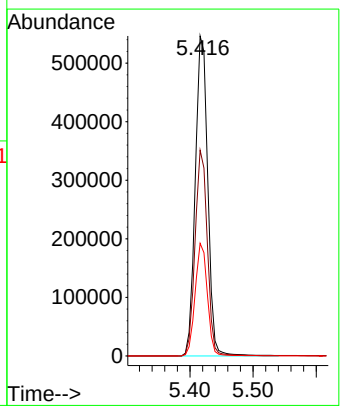


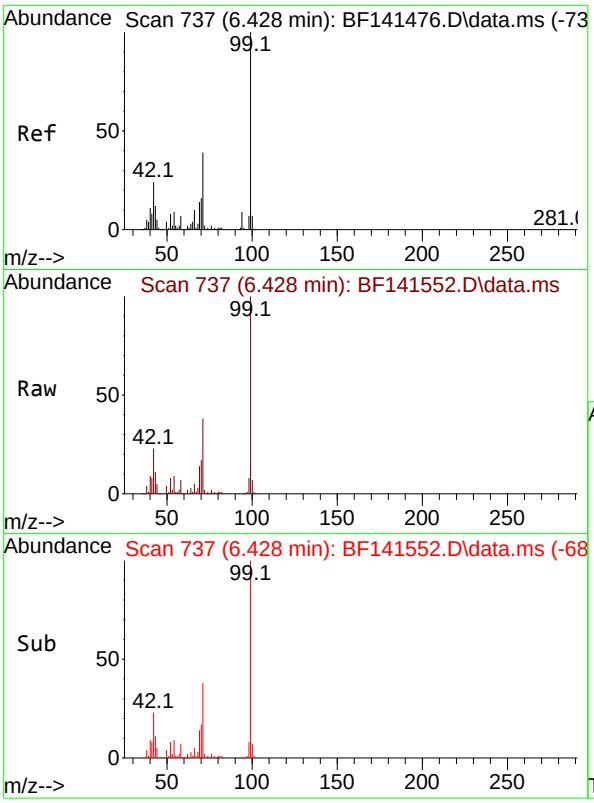


#5
2-Fluorophenol
Concen: 133.424 ng
RT: 5.416 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF141552.D
Acq: 11 Feb 2025 10:55

Tgt Ion:112 Resp: 750167

Ion	Ratio	Lower	Upper
112	100		
64	64.3	51.1	76.7
63	35.2	28.4	42.6



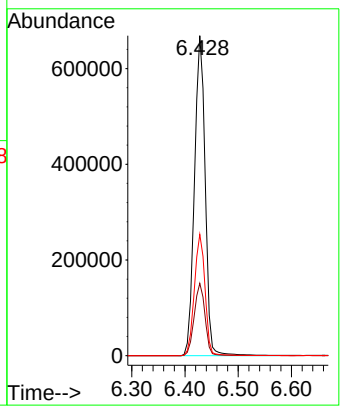


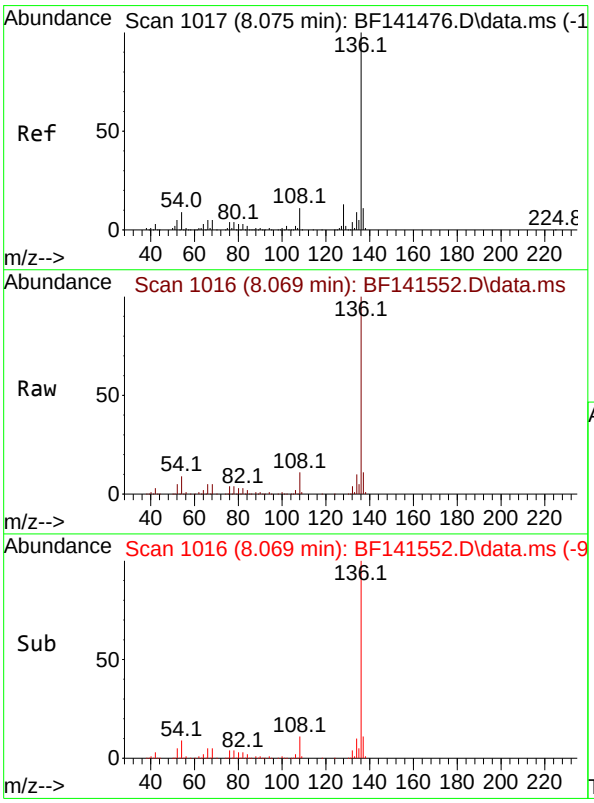
#7
Phenol-d6
Concen: 131.784 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141552.D
Acq: 11 Feb 2025 10:55

Instrument :
BNA_F
ClientSampleId :
PB166640BL

Tgt Ion: 99 Resp: 936490

Ion	Ratio	Lower	Upper
99	100		
42	22.6	19.1	28.7
71	37.9	31.1	46.7

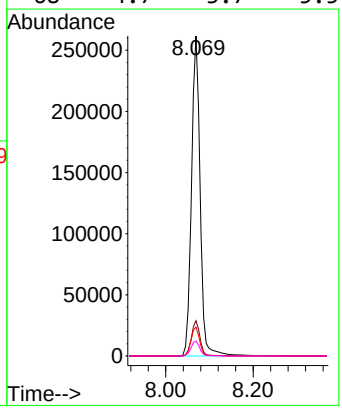


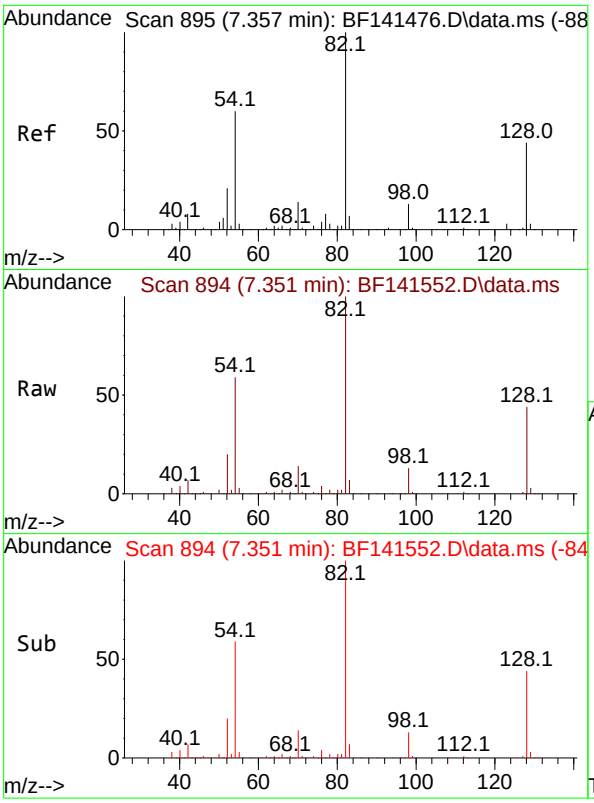


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF141552.D
Acq: 11 Feb 2025 10:55

Tgt Ion:136 Resp: 359727

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	9.0	7.2	10.8
68	4.7	3.7	5.5



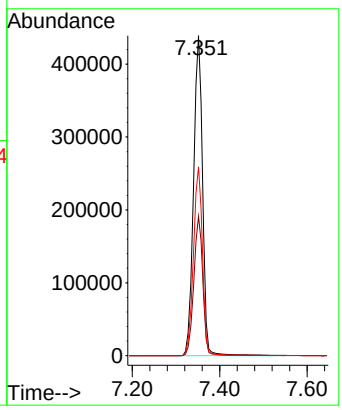


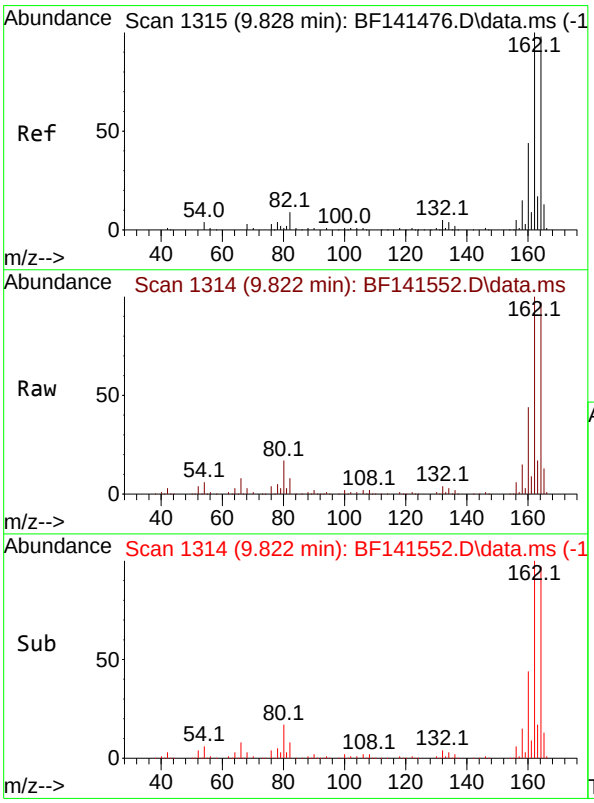
#23
Nitrobenzene-d5
Concen: 91.240 ng
RT: 7.351 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141552.D
Acq: 11 Feb 2025 10:55

Instrument :
BNA_F
ClientSampleId :
PB166640BL

Tgt Ion: 82 Resp: 629267

Ion	Ratio	Lower	Upper
82	100		
128	43.6	34.8	52.2
54	59.0	48.2	72.4

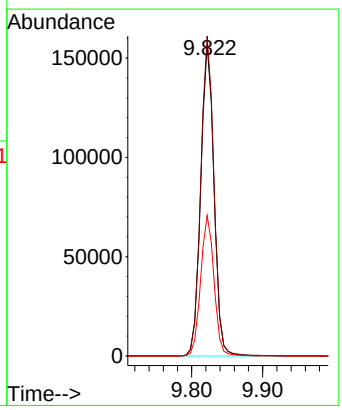


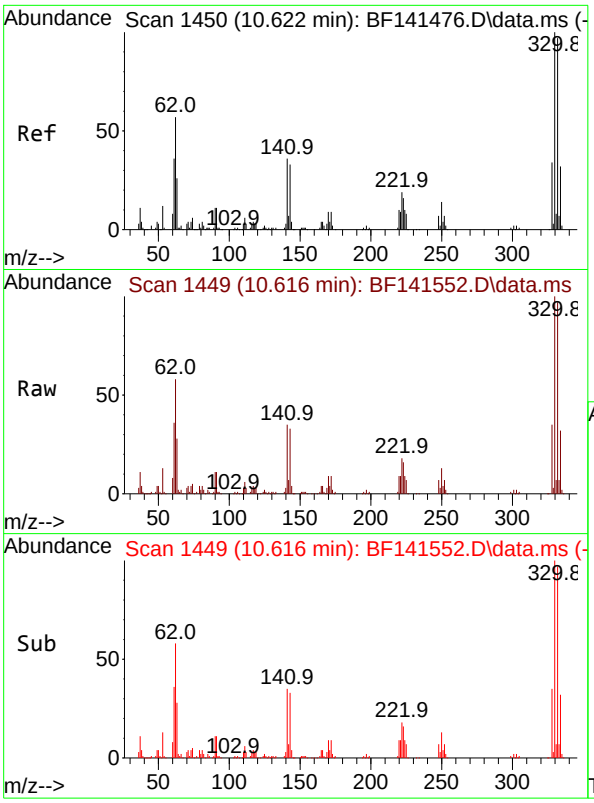


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF141552.D
Acq: 11 Feb 2025 10:55

Tgt Ion:164 Resp: 204188

Ion	Ratio	Lower	Upper
164	100		
162	102.8	81.3	121.9
160	45.1	35.9	53.9



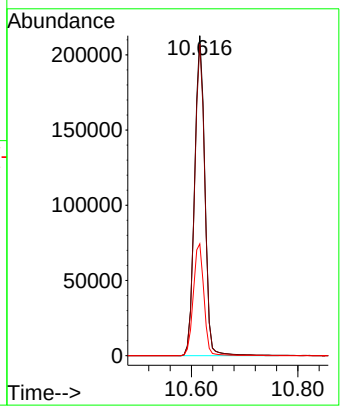


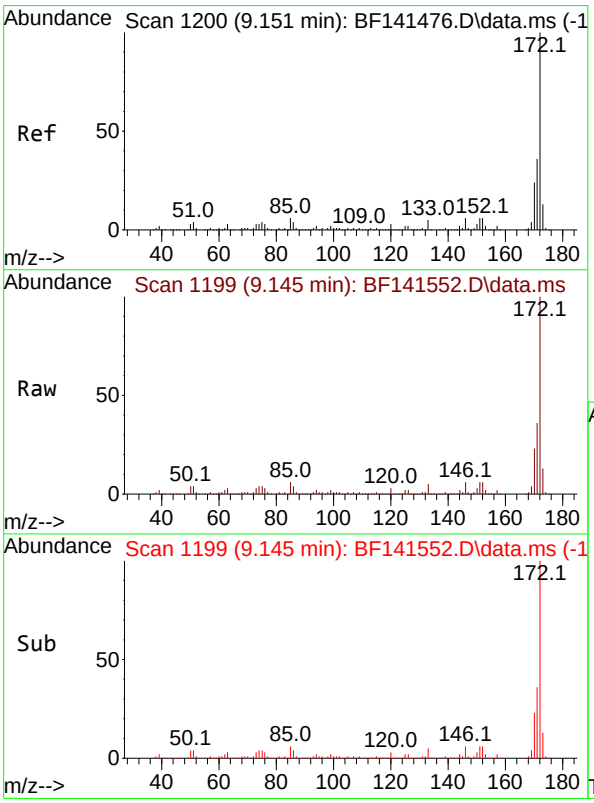
#42
2,4,6-Tribromophenol
Concen: 138.289 ng
RT: 10.616 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141552.D
Acq: 11 Feb 2025 10:55

Instrument :
BNA_F
ClientSampleId :
PB166640BL

Tgt Ion:330 Resp: 283654

Ion	Ratio	Lower	Upper
330	100		
332	97.6	78.5	117.7
141	36.2	31.0	46.4

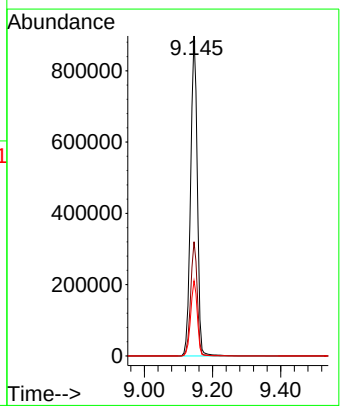


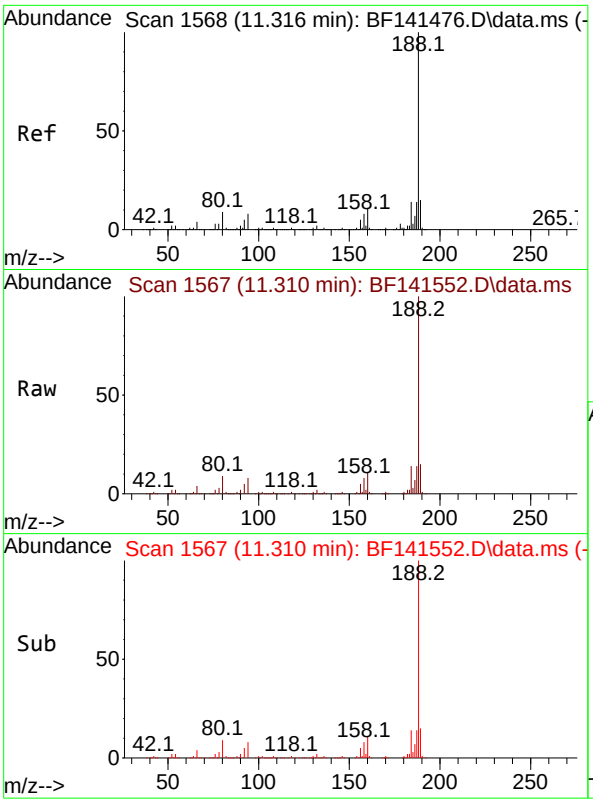


#45
2-Fluorobiphenyl
Concen: 91.718 ng
RT: 9.145 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BF141552.D
Acq: 11 Feb 2025 10:55

Tgt Ion:172 Resp: 1215582

Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.7	43.1
170	23.5	18.9	28.3



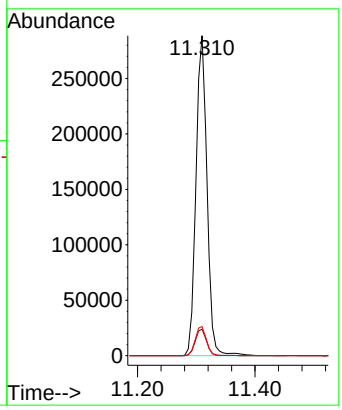


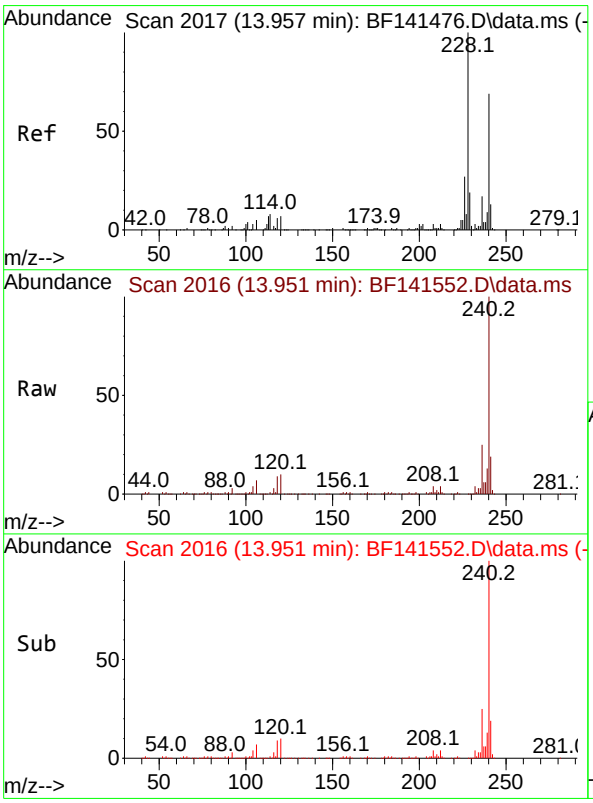
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141552.D
Acq: 11 Feb 2025 10:55

Instrument :
BNA_F
ClientSampleId :
PB166640BL

Tgt Ion:188 Resp: 375990

Ion	Ratio	Lower	Upper
188	100		
94	8.3	6.6	10.0
80	9.1	7.3	10.9

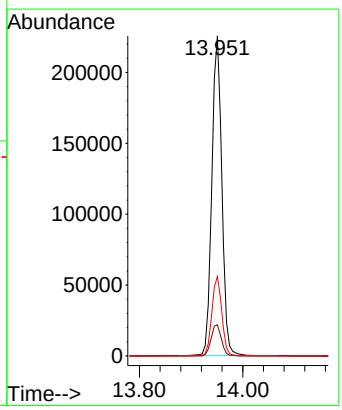


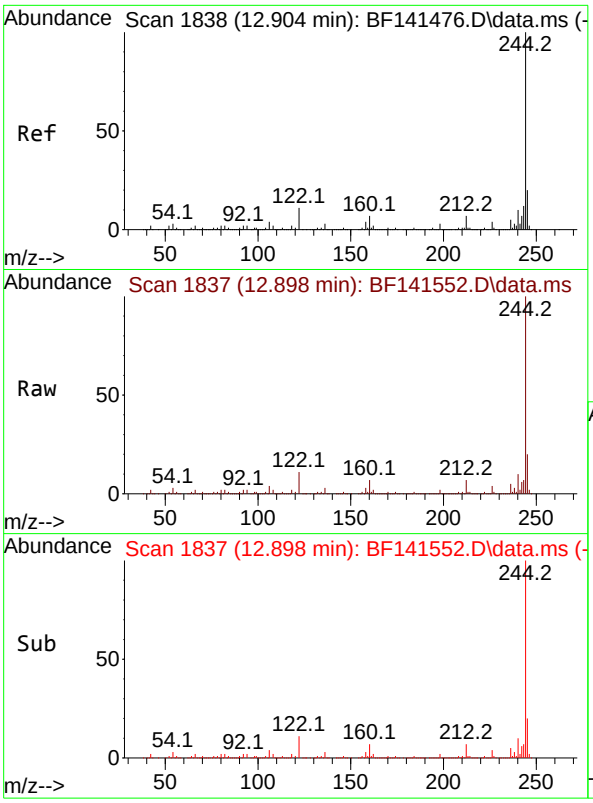


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.012 min
Lab File: BF141552.D
Acq: 11 Feb 2025 10:55

Tgt Ion:240 Resp: 303150

Ion	Ratio	Lower	Upper
240	100		
120	9.7	8.0	12.0
236	24.9	19.8	29.8



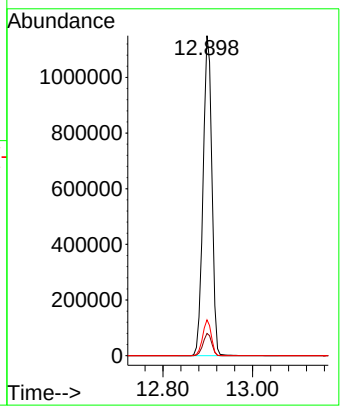


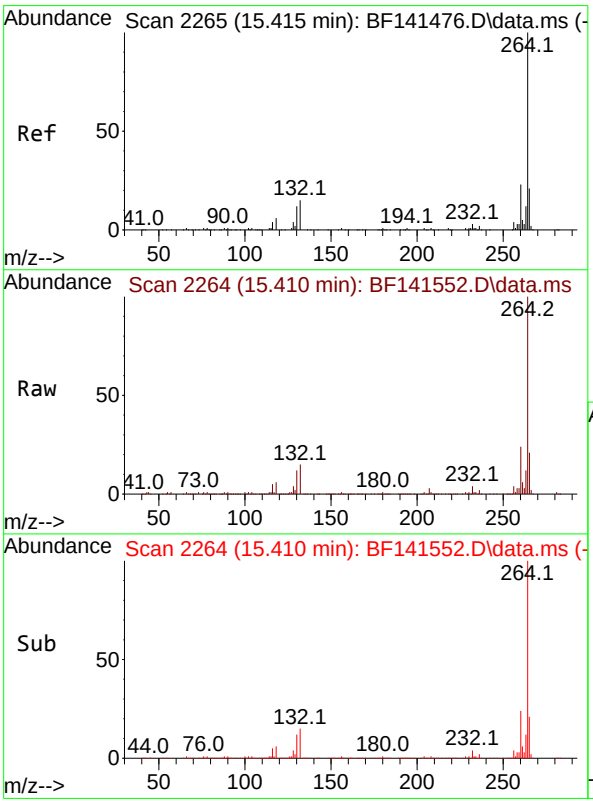
#79
Terphenyl-d14
Concen: 87.110 ng
RT: 12.898 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141552.D
Acq: 11 Feb 2025 10:55

Instrument :
BNA_F
ClientSampleId :
PB166640BL

Tgt Ion:244 Resp: 1564256

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	11.2	8.4	12.6

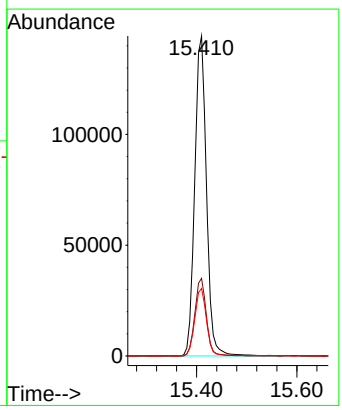




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.410 min Scan# 2264
Delta R.T. -0.006 min
Lab File: BF141552.D
Acq: 11 Feb 2025 10:55

Tgt Ion:264 Resp: 234196

Ion	Ratio	Lower	Upper
264	100		
260	24.3	18.6	28.0
265	21.1	17.0	25.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
Data File : BF141553.D
Acq On : 11 Feb 2025 11:21
Operator : RC/JU
Sample : PB166640BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 11 11:48:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB166640BS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 02/11/2025
Supervised By :mohammad ahmed 02/12/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	98338	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	392665	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	222790	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	382820	20.000	ng	0.00
76) Chrysene-d12	13.957	240	245835	20.000	ng	0.00
86) Perylene-d12	15.404	264	192005	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	747104	119.106	ng	0.01
7) Phenol-d6	6.434	99	936838	118.168	ng	0.00
23) Nitrobenzene-d5	7.357	82	619912	82.344	ng	0.00
42) 2,4,6-Tribromophenol	10.622	330	284408	127.080	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	1214066	83.955	ng	0.00
79) Terphenyl-d14	12.898	244	1434287	98.494	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.581	88	85878	34.017	ng	99
3) Pyridine	3.316	79	206790	34.422	ng	99
4) n-Nitrosodimethylamine	3.257	42	145898	36.677	ng	97
6) Aniline	6.451	93	277331	37.291	ng	94
8) 2-Chlorophenol	6.575	128	267464	39.462	ng	99
9) Benzaldehyde	6.340	77	166184	39.446	ng	100
10) Phenol	6.446	94	317521	38.480	ng	95
11) bis(2-Chloroethyl)ether	6.528	93	242817	39.178	ng	100
12) 1,3-Dichlorobenzene	6.728	146	276983	38.709	ng	97
13) 1,4-Dichlorobenzene	6.804	146	276912	37.877	ng	99
14) 1,2-Dichlorobenzene	6.957	146	269902	39.778	ng	99
15) Benzyl Alcohol	6.934	79	238781	39.276	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.063	45	415819	39.193	ng	82
17) 2-Methylphenol	7.051	107	213840	40.317	ng	98
18) Hexachloroethane	7.298	117	108011	39.921	ng	98
19) n-Nitroso-di-n-propyla...	7.204	70	190159	40.099	ng	98
20) 3+4-Methylphenols	7.204	107	273070	40.511	ng	100
22) Acetophenone	7.198	105	410022	41.977	ng	98
24) Nitrobenzene	7.375	77	282825	38.526	ng	98
25) Isophorone	7.610	82	511753	42.633	ng	99
26) 2-Nitrophenol	7.687	139	145158	39.744	ng	97
27) 2,4-Dimethylphenol	7.728	122	218728	51.264	ng	99
28) bis(2-Chloroethoxy)met...	7.822	93	311535	40.502	ng	100
29) 2,4-Dichlorophenol	7.934	162	230194	39.930	ng	99
30) 1,2,4-Trichlorobenzene	8.010	180	241949	38.540	ng	99
31) Naphthalene	8.092	128	780285	38.175	ng	100
32) Benzoic acid	7.869	122	174885	39.461	ng	96
33) 4-Chloroaniline	8.145	127	198728	27.848	ng	98
34) Hexachlorobutadiene	8.210	225	151737	40.261	ng	99
35) Caprolactam	8.516	113	82476m	46.988	ng	
36) 4-Chloro-3-methylphenol	8.634	107	256122	40.108	ng	99
37) 2-Methylnaphthalene	8.787	142	502697	37.795	ng	99
38) 1-Methylnaphthalene	8.881	142	488688	37.935	ng	97
40) 1,2,4,5-Tetrachloroben...	8.951	216	276152	42.844	ng	99
41) Hexachlorocyclopentadiene	8.934	237	295141	137.668	ng	98
43) 2,4,6-Trichlorophenol	9.069	196	164369	39.456	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
Data File : BF141553.D
Acq On : 11 Feb 2025 11:21
Operator : RC/JU
Sample : PB166640BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 11 11:48:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB166640BS

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 02/11/2025
Supervised By :mohammad ahmed 02/12/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	179191	39.689	ng	99
46) 1,1'-Biphenyl	9.251	154	737237	42.683	ng	100
47) 2-Chloronaphthalene	9.275	162	497000	38.912	ng	99
48) 2-Nitroaniline	9.375	65	171986	40.123	ng	98
49) Acenaphthylene	9.686	152	776939	40.897	ng	100
50) Dimethylphthalate	9.551	163	610541	40.367	ng	99
51) 2,6-Dinitrotoluene	9.616	165	135349	40.936	ng	98
52) Acenaphthene	9.863	154	489581	38.333	ng	99
53) 3-Nitroaniline	9.786	138	96150	27.019	ng	97
54) 2,4-Dinitrophenol	9.898	184	175822	89.474	ng	97
55) Dibenzofuran	10.034	168	707135	37.720	ng	99
56) 4-Nitrophenol	9.963	139	222417	84.195	ng	96
57) 2,4-Dinitrotoluene	10.022	165	181418	41.217	ng	100
58) Fluorene	10.375	166	567729	39.167	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.157	232	153873	39.587	ng	97
60) Diethylphthalate	10.251	149	592461	39.814	ng	99
61) 4-Chlorophenyl-phenyle...	10.369	204	276120	39.596	ng	99
62) 4-Nitroaniline	10.404	138	137609	38.082	ng	99
63) Azobenzene	10.528	77	576561	38.974	ng	98
65) 4,6-Dinitro-2-methylph...	10.433	198	110293	41.475	ng	96
66) n-Nitrosodiphenylamine	10.486	169	502279	40.988	ng	100
67) 4-Bromophenyl-phenylether	10.857	248	176041	41.145	ng	97
68) Hexachlorobenzene	10.922	284	184417	41.859	ng	97
69) Atrazine	11.016	200	196812	53.535	ng	100
70) Pentachlorophenol	11.122	266	222244	78.891	ng	99
71) Phenanthrene	11.339	178	869573	41.266	ng	100
72) Anthracene	11.392	178	886168	41.834	ng	99
73) Carbazole	11.545	167	777086	40.770	ng	100
74) Di-n-butylphthalate	11.875	149	933869	42.433	ng	100
75) Fluoranthene	12.527	202	907964	40.641	ng	100
77) Benzidine	12.651	184	314381	57.985	ng	100
78) Pyrene	12.757	202	928873	44.386	ng	100
80) Butylbenzylphthalate	13.374	149	338587	46.711	ng	99
81) Benzo(a)anthracene	13.945	228	691833	42.336	ng	100
82) 3,3'-Dichlorobenzidine	13.904	252	142695	30.483	ng	100
83) Chrysene	13.980	228	616121	40.833	ng	99
84) Bis(2-ethylhexyl)phtha...	13.933	149	392947	48.065	ng	100
85) Di-n-octyl phthalate	14.551	149	528060	45.278	ng	99
87) Indeno(1,2,3-cd)pyrene	16.851	276	543554	45.816	ng	99
88) Benzo(b)fluoranthene	14.986	252	539713	41.863	ng	99
89) Benzo(k)fluoranthene	15.016	252	423973	38.512	ng	99
90) Benzo(a)pyrene	15.345	252	452188	43.346	ng	99
91) Dibenzo(a,h)anthracene	16.862	278	434973	45.248	ng	99
92) Benzo(g,h,i)perylene	17.280	276	430329	42.778	ng	99

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

Sample Results: **BF141553.D**

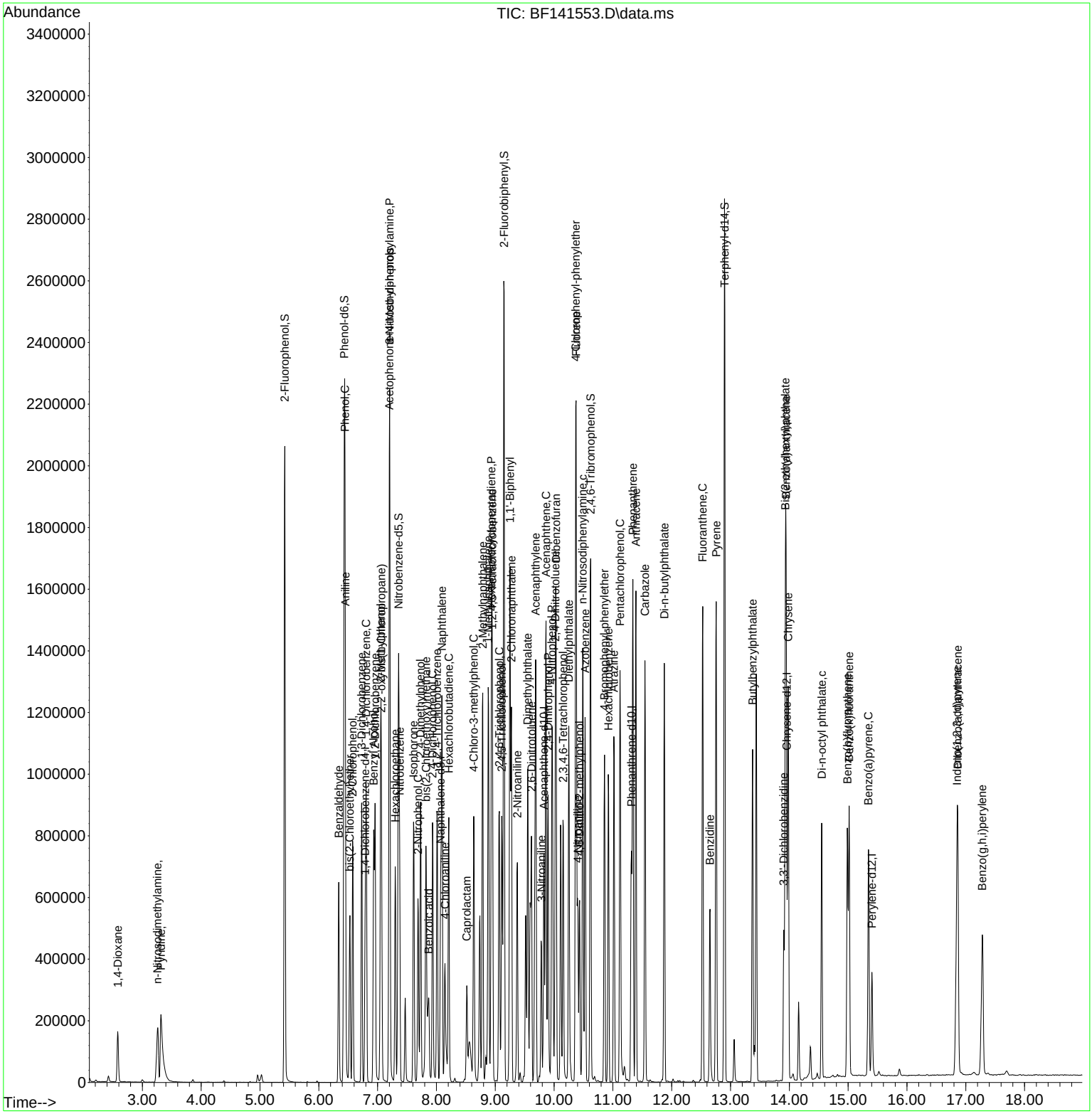
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
Data File : BF141553.D
Acq On : 11 Feb 2025 11:21
Operator : RC/JU
Sample : PB166640BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 11 11:48:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB166640BS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 02/11/2025
Supervised By :mohammad ahmed 02/12/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021325\
Data File : BF141610.D
Acq On : 13 Feb 2025 13:17
Operator : RC/JU
Sample : Q1343-13MS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-13MS

Quant Time: Feb 13 13:37:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.787	152	96324	20.000	ng		0.00
21) Naphthalene-d8	8.069	136	378872	20.000	ng		0.00
39) Acenaphthene-d10	9.822	164	214420	20.000	ng		-0.01
64) Phenanthrene-d10	11.310	188	370658	20.000	ng		0.00
76) Chrysene-d12	13.957	240	256669	20.000	ng		0.00
86) Perylene-d12	15.410	264	207782	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.416	112	549592	89.450	ng		0.00
7) Phenol-d6	6.428	99	701449	90.327	ng		-0.01
23) Nitrobenzene-d5	7.351	82	459846	63.306	ng		-0.01
42) 2,4,6-Tribromophenol	10.616	330	212393	98.606	ng		-0.01
45) 2-Fluorobiphenyl	9.145	172	858263	61.668	ng		0.00
79) Terphenyl-d14	12.892	244	990319	65.136	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	2.605	88	118840	48.058	ng		99
3) Pyridine	3.328	79	221389	37.622	ng		97
4) n-Nitrosodimethylamine	3.287	42	168613	43.274	ng		93
6) Aniline	6.451	93	127968	17.567	ng	#	23
8) 2-Chlorophenol	6.575	128	304766	45.906	ng		99
9) Benzaldehyde	6.334	77	165850	40.190	ng		99
10) Phenol	6.445	94	366990	45.405	ng		81
11) bis(2-Chloroethyl)ether	6.522	93	279599	46.056	ng		99
12) 1,3-Dichlorobenzene	6.728	146	319791	45.626	ng		97
13) 1,4-Dichlorobenzene	6.804	146	325833	45.501	ng		98
14) 1,2-Dichlorobenzene	6.951	146	309837	46.618	ng		99
15) Benzyl Alcohol	6.934	79	247271	41.523	ng		97
16) 2,2'-oxybis(1-Chloropr...	7.063	45	460612	44.323	ng		82
17) 2-Methylphenol	7.051	107	236337	45.490	ng		95
18) Hexachloroethane	7.292	117	123748	46.693	ng		99
19) n-Nitroso-di-n-propyla...	7.204	70	215652	46.426	ng		96
20) 3+4-Methylphenols	7.204	107	310548	47.034	ng		94
22) Acetophenone	7.198	105	468055	49.663	ng		96
24) Nitrobenzene	7.369	77	319498	45.106	ng		99
25) Isophorone	7.610	82	579310	50.018	ng		99
26) 2-Nitrophenol	7.687	139	163549	46.410	ng		96
27) 2,4-Dimethylphenol	7.728	122	233752	56.780	ng		99
28) bis(2-Chloroethoxy)met...	7.816	93	352179	47.453	ng		99
29) 2,4-Dichlorophenol	7.934	162	260071	46.755	ng		99
30) 1,2,4-Trichlorobenzene	8.010	180	275062	45.410	ng		99
31) Naphthalene	8.092	128	903704	45.823	ng		100
32) Benzoic acid	7.869	122	187219	43.782	ng		98
33) 4-Chloroaniline	8.163	127	56490	8.204	ng		99
34) Hexachlorobutadiene	8.204	225	173532	47.721	ng		99
35) Caprolactam	8.516	113	90677m	53.541	ng		
36) 4-Chloro-3-methylphenol	8.639	107	287300	46.628	ng		99
37) 2-Methylnaphthalene	8.781	142	570870	44.483	ng		100
38) 1-Methylnaphthalene	8.881	142	555789	44.715	ng		98
40) 1,2,4,5-Tetrachloroben...	8.945	216	309903	49.957	ng		99
41) Hexachlorocyclopentadiene	8.934	237	312120	151.271	ng		99
43) 2,4,6-Trichlorophenol	9.063	196	185024	46.148	ng		100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021325\
Data File : BF141610.D
Acq On : 13 Feb 2025 13:17
Operator : RC/JU
Sample : Q1343-13MS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-13MS

Quant Time: Feb 13 13:37:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

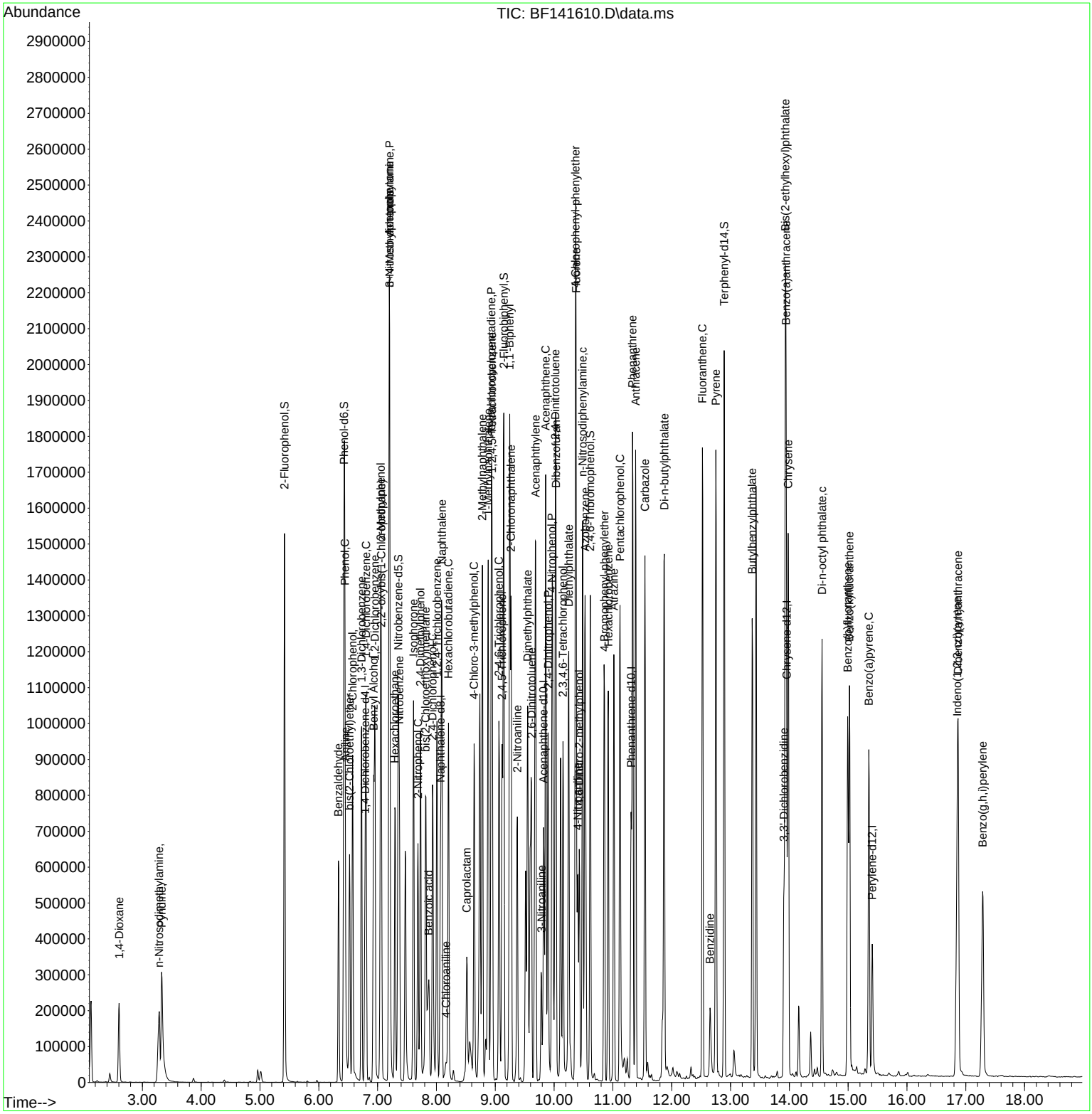
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.116	196	195738	45.047	ng	99
46) 1,1'-Biphenyl	9.245	154	832397	50.073	ng	99
47) 2-Chloronaphthalene	9.269	162	564607	45.930	ng	99
48) 2-Nitroaniline	9.375	65	183396	44.455	ng	95
49) Acenaphthylene	9.686	152	861388	47.112	ng	100
50) Dimethylphthalate	9.551	163	680951	46.780	ng	100
51) 2,6-Dinitrotoluene	9.616	165	148967	46.814	ng	96
52) Acenaphthene	9.857	154	551505	44.867	ng	99
53) 3-Nitroaniline	9.786	138	69306	20.236	ng	96
54) 2,4-Dinitrophenol	9.898	184	183827	97.200	ng	92
55) Dibenzofuran	10.033	168	790006	43.786	ng	99
56) 4-Nitrophenol	9.963	139	228337	89.810	ng	96
57) 2,4-Dinitrotoluene	10.022	165	202969	47.913	ng	98
58) Fluorene	10.375	166	628363	45.042	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.151	232	170325	45.530	ng	96
60) Diethylphthalate	10.251	149	654453	45.696	ng	99
61) 4-Chlorophenyl-phenyle...	10.363	204	309714	46.148	ng	99
62) 4-Nitroaniline	10.404	138	146108	42.013	ng	97
63) Azobenzene	10.528	77	746773	52.450	ng	91
65) 4,6-Dinitro-2-methylph...	10.428	198	121676	47.257	ng	100
66) n-Nitrosodiphenylamine	10.486	169	545490	45.974	ng	99
67) 4-Bromophenyl-phenylether	10.857	248	195046	47.083	ng	98
68) Hexachlorobenzene	10.922	284	204487	47.937	ng	99
69) Atrazine	11.016	200	206125	57.908	ng	99
70) Pentachlorophenol	11.122	266	228642	83.825	ng	100
71) Phenanthrene	11.333	178	996758	48.853	ng	100
72) Anthracene	11.386	178	974400	47.508	ng	100
73) Carbazole	11.545	167	838747	45.449	ng	100
74) Di-n-butylphthalate	11.875	149	1043143	48.953	ng	100
75) Fluoranthene	12.522	202	1032261	47.721	ng	99
77) Benzidine	12.651	184	125473	22.166	ng	98
78) Pyrene	12.751	202	1038726	47.540	ng	100
80) Butylbenzylphthalate	13.369	149	410037	54.180	ng	98
81) Benzo(a)anthracene	13.945	228	800362	46.910	ng	100
82) 3,3'-Dichlorobenzidine	13.910	252	152640	31.231	ng	99
83) Chrysene	13.980	228	732342	46.487	ng	100
84) Bis(2-ethylhexyl)phtha...	13.933	149	548077	64.211	ng	99
85) Di-n-octyl phthalate	14.557	149	790920	64.954	ng	99
87) Indeno(1,2,3-cd)pyrene	16.857	276	635689	49.514	ng	99
88) Benzo(b)fluoranthene	14.992	252	681805	48.869	ng	99
89) Benzo(k)fluoranthene	15.021	252	541984	45.494	ng	99
90) Benzo(a)pyrene	15.351	252	557325	49.368	ng	98
91) Dibenzo(a,h)anthracene	16.868	278	508347	48.865	ng	99
92) Benzo(g,h,i)perylene	17.286	276	497505	45.700	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021325\
Data File : BF141610.D
Acq On : 13 Feb 2025 13:17
Operator : RC/JU
Sample : Q1343-13MS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-13MS

Quant Time: Feb 13 13:37:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021325\
Data File : BF141611.D
Acq On : 13 Feb 2025 13:44
Operator : RC/JU
Sample : Q1343-13MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-13MSD

Quant Time: Feb 13 14:15:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.786	152	100491	20.000	ng		0.00
21) Naphthalene-d8	8.069	136	409269	20.000	ng		0.00
39) Acenaphthene-d10	9.822	164	227525	20.000	ng		-0.01
64) Phenanthrene-d10	11.310	188	399093	20.000	ng		0.00
76) Chrysene-d12	13.951	240	269691	20.000	ng		-0.01
86) Perylene-d12	15.404	264	219815	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.416	112	558510	87.132	ng		0.00
7) Phenol-d6	6.428	99	711264	87.793	ng		-0.01
23) Nitrobenzene-d5	7.351	82	471336	60.068	ng		-0.01
42) 2,4,6-Tribromophenol	10.616	330	214623	93.903	ng		-0.01
45) 2-Fluorobiphenyl	9.145	172	868239	58.791	ng		0.00
79) Terphenyl-d14	12.892	244	999319	62.554	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	2.610	88	120025	46.524	ng		99
3) Pyridine	3.334	79	249883	40.704	ng		98
4) n-Nitrosodimethylamine	3.293	42	169239	41.634	ng		94
6) Aniline	6.451	93	144876	19.063	ng	#	32
8) 2-Chlorophenol	6.575	128	306993	44.324	ng		99
9) Benzaldehyde	6.334	77	169441	39.357	ng		99
10) Phenol	6.445	94	371331	44.037	ng		82
11) bis(2-Chloroethyl)ether	6.522	93	284296	44.888	ng		100
12) 1,3-Dichlorobenzene	6.728	146	327521	44.792	ng		98
13) 1,4-Dichlorobenzene	6.804	146	327269	43.806	ng		99
14) 1,2-Dichlorobenzene	6.951	146	316646	45.667	ng		99
15) Benzyl Alcohol	6.934	79	254329	40.937	ng		97
16) 2,2'-oxybis(1-Chloropr...	7.063	45	464645	42.857	ng		79
17) 2-Methylphenol	7.051	107	238542	44.010	ng		96
18) Hexachloroethane	7.292	117	125801	45.500	ng		99
19) n-Nitroso-di-n-propyla...	7.204	70	215187	44.404	ng		96
20) 3+4-Methylphenols	7.204	107	314070	45.595	ng		98
22) Acetophenone	7.198	105	475296	46.686	ng		95
24) Nitrobenzene	7.369	77	324758	42.444	ng		99
25) Isophorone	7.610	82	592050	47.321	ng		99
26) 2-Nitrophenol	7.686	139	167962	44.122	ng		96
27) 2,4-Dimethylphenol	7.728	122	240235	54.020	ng		99
28) bis(2-Chloroethoxy)met...	7.822	93	355101	44.293	ng		100
29) 2,4-Dichlorophenol	7.933	162	265931	44.258	ng		99
30) 1,2,4-Trichlorobenzene	8.010	180	279282	42.682	ng		98
31) Naphthalene	8.092	128	902786	42.376	ng		100
32) Benzoic acid	7.875	122	198656	43.006	ng		99
33) 4-Chloroaniline	8.163	127	59323	7.976	ng		96
34) Hexachlorobutadiene	8.204	225	174561	44.438	ng		100
35) Caprolactam	8.516	113	91246m	49.876	ng		
36) 4-Chloro-3-methylphenol	8.639	107	287985	43.268	ng		99
37) 2-Methylnaphthalene	8.780	142	580667	41.885	ng		99
38) 1-Methylnaphthalene	8.880	142	560817	41.768	ng		97
40) 1,2,4,5-Tetrachloroben...	8.945	216	316298	48.051	ng		98
41) Hexachlorocyclopentadiene	8.933	237	324025	147.996	ng		98
43) 2,4,6-Trichlorophenol	9.063	196	187318	44.029	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021325\
Data File : BF141611.D
Acq On : 13 Feb 2025 13:44
Operator : RC/JU
Sample : Q1343-13MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-13MSD

Quant Time: Feb 13 14:15:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

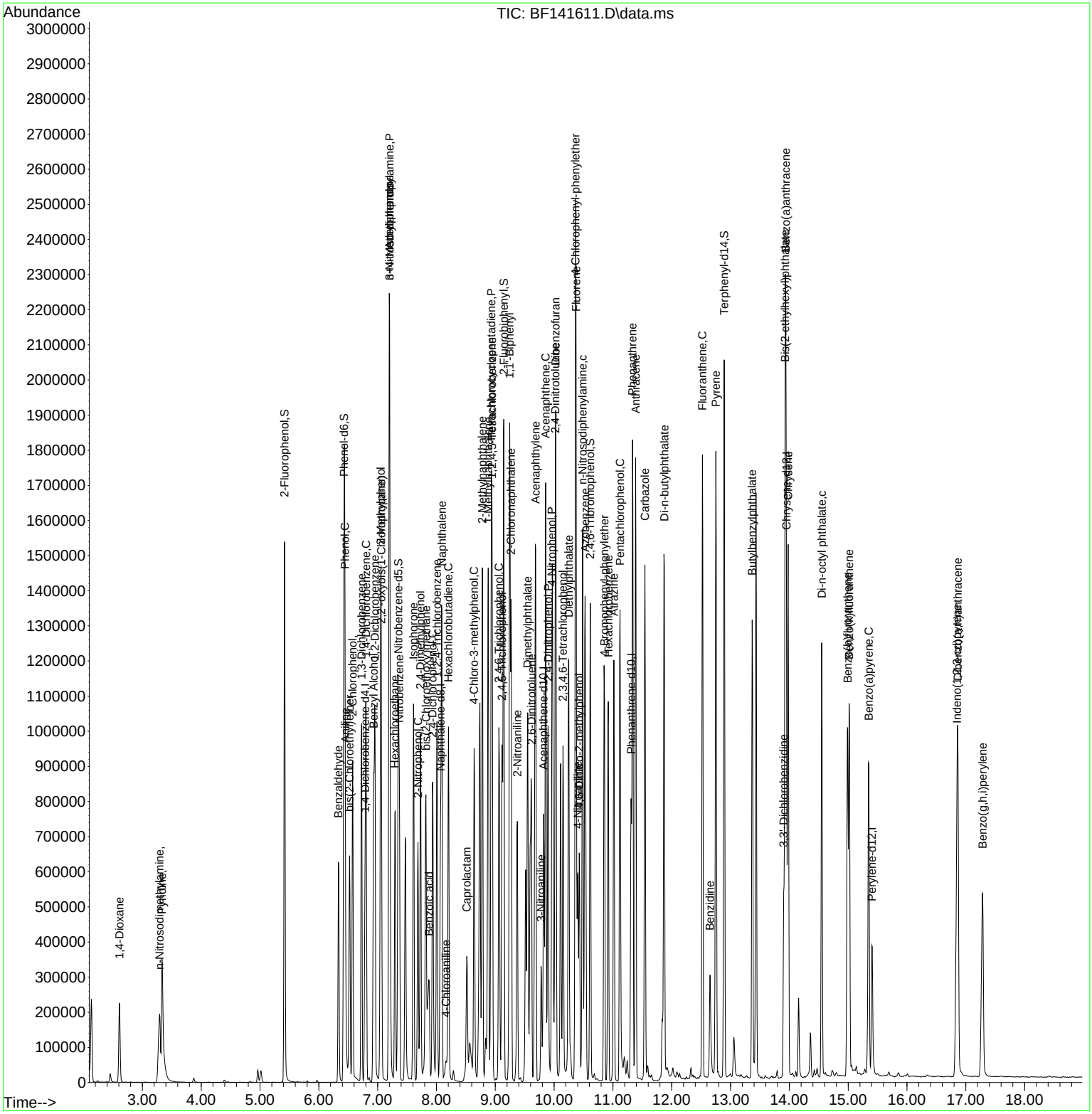
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.116	196	197107	42.749	ng	98
46) 1,1'-Biphenyl	9.245	154	841048	47.680	ng	99
47) 2-Chloronaphthalene	9.269	162	569838	43.686	ng	99
48) 2-Nitroaniline	9.375	65	186984	42.714	ng	95
49) Acenaphthylene	9.686	152	876939	45.200	ng	99
50) Dimethylphthalate	9.551	163	688882	44.599	ng	100
51) 2,6-Dinitrotoluene	9.616	165	150635	44.611	ng	97
52) Acenaphthene	9.857	154	558898	42.849	ng	99
53) 3-Nitroaniline	9.780	138	72899	20.059	ng	99
54) 2,4-Dinitrophenol	9.898	184	188248	93.804	ng	93
55) Dibenzofuran	10.027	168	801056	41.841	ng	100
56) 4-Nitrophenol	9.963	139	232540	86.195	ng	97
57) 2,4-Dinitrotoluene	10.022	165	203455	45.261	ng	97
58) Fluorene	10.374	166	638014	43.100	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.151	232	169281	42.644	ng	98
60) Diethylphthalate	10.251	149	663286	43.646	ng	99
61) 4-Chlorophenyl-phenyle...	10.363	204	313592	44.034	ng	99
62) 4-Nitroaniline	10.404	138	151104	40.947	ng	97
63) Azobenzene	10.527	77	755940	50.036	ng	91
65) 4,6-Dinitro-2-methylph...	10.427	198	125909	45.417	ng	97
66) n-Nitrosodiphenylamine	10.486	169	557950	43.674	ng	100
67) 4-Bromophenyl-phenylether	10.857	248	196500	44.054	ng	99
68) Hexachlorobenzene	10.922	284	203664	44.342	ng	99
69) Atrazine	11.016	200	210639	54.960	ng	99
70) Pentachlorophenol	11.121	266	236157	80.412	ng	99
71) Phenanthrene	11.333	178	1003747	45.691	ng	100
72) Anthracene	11.386	178	973595	44.087	ng	99
73) Carbazole	11.545	167	847562	42.654	ng	100
74) Di-n-butylphthalate	11.874	149	1056080	46.029	ng	100
75) Fluoranthene	12.521	202	1037428	44.543	ng	100
77) Benzidine	12.651	184	183799	30.902	ng	99
78) Pyrene	12.751	202	1045802	45.553	ng	100
80) Butylbenzylphthalate	13.368	149	414396	52.112	ng	99
81) Benzo(a)anthracene	13.939	228	825746	46.061	ng	99
82) 3,3'-Dichlorobenzidine	13.904	252	155035	30.190	ng	98
83) Chrysene	13.980	228	718634	43.414	ng	100
84) Bis(2-ethylhexyl)phtha...	13.927	149	550190	61.346	ng	100
85) Di-n-octyl phthalate	14.551	149	806534	63.038	ng	99
87) Indeno(1,2,3-cd)pyrene	16.851	276	646830	47.624	ng	99
88) Benzo(b)fluoranthene	14.992	252	662104	44.859	ng	100
89) Benzo(k)fluoranthene	15.015	252	568120	45.077	ng	100
90) Benzo(a)pyrene	15.351	252	570979	47.809	ng	100
91) Dibenzo(a,h)anthracene	16.862	278	517134	46.989	ng	99
92) Benzo(g,h,i)perylene	17.286	276	504001	43.762	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021325\
Data File : BF141611.D
Acq On : 13 Feb 2025 13:44
Operator : RC/JU
Sample : Q1343-13MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-13MSD

Quant Time: Feb 13 14:15:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration



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Manual Integration Report

Sequence:	bf020625	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC010	BF141474.D	Acenaphthene	Jagrut	2/7/2025 3:49:22 PM	mohammad	2/7/2025 10:09:12 PM	Peak Integrated by Software
SSTDICC020	BF141475.D	Acenaphthene	Jagrut	2/7/2025 3:49:24 PM	mohammad	2/7/2025 10:09:12 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BF021125	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB166640BS	BF141553.D	Caprolactam	Jagrut	2/11/2025 6:23:33 PM	mohammad	2/12/2025 7:26:53 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	bf021325	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1343-13MS	BF141610.D	Caprolactam	Rahul	2/14/2025 4:46:54 PM	mohammad	2/15/2025 4:46:40 AM	Peak Integrated by Software
Q1343-13MSD	BF141611.D	Caprolactam	Rahul	2/14/2025 4:46:58 PM	mohammad	2/15/2025 4:46:40 AM	Peak Integrated by Software

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF020625

Review By	Jagrut	Review On	2/7/2025 3:49:55 PM				
Supervise By	mohammad	Supervise On	2/7/2025 10:09:12 PM				
SubDirectory	BF020625	HP Acquire Method	BNA_F		HP Processing Method	bf020625	

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12650,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141471.D	06 Feb 2025 10:41	RC/JU	Ok
2	SSTDICC2.5	BF141472.D	06 Feb 2025 11:07	RC/JU	Ok
3	SSTDICC005	BF141473.D	06 Feb 2025 11:34	RC/JU	Ok
4	SSTDICC010	BF141474.D	06 Feb 2025 12:00	RC/JU	Ok,M
5	SSTDICC020	BF141475.D	06 Feb 2025 12:26	RC/JU	Ok,M
6	SSTDICCC040	BF141476.D	06 Feb 2025 12:55	RC/JU	Ok
7	SSTDICC050	BF141477.D	06 Feb 2025 13:21	RC/JU	Ok
8	SSTDICC060	BF141478.D	06 Feb 2025 13:47	RC/JU	Ok
9	SSTDICC080	BF141479.D	06 Feb 2025 14:14	RC/JU	Ok
10	SSTDICV040	BF141480.D	06 Feb 2025 15:03	RC/JU	Ok
11	PB166563BL	BF141481.D	06 Feb 2025 15:43	RC/JU	Ok
12	PB166468BS	BF141482.D	06 Feb 2025 16:09	RC/JU	Ok,M
13	PB166468BSD	BF141483.D	06 Feb 2025 16:36	RC/JU	Ok,M
14	PB166468BL	BF141484.D	06 Feb 2025 17:02	RC/JU	Ok
15	Q1214-01RE	BF141485.D	06 Feb 2025 17:34	RC/JU	Confirms
16	Q1309-01	BF141486.D	06 Feb 2025 18:00	RC/JU	Ok
17	Q1309-05	BF141487.D	06 Feb 2025 18:27	RC/JU	Ok
18	Q1309-09	BF141488.D	06 Feb 2025 18:53	RC/JU	Ok
19	Q1309-13	BF141489.D	06 Feb 2025 19:19	RC/JU	Ok
20	Q1309-13MS	BF141490.D	06 Feb 2025 19:45	RC/JU	Ok,M
21	Q1309-13MSD	BF141491.D	06 Feb 2025 20:11	RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF020625

Review By	Jagrut	Review On	2/7/2025 3:49:55 PM				
Supervise By	mohammad	Supervise On	2/7/2025 10:09:12 PM				
SubDirectory	BF020625	HP Acquire Method	BNA_F		HP Processing Method	bf020625	

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12650,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1309-17	BF141492.D	06 Feb 2025 20:37	RC/JU	Ok
23	Q1309-21	BF141493.D	06 Feb 2025 21:03	RC/JU	Ok
24	Q1216-04	BF141494.D	06 Feb 2025 21:30	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF021125

Review By	yogesh	Review On	2/12/2025 6:52:02 AM		
Supervise By	mohammad	Supervise On	2/12/2025 7:26:53 AM		
SubDirectory	BF021125	HP Acquire Method	BNA_F	HP Processing Method	bf020625

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12651,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141550.D	11 Feb 2025 10:02	RC/JU	Ok
2	SSTDCCC040	BF141551.D	11 Feb 2025 10:28	RC/JU	Ok
3	PB166640BL	BF141552.D	11 Feb 2025 10:55	RC/JU	Ok
4	PB166640BS	BF141553.D	11 Feb 2025 11:21	RC/JU	Ok,M
5	PB166641BL	BF141554.D	11 Feb 2025 11:47	RC/JU	Ok
6	PB166641BS	BF141555.D	11 Feb 2025 12:13	RC/JU	Ok,M
7	PB166641BSD	BF141556.D	11 Feb 2025 12:39	RC/JU	Ok,M
8	PB166591TB	BF141557.D	11 Feb 2025 13:05	RC/JU	Ok
9	PB166610BS	BF141558.D	11 Feb 2025 13:32	RC/JU	Ok,M
10	Q1309-20	BF141559.D	11 Feb 2025 14:04	RC/JU	Ok
11	Q1309-24	BF141560.D	11 Feb 2025 14:30	RC/JU	ReRun
12	Q1309-08	BF141561.D	11 Feb 2025 14:56	RC/JU	Ok
13	Q1309-16	BF141562.D	11 Feb 2025 15:23	RC/JU	Ok
14	Q1309-12	BF141563.D	11 Feb 2025 15:49	RC/JU	Ok
15	Q1343-17	BF141564.D	11 Feb 2025 16:15	RC/JU	Ok
16	Q1340-01	BF141565.D	11 Feb 2025 16:42	RC/JU	Ok
17	Q1343-01	BF141566.D	11 Feb 2025 17:08	RC/JU	Ok,M
18	Q1206-03DL	BF141567.D	11 Feb 2025 17:35	RC/JU	Ok,M
19	Q1285-01DL	BF141568.D	11 Feb 2025 18:01	RC/JU	Ok,M
20	Q1346-01	BF141569.D	11 Feb 2025 18:27	RC/JU	Ok,M
21	Q1346-01MS	BF141570.D	11 Feb 2025 18:53	RC/JU	Ok,M

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF021125

Review By	yogesh	Review On	2/12/2025 6:52:02 AM		
Supervise By	mohammad	Supervise On	2/12/2025 7:26:53 AM		
SubDirectory	BF021125	HP Acquire Method	BNA_F	HP Processing Method	bf020625

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12651,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1346-01MSD	BF141571.D	11 Feb 2025 19:19	RC/JU	Ok,M
23	Q1215-03	BF141572.D	11 Feb 2025 19:45	RC/JU	Ok,M
24	Q1215-03MS	BF141573.D	11 Feb 2025 20:11	RC/JU	Ok,M
25	Q1215-03MSD	BF141574.D	11 Feb 2025 20:38	RC/JU	Ok,M
26	Q1345-01	BF141575.D	11 Feb 2025 21:04	RC/JU	Ok,M

M : Manual Integration

Alliance TECHNICAL GROUP
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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF021325

Review By	yogesh	Review On	2/15/2025 4:25:45 AM				
Supervise By	mohammad	Supervise On	2/15/2025 4:46:40 AM				
SubDirectory	BF021325	HP Acquire Method	BNA_F		HP Processing Method	bf020625	

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12651,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141602.D	13 Feb 2025 09:10	RC/JU	Ok
2	SSTDCCC040	BF141603.D	13 Feb 2025 10:07	RC/JU	Ok
3	PB166698BL	BF141604.D	13 Feb 2025 10:33	RC/JU	Ok
4	PB166698BS	BF141605.D	13 Feb 2025 11:00	RC/JU	Ok,M
5	Q1343-16RE	BF141606.D	13 Feb 2025 11:32	RC/JU	Confirms
6	Q1343-20RE	BF141607.D	13 Feb 2025 11:58	RC/JU	Confirms
7	Q1237-03	BF141608.D	13 Feb 2025 12:24	RC/JU	Ok
8	Q1343-13	BF141609.D	13 Feb 2025 12:51	RC/JU	Ok
9	Q1343-13MS	BF141610.D	13 Feb 2025 13:17	RC/JU	Ok,M
10	Q1343-13MSD	BF141611.D	13 Feb 2025 13:44	RC/JU	Ok,M
11	Q1353-02	BF141612.D	13 Feb 2025 14:10	RC/JU	Ok
12	Q1356-01	BF141613.D	13 Feb 2025 14:37	RC/JU	Ok
13	Q1356-03	BF141614.D	13 Feb 2025 15:03	RC/JU	Ok
14	Q1356-05	BF141615.D	13 Feb 2025 15:30	RC/JU	ReRun
15	Q1356-06	BF141616.D	13 Feb 2025 15:56	RC/JU	Ok
16	Q1356-07	BF141617.D	13 Feb 2025 16:22	RC/JU	Ok
17	Q1356-08	BF141618.D	13 Feb 2025 16:49	RC/JU	ReRun
18	Q1356-09	BF141619.D	13 Feb 2025 17:15	RC/JU	Ok
19	Q1353-01	BF141620.D	13 Feb 2025 17:42	RC/JU	Ok,M
20	Q1353-01MS	BF141621.D	13 Feb 2025 18:08	RC/JU	Ok,M
21	Q1353-01MSD	BF141622.D	13 Feb 2025 18:34	RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF021325

Review By	yogesh	Review On	2/15/2025 4:25:45 AM		
Supervise By	mohammad	Supervise On	2/15/2025 4:46:40 AM		
SubDirectory	BF021325	HP Acquire Method	BNA_F	HP Processing Method	bf020625

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12651,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1331-01	BF141623.D	13 Feb 2025 19:01	RC/JU	Dilution
23	Q1365-03	BF141624.D	13 Feb 2025 19:27	RC/JU	Ok
24	Q1365-05	BF141625.D	13 Feb 2025 19:53	RC/JU	Ok,M
25	Q1354-01	BF141626.D	13 Feb 2025 20:20	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF020625

Review By	Jagrut	Review On	2/7/2025 3:49:55 PM		
Supervise By	mohammad	Supervise On	2/7/2025 10:09:12 PM		
SubDirectory	BF020625	HP Acquire Method	BNA_F	HP Processing Method	bf020625

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12650,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF141471.D	06 Feb 2025 10:41		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF141472.D	06 Feb 2025 11:07		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF141473.D	06 Feb 2025 11:34	Compound #32,41,54 and #65 removed from 5PPM	RC/JU	Ok
4	SSTDICC010	SSTDICC010	BF141474.D	06 Feb 2025 12:00		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BF141475.D	06 Feb 2025 12:26		RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BF141476.D	06 Feb 2025 12:55	The Calibration is Good For 8270 DOD and good for 625.1 Method	RC/JU	Ok
7	SSTDICC050	SSTDICC050	BF141477.D	06 Feb 2025 13:21		RC/JU	Ok
8	SSTDICC060	SSTDICC060	BF141478.D	06 Feb 2025 13:47		RC/JU	Ok
9	SSTDICC080	SSTDICC080	BF141479.D	06 Feb 2025 14:14	Compound #9 removed from 80ppm	RC/JU	Ok
10	SSTDICV040	ICVBF020625	BF141480.D	06 Feb 2025 15:03		RC/JU	Ok
11	PB166563BL	PB166563BL	BF141481.D	06 Feb 2025 15:43		RC/JU	Ok
12	PB166468BS	PB166468BS	BF141482.D	06 Feb 2025 16:09		RC/JU	Ok,M
13	PB166468BSD	PB166468BSD	BF141483.D	06 Feb 2025 16:36		RC/JU	Ok,M
14	PB166468BL	PB166468BL	BF141484.D	06 Feb 2025 17:02		RC/JU	Ok
15	Q1214-01RE	PARAMUS-CONDENS/	BF141485.D	06 Feb 2025 17:34	Surrogate Fail	RC/JU	Confirms
16	Q1309-01	WC-2	BF141486.D	06 Feb 2025 18:00		RC/JU	Ok
17	Q1309-05	WC-3	BF141487.D	06 Feb 2025 18:27		RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF020625

Review By	Jagrut	Review On	2/7/2025 3:49:55 PM		
Supervise By	mohammad	Supervise On	2/7/2025 10:09:12 PM		
SubDirectory	BF020625	HP Acquire Method	BNA_F	HP Processing Method	bf020625

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12650,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q1309-09	WC-4	BF141488.D	06 Feb 2025 18:53		RC/JU	Ok
19	Q1309-13	WC-5	BF141489.D	06 Feb 2025 19:19		RC/JU	Ok
20	Q1309-13MS	WC-5MS	BF141490.D	06 Feb 2025 19:45		RC/JU	Ok,M
21	Q1309-13MSD	WC-5MSD	BF141491.D	06 Feb 2025 20:11		RC/JU	Ok,M
22	Q1309-17	WC-6	BF141492.D	06 Feb 2025 20:37		RC/JU	Ok
23	Q1309-21	WC-8	BF141493.D	06 Feb 2025 21:03		RC/JU	Ok
24	Q1216-04	JPP-18.1-012825	BF141494.D	06 Feb 2025 21:30		RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF021125

Review By	yogesh	Review On	2/12/2025 6:52:02 AM		
Supervise By	mohammad	Supervise On	2/12/2025 7:26:53 AM		
SubDirectory	BF021125	HP Acquire Method	BNA_F	HP Processing Method	bf020625

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12651,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF141550.D	11 Feb 2025 10:02		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF141551.D	11 Feb 2025 10:28		RC/JU	Ok
3	PB166640BL	PB166640BL	BF141552.D	11 Feb 2025 10:55		RC/JU	Ok
4	PB166640BS	PB166640BS	BF141553.D	11 Feb 2025 11:21		RC/JU	Ok,M
5	PB166641BL	PB166641BL	BF141554.D	11 Feb 2025 11:47		RC/JU	Ok
6	PB166641BS	PB166641BS	BF141555.D	11 Feb 2025 12:13		RC/JU	Ok,M
7	PB166641BSD	PB166641BSD	BF141556.D	11 Feb 2025 12:39		RC/JU	Ok,M
8	PB166591TB	PB166591TB	BF141557.D	11 Feb 2025 13:05		RC/JU	Ok
9	PB166610BS	PB166610BS	BF141558.D	11 Feb 2025 13:32		RC/JU	Ok,M
10	Q1309-20	WC-6	BF141559.D	11 Feb 2025 14:04		RC/JU	Ok
11	Q1309-24	WC-8	BF141560.D	11 Feb 2025 14:30	Internal Standard and surrogate fail	RC/JU	ReRun
12	Q1309-08	WC-3	BF141561.D	11 Feb 2025 14:56		RC/JU	Ok
13	Q1309-16	WC-5	BF141562.D	11 Feb 2025 15:23		RC/JU	Ok
14	Q1309-12	WC-4	BF141563.D	11 Feb 2025 15:49		RC/JU	Ok
15	Q1343-17	WC-14	BF141564.D	11 Feb 2025 16:15		RC/JU	Ok
16	Q1340-01	RV-SOIL	BF141565.D	11 Feb 2025 16:42		RC/JU	Ok
17	Q1343-01	WC-9	BF141566.D	11 Feb 2025 17:08		RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF021125

Review By	yogesh	Review On	2/12/2025 6:52:02 AM		
Supervise By	mohammad	Supervise On	2/12/2025 7:26:53 AM		
SubDirectory	BF021125	HP Acquire Method	BNA_F	HP Processing Method	bf020625

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12651,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q1206-03DL	JPP-20.1-012725DL	BF141567.D	11 Feb 2025 17:35		RC/JU	Ok,M
19	Q1285-01DL	72-11977DL	BF141568.D	11 Feb 2025 18:01		RC/JU	Ok,M
20	Q1346-01	SOIL-COMP	BF141569.D	11 Feb 2025 18:27		RC/JU	Ok,M
21	Q1346-01MS	SOIL-COMPMS	BF141570.D	11 Feb 2025 18:53		RC/JU	Ok,M
22	Q1346-01MSD	SOIL-COMPMSD	BF141571.D	11 Feb 2025 19:19		RC/JU	Ok,M
23	Q1215-03	JPP-29.1-012825	BF141572.D	11 Feb 2025 19:45		RC/JU	Ok,M
24	Q1215-03MS	JPP-29.1-012825MS	BF141573.D	11 Feb 2025 20:11		RC/JU	Ok,M
25	Q1215-03MSD	JPP-29.1-012825MSD	BF141574.D	11 Feb 2025 20:38		RC/JU	Ok,M
26	Q1345-01	EO-01-021025	BF141575.D	11 Feb 2025 21:04		RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF021325

Review By	yogesh	Review On	2/15/2025 4:25:45 AM		
Supervise By	mohammad	Supervise On	2/15/2025 4:46:40 AM		
SubDirectory	BF021325	HP Acquire Method	BNA_F	HP Processing Method	bf020625

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12651,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF141602.D	13 Feb 2025 09:10		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF141603.D	13 Feb 2025 10:07		RC/JU	Ok
3	PB166698BL	PB166698BL	BF141604.D	13 Feb 2025 10:33		RC/JU	Ok
4	PB166698BS	PB166698BS	BF141605.D	13 Feb 2025 11:00		RC/JU	Ok,M
5	Q1343-16RE	WC-13RE	BF141606.D	13 Feb 2025 11:32	Internal Standard and Surrogate Fail	RC/JU	Confirms
6	Q1343-20RE	WC-14RE	BF141607.D	13 Feb 2025 11:58	Internal Standard and Surrogate Fail	RC/JU	Confirms
7	Q1237-03	HL2PX3	BF141608.D	13 Feb 2025 12:24		RC/JU	Ok
8	Q1343-13	WC-13	BF141609.D	13 Feb 2025 12:51		RC/JU	Ok
9	Q1343-13MS	WC-13MS	BF141610.D	13 Feb 2025 13:17		RC/JU	Ok,M
10	Q1343-13MSD	WC-13MSD	BF141611.D	13 Feb 2025 13:44		RC/JU	Ok,M
11	Q1353-02	346	BF141612.D	13 Feb 2025 14:10		RC/JU	Ok
12	Q1356-01	CARBON-SOLID	BF141613.D	13 Feb 2025 14:37		RC/JU	Ok
13	Q1356-03	SOIL-PILE	BF141614.D	13 Feb 2025 15:03		RC/JU	Ok
14	Q1356-05	CARBON-FB	BF141615.D	13 Feb 2025 15:30	Surrogate Fail	RC/JU	ReRun
15	Q1356-06	WATER-A	BF141616.D	13 Feb 2025 15:56		RC/JU	Ok
16	Q1356-07	WATER-B	BF141617.D	13 Feb 2025 16:22		RC/JU	Ok
17	Q1356-08	WATER-FB	BF141618.D	13 Feb 2025 16:49	Surrogate Fail	RC/JU	ReRun

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF021325

Review By	yogesh	Review On	2/15/2025 4:25:45 AM		
Supervise By	mohammad	Supervise On	2/15/2025 4:46:40 AM		
SubDirectory	BF021325	HP Acquire Method	BNA_F	HP Processing Method	bf020625

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12651,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q1356-09	SOIL-FB	BF141619.D	13 Feb 2025 17:15		RC/JU	Ok
19	Q1353-01	346	BF141620.D	13 Feb 2025 17:42		RC/JU	Ok,M
20	Q1353-01MS	346MS	BF141621.D	13 Feb 2025 18:08		RC/JU	Ok,M
21	Q1353-01MSD	346MSD	BF141622.D	13 Feb 2025 18:34		RC/JU	Ok,M
22	Q1331-01	MW1R	BF141623.D	13 Feb 2025 19:01	Internal Standard Fail, Need 5X Dilution	RC/JU	Dilution
23	Q1365-03	72-11995	BF141624.D	13 Feb 2025 19:27		RC/JU	Ok
24	Q1365-05	286	BF141625.D	13 Feb 2025 19:53		RC/JU	Ok,M
25	Q1354-01	NB-08-021125	BF141626.D	13 Feb 2025 20:20		RC/JU	Ok

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB166640

SOP ID:	M3541-ASE Extraction-14				
Clean Up SOP #:	N/A			**Extraction Start Date :**	02/10/2025
Matrix :	Solid			**Extraction Start Time :**	09:45
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	02/10/2025
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	14:40
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	EH
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	SP6720
Surrogate	1.0ML	100/150 PPM	SP6638
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	EP2582
Baked Na2SO4	N/A	EP2581
Methylene Chloride	N/A	E3874
Sand	N/A	E2865
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 # 2210673, Q1344-01,03 Added in batch at 11:40.

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

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
02/10/25	RP (Ext. Lab)	AC/SVOC
14:45	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB166640

Analytical Method: M3541-ASE Extraction-14 **Concentration Date:** 02/10/2025

Sample ID	Client Sample ID	Test	g/mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB166640BL	SBLK640	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1			U4-1
PB166640BS	SLCS640	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1			2
Q1237-03	HL2PX3	SVOC-PAH	30.09	N/A	ritesh	Evelyn	1		Gasoline Smell	3
Q1340-01	RV-SOIL	SVOC-TCL BNA -20	50.06	N/A	ritesh	Evelyn	1	F		4
Q1341-01	HAR-ROLLOFFS	SVOC-TCL BNA -20	50.04	N/A	ritesh	Evelyn	1	F		5
Q1343-01	WC-9	SVOC-TCL BNA -20	50.07	N/A	ritesh	Evelyn	1	E		6
Q1343-05	WC-10	SVOC-TCL BNA -20	50.02	N/A	ritesh	Evelyn	1	E		U2-1
Q1343-09	WC-7	SVOC-TCL BNA -20	50.03	N/A	ritesh	Evelyn	1	E		2
Q1343-13	WC-13	SVOC-TCL BNA -20	50.01	N/A	ritesh	Evelyn	1	E		3
Q1343-13MS	WC-13MS	SVOC-TCL BNA -20	50.05	N/A	ritesh	Evelyn	1	E		4
Q1343-13MSD	WC-13MSD	SVOC-TCL BNA -20	50.06	N/A	ritesh	Evelyn	1	E		5
Q1343-17	WC-14	SVOC-TCL BNA -20	50.03	N/A	ritesh	Evelyn	1	E		6
Q1344-01	SOIL-1	SVOC-TCL BNA -20	50.07	N/A	ritesh	Evelyn	1	E		U3-1
Q1344-03	SOIL-2	SVOC-TCL BNA -20	50.04	N/A	ritesh	Evelyn	1	E		2

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

2/10/25

166640
9:41

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1237S **WorkList ID :** 187599 **Department :** Extraction **Date :** 02-10-2025 08:20:14

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1237-03	HL2PX3	Solid	SVOC-PAH	Cool 4 deg C	GENV01	N31	01/30/2025	8270E
Q1340-01	RV-SOIL	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	N41	02/07/2025	8270E
Q1341-01	HAR-ROLLOFFS	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	N41	02/07/2025	8270E
Q1343-01	WC-9	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	N51	02/07/2025	8270E
Q1343-05	WC-10	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	N51	02/07/2025	8270E
Q1343-09	WC-7	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	N51	02/07/2025	8270E
Q1343-13	WC-13	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	N51	02/07/2025	8270E
Q1343-17	WC-14	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	N51	02/07/2025	8270E

Date/Time 02/10/25 9:40
Raw Sample Received by: RT (Set Two)
Raw Sample Relinquished by: CR SM

Date/Time 02/10/25 10:10
Raw Sample Received by: CR SM
Raw Sample Relinquished by: RT (Set Two)

166640
2/7 11:40

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1344 **WorkList ID :** 187618 **Department :** Extraction **Date :** 02-10-2025 11:40:15

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1344-01	SOIL-1	Solid	EPH_NF	Cool 4 deg C	PSEG03	N51	02/08/2025	NJEPH
Q1344-01	SOIL-1	Solid	PCB	Cool 4 deg C	PSEG03	N51	02/08/2025	8082A
Q1344-01	SOIL-1	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	N51	02/08/2025	8081B
Q1344-01	SOIL-1	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	N51	02/08/2025	8270E
Q1344-03	SOIL-2	Solid	EPH_NF	Cool 4 deg C	PSEG03	N51	02/08/2025	NJEPH
Q1344-03	SOIL-2	Solid	PCB	Cool 4 deg C	PSEG03	N51	02/08/2025	8082A
Q1344-03	SOIL-2	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	N51	02/08/2025	8081B
Q1344-03	SOIL-2	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	N51	02/08/2025	8270E

Date/Time 02/07/25 11:40
Raw Sample Received by: RT (Set (wy)
Raw Sample Relinquished by: JD (SM)

Date/Time 02/07/25 12:05
Raw Sample Received by: JD (SM)
Raw Sample Relinquished by: RT (Set (wy

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LAB CHRONICLE

OrderID:	Q1237	**OrderDate:**	1/30/2025 1:04:50 PM
Client:	G Environmental	**Project:**	Nelson
Contact:	Gary Landis	**Location:**	N31

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1237-03	**HL2PX3**	**SOIL**			**01/30/25**			**01/30/25**
			SVOC-PAH	8270E		02/10/25	02/13/25	