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Hit Summary Sheet
SW-846

SDG No.: Q1492
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

Report of Analysis

Client:	G Environmental	Date Collected:	03/05/25
Project:	Nelson	Date Received:	03/05/25
Client Sample ID:	RHL1PXI	SDG No.:	Q1492
Lab Sample ID:	Q1492-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	92.8
Sample Wt/Vol:	30.03 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
BF141874.D	1	03/06/25 09:10	03/06/25 17:59	PB167012

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

91-20-3	Naphthalene	88.9	U	88.9	180	ug/Kg
208-96-8	Acenaphthylene	93.1	U	93.1	180	ug/Kg
83-32-9	Acenaphthene	87.3	U	87.3	180	ug/Kg
86-73-7	Fluorene	92.0	U	92.0	180	ug/Kg
85-01-8	Phenanthrene	90.4	U	90.4	180	ug/Kg
120-12-7	Anthracene	90.9	U	90.9	180	ug/Kg
206-44-0	Fluoranthene	88.0	U	88.0	180	ug/Kg
129-00-0	Pyrene	89.4	U	89.4	180	ug/Kg
56-55-3	Benzo(a)anthracene	86.9	U	86.9	180	ug/Kg
218-01-9	Chrysene	85.6	U	85.6	180	ug/Kg
205-99-2	Benzo(b)fluoranthene	87.3	U	87.3	180	ug/Kg
207-08-9	Benzo(k)fluoranthene	88.9	U	88.9	180	ug/Kg
50-32-8	Benzo(a)pyrene	100	U	100	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	84.1	U	84.1	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	87.4	U	87.4	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	86.2	U	86.2	180	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	117		30 (18) - 130 (112)	78%	SPK: 150
13127-88-3	Phenol-d6	113		30 (15) - 130 (107)	75%	SPK: 150
4165-60-0	Nitrobenzene-d5	99.5		30 (18) - 130 (107)	100%	SPK: 100
321-60-8	2-Fluorobiphenyl	89.0		30 (20) - 130 (109)	89%	SPK: 100
118-79-6	2,4,6-Tribromophenol	145		30 (10) - 130 (116)	97%	SPK: 150
1718-51-0	Terphenyl-d14	75.8		30 (10) - 130 (105)	76%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	152000	6.887
1146-65-2	Naphthalene-d8	583000	8.163
15067-26-2	Acenaphthene-d10	314000	9.916
1517-22-2	Phenanthrene-d10	497000	11.404
1719-03-5	Chrysene-d12	391000	14.045

Report of Analysis

Client:	G Environmental	Date Collected:	03/05/25
Project:	Nelson	Date Received:	03/05/25
Client Sample ID:	RHL1PXI	SDG No.:	Q1492
Lab Sample ID:	Q1492-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	92.8
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	SVOC-PAH
	Decanted :	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
BF141874.D	1	03/06/25 09:10	03/06/25 17:59	PB167012

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1520-96-3	Perylene-d12	319000	15.521			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



QC SUMMARY

Surrogate Summary

SW-846

SDG No.: Q1492

Client: G Environmental

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB167012BL	PB167012BL	Nitrobenzene-d5	100	80.7	81		30 (18)	130 (107)
		2-Fluorobiphenyl	100	76.6	77		30 (20)	130 (109)
		Terphenyl-d14	100	79.9	80		30 (10)	130 (105)
PB167012BS	PB167012BS	Nitrobenzene-d5	100	88.5	88		30 (18)	130 (107)
		2-Fluorobiphenyl	100	85.4	85		30 (20)	130 (109)
		Terphenyl-d14	100	94.4	94		30 (10)	130 (105)
Q1492-01	RHL1PXI	Nitrobenzene-d5	100	99.5	100		30 (18)	130 (107)
		2-Fluorobiphenyl	100	89.0	89		30 (20)	130 (109)
		Terphenyl-d14	100	75.8	76		30 (10)	130 (105)
Q1492-01MS	RHL1PXIMS	Nitrobenzene-d5	100	92.2	92		30 (18)	130 (107)
		2-Fluorobiphenyl	100	83.1	83		30 (20)	130 (109)
		Terphenyl-d14	100	70.2	70		30 (10)	130 (105)
Q1492-01MSD	RHL1PXIMSD	Nitrobenzene-d5	100	88.3	88		30 (18)	130 (107)
		2-Fluorobiphenyl	100	79.5	80		30 (20)	130 (109)
		Terphenyl-d14	100	68.8	69		30 (10)	130 (105)

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1492

Client: G Environmental

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	Q1492-01MS	Client Sample ID:	RHL1PXIMS					DataFile:	BF141875.D		
Naphthalene	1800	0	1600	ug/Kg	89				70 (72)	130 (110)	
Acenaphthylene	1800	0	1700	ug/Kg	94				70 (79)	130 (118)	
Acenaphthene	1800	0	1800	ug/Kg	100				70 (70)	130 (121)	
Fluorene	1800	0	1700	ug/Kg	94				70 (68)	130 (116)	
Phenanthrene	1800	0	1700	ug/Kg	94				70 (52)	130 (128)	
Anthracene	1800	0	1700	ug/Kg	94				70 (62)	130 (124)	
Fluoranthene	1800	0	1600	ug/Kg	89				70 (44)	130 (125)	
Pyrene	1800	0	1400	ug/Kg	78				70 (26)	130 (142)	
Benzo(a)anthracene	1800	0	1700	ug/Kg	94				70 (71)	130 (114)	
Chrysene	1800	0	1600	ug/Kg	89				70 (57)	130 (121)	
Benzo(b)fluoranthene	1800	0	1700	ug/Kg	94				70 (67)	130 (121)	
Benzo(k)fluoranthene	1800	0	1800	ug/Kg	100				70 (57)	130 (134)	
Benzo(a)pyrene	1800	0	1800	ug/Kg	100				70 (70)	130 (142)	
Indeno(1,2,3-cd)pyrene	1800	0	1700	ug/Kg	94				70 (40)	130 (129)	
Dibenz(a,h)anthracene	1800	0	1700	ug/Kg	94				70 (43)	130 (123)	
Benzo(g,h,i)perylene	1800	0	1500	ug/Kg	83				70 (24)	130 (125)	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1492

Client: G Environmental

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	Q1492-01MSD	Client Sample ID:	RHL1PXIMSD					DataFile:	BF141876.D		
Naphthalene	1800	0	1600	ug/Kg	89		0		70 (72)	130 (110)	30 (20)
Acenaphthylene	1800	0	1600	ug/Kg	89		5		70 (79)	130 (118)	30 (20)
Acenaphthene	1800	0	1700	ug/Kg	94		6		70 (70)	130 (121)	30 (20)
Fluorene	1800	0	1600	ug/Kg	89		5		70 (68)	130 (116)	30 (20)
Phenanthrene	1800	0	1600	ug/Kg	89		5		70 (52)	130 (128)	30 (20)
Anthracene	1800	0	1600	ug/Kg	89		5		70 (62)	130 (124)	30 (20)
Fluoranthene	1800	0	1600	ug/Kg	89		0		70 (44)	130 (125)	30 (20)
Pyrene	1800	0	1300	ug/Kg	72		8		70 (26)	130 (142)	30 (20)
Benzo(a)anthracene	1800	0	1600	ug/Kg	89		5		70 (71)	130 (114)	30 (20)
Chrysene	1800	0	1600	ug/Kg	89		0		70 (57)	130 (121)	30 (20)
Benzo(b)fluoranthene	1800	0	1600	ug/Kg	89		5		70 (67)	130 (121)	30 (20)
Benzo(k)fluoranthene	1800	0	1700	ug/Kg	94		6		70 (57)	130 (134)	30 (20)
Benzo(a)pyrene	1800	0	1700	ug/Kg	94		6		70 (70)	130 (142)	30 (20)
Indeno(1,2,3-cd)pyrene	1800	0	1500	ug/Kg	83		12		70 (40)	130 (129)	30 (20)
Dibenz(a,h)anthracene	1800	0	1600	ug/Kg	89		5		70 (43)	130 (123)	30 (20)
Benzo(g,h,i)perylene	1800	0	1400	ug/Kg	78		6		70 (24)	130 (125)	30 (20)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1492

Client: G Environmental

Analytical Method: 8270E

DataFile: BF141912.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB167012BS	Naphthalene	1700	1300	ug/Kg	76				70 (62)	130 (100)		
	Acenaphthylene	1700	1400	ug/Kg	82				70 (63)	130 (101)		
	Acenaphthene	1700	1500	ug/Kg	88				70 (57)	130 (104)		
	Fluorene	1700	1400	ug/Kg	82				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	1400	ug/Kg	82				70 (59)	130 (103)		
	Benzo(a)anthracene	1700	1500	ug/Kg	88				70 (60)	130 (102)		
	Chrysene	1700	1400	ug/Kg	82				70 (59)	130 (101)		
	Benzo(b)fluoranthene	1700	1300	ug/Kg	76				70 (62)	130 (109)		
	Benzo(k)fluoranthene	1700	1500	ug/Kg	88				70 (62)	130 (109)		
	Benzo(a)pyrene	1700	1500	ug/Kg	88				70 (63)	130 (103)		
	Indeno(1,2,3-cd)pyrene	1700	1500	ug/Kg	88				70 (63)	130 (101)		
	Dibenz(a,h)anthracene	1700	1500	ug/Kg	88				70 (61)	130 (112)		
	Benzo(g,h,i)perylene	1700	1300	ug/Kg	76				70 (70)	130 (108)		

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167012BL

Lab Name: CHEMTECH

Contract: GENV01

Lab Code: CHEM Case No.: Q1492

SAS No.: Q1492 SDG NO.: Q1492

Lab File ID: BF141907.D

Lab Sample ID: PB167012BL

Instrument ID: BNA_F

Date Extracted: 03/06/2025

Matrix: (soil/water) SOIL

Date Analyzed: 03/10/2025

Level: (low/med) LOW

Time Analyzed: 17:09

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB167012BS	PB167012BS	BF141912.D	03/11/2025
RHL1PXI	Q1492-01	BF141874.D	03/06/2025
RHL1PXIMS	Q1492-01MS	BF141875.D	03/06/2025
RHL1PXIMSD	Q1492-01MSD	BF141876.D	03/06/2025

COMMENTS: _____

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: GENV01

Lab Code: CHEM

SAS No.: Q1492

SDG NO.: Q1492

Lab File ID: BF141792.D

DFTPP Injection Date: 02/27/2025

Instrument ID: BNA_F

DFTPP Injection Time: 14:47

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	34.9
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	34.9
70	Less than 2.0% of mass 69	0.2 (0.4) 1
127	10.0 - 80.0% of mass 198	46.5
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	27.6
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	14.6
442	Greater than 50% of mass 198	93.2
443	15.0 - 24.0% of mass 442	18.1 (19.4) 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	BF141793.D	02/27/2025	15:17
SSTDICC005	SSTDICC005	BF141794.D	02/27/2025	15:46
SSTDICC010	SSTDICC010	BF141795.D	02/27/2025	16:16
SSTDICC020	SSTDICC020	BF141796.D	02/27/2025	16:46
SSTDICCC040	SSTDICCC040	BF141797.D	02/27/2025	17:16
SSTDICC050	SSTDICC050	BF141798.D	02/27/2025	17:46
SSTDICC060	SSTDICC060	BF141799.D	02/27/2025	18:15
SSTDICC080	SSTDICC080	BF141800.D	02/27/2025	18:45

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: GENV01

Lab Code: CHEM

SAS No.: Q1492 SDG NO.: Q1492

Lab File ID: BF141857.D

DFTPP Injection Date: 03/06/2025

Instrument ID: BNA_F

DFTPP Injection Time: 08:34

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	33.8
68	Less than 2.0% of mass 69	0.7 (2) 1
69	Mass 69 relative abundance	34.8
70	Less than 2.0% of mass 69	0.2 (0.7) 1
127	10.0 - 80.0% of mass 198	46.7
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	6.9
275	10.0 - 60.0% of mass 198	28.6
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	15.3
442	Greater than 50% of mass 198	94.6
443	15.0 - 24.0% of mass 442	18.6 (19.7) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF141858.D	03/06/2025	09:52
RHL1PXI	Q1492-01	BF141874.D	03/06/2025	17:59
RHL1PXIMS	Q1492-01MS	BF141875.D	03/06/2025	18:29
RHL1PXIMSD	Q1492-01MSD	BF141876.D	03/06/2025	18:58

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: GENV01

Lab Code: CHEM

SAS No.: Q1492 SDG NO.: Q1492

Lab File ID: BF141896.D

DFTPP Injection Date: 03/10/2025

Instrument ID: BNA_F

DFTPP Injection Time: 10:31

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	22.7
68	Less than 2.0% of mass 69	0.5 (1.9) 1
69	Mass 69 relative abundance	25
70	Less than 2.0% of mass 69	0.2 (0.7) 1
127	10.0 - 80.0% of mass 198	35
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	5.3
275	10.0 - 60.0% of mass 198	24.4
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	15.5
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.2 (19.2) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF141897.D	03/10/2025	11:01
SSTDICC005	SSTDICC005	BF141898.D	03/10/2025	11:30
SSTDICC010	SSTDICC010	BF141899.D	03/10/2025	12:00
SSTDICC020	SSTDICC020	BF141900.D	03/10/2025	12:29
SSTDICCC040	SSTDICCC040	BF141901.D	03/10/2025	12:58
SSTDICC060	SSTDICC060	BF141903.D	03/10/2025	13:57
SSTDICC080	SSTDICC080	BF141904.D	03/10/2025	14:27
SSTDICC050	SSTDICC050	BF141905.D	03/10/2025	15:20
PB167012BL	PB167012BL	BF141907.D	03/10/2025	17:09

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: GENV01

Lab Code: CHEM

SAS No.: Q1492

SDG NO.: Q1492

Lab File ID: BF141909.D

DFTPP Injection Date: 03/11/2025

Instrument ID: BNA_F

DFTPP Injection Time: 10:52

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	21.5
68	Less than 2.0% of mass 69	0.5 (2) 1
69	Mass 69 relative abundance	23.4
70	Less than 2.0% of mass 69	0.2 (0.7) 1
127	10.0 - 80.0% of mass 198	33.9
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.1
275	10.0 - 60.0% of mass 198	23.9
365	Greater than 1% of mass 198	3.2
441	Present, but less than mass 443	15.7
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.7 (19.7) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF141910.D	03/11/2025	11:51
PB167012BS	PB167012BS	BF141912.D	03/11/2025	12:51

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1492 SAS No.: Q1492 SDG NO.: Q1492

EPA Sample No.: SSTDCCC040 Date Analyzed: 03/06/2025

Lab File ID: BF141858.D Time Analyzed: 09:52

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	207866	6.887	779725	8.17	422269	9.92
UPPER LIMIT	415732	7.387	1559450	8.669	844538	10.422
LOWER LIMIT	103933	6.387	389863	7.669	211135	9.422
EPA SAMPLE NO.						
01 RHL1PXI	152116	6.89	583372	8.16	313503	9.92
02 RHL1PXIMS	160920	6.89	614399	8.17	327791	9.92
03 RHL1PXIMSD	165879	6.89	641339	8.17	343104	9.92

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1492 SAS No.: Q1492 SDG NO.: Q1492

EPA Sample No.: SSTDCCC040 Date Analyzed: 03/06/2025

Lab File ID: BF141858.D Time Analyzed: 09:52

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	691934	11.404	434521	14.045	382575	15.515
UPPER LIMIT	1383870	11.904	869042	14.545	765150	16.015
LOWER LIMIT	345967	10.904	217261	13.545	191288	15.015
EPA SAMPLE NO.						
01 RHL1PXI	496736	11.40	391345	14.05	319431	15.52
02 RHL1PXIMS	514725	11.40	396501	14.05	380301	15.52
03 RHL1PXIMSD	535087	11.40	408916	14.05	392870	15.52

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1492 SAS No.: Q1492 SDG NO.: Q1492

EPA Sample No.: SSTDICCC040 Date Analyzed: 03/10/2025

Lab File ID: BF141901.D Time Analyzed: 12:58

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	222904	6.881	874166	8.16	493744	9.92
UPPER LIMIT	445808	7.381	1748330	8.663	987488	10.416
LOWER LIMIT	111452	6.381	437083	7.663	246872	9.416
EPA SAMPLE NO.						
01 PB167012BL	215606	6.88	850637	8.16	501095	9.91

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1492 SAS No.: Q1492 SDG NO.: Q1492

EPA Sample No.: SSTDICCC040 Date Analyzed: 03/10/2025

Lab File ID: BF141901.D Time Analyzed: 12:58

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	839154	11.404	569865	14.039	469286	15.509
UPPER LIMIT	1678310	11.904	1139730	14.539	938572	16.009
LOWER LIMIT	419577	10.904	284933	13.539	234643	15.009
EPA SAMPLE NO.						
01 PB167012BL	952421	11.40	661459	14.03	462716	15.50

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1492 SAS No.: Q1492 SDG NO.: Q1492

EPA Sample No.: SSTDCCC040 Date Analyzed: 03/11/2025

Lab File ID: BF141910.D Time Analyzed: 11:51

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	212930	6.881	840081	8.16	479107	9.92
UPPER LIMIT	425860	7.381	1680160	8.663	958214	10.416
LOWER LIMIT	106465	6.381	420041	7.663	239554	9.416
EPA SAMPLE NO.						
01 PB167012BS	184657	6.88	747989	8.16	446834	9.92

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1492 SAS No.: Q1492 SDG NO.: Q1492

EPA Sample No.: SSTDCCC040 Date Analyzed: 03/11/2025

Lab File ID: BF141910.D Time Analyzed: 11:51

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	819898	11.404	519479	14.039	442953	15.509
UPPER LIMIT	1639800	11.904	1038960	14.539	885906	16.009
LOWER LIMIT	409949	10.904	259740	13.539	221477	15.009
EPA SAMPLE NO.						
01 PB167012BS	767875	11.40	492551	14.04	412337	15.51

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.



QC SAMPLE DATA

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Nelson	Date Received:	
Client Sample ID:	PB167012BL	SDG No.:	Q1492
Lab Sample ID:	PB167012BL	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
BF141907.D	1	03/06/25 09:10	03/10/25 17:09	PB167012

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						
367-12-4	2-Fluorophenol	113		30 (18) - 130 (112)	75%	SPK: 150
13127-88-3	Phenol-d6	109		30 (15) - 130 (107)	73%	SPK: 150
4165-60-0	Nitrobenzene-d5	80.7		30 (18) - 130 (107)	81%	SPK: 100
321-60-8	2-Fluorobiphenyl	76.6		30 (20) - 130 (109)	77%	SPK: 100
118-79-6	2,4,6-Tribromophenol	123		30 (10) - 130 (116)	82%	SPK: 150
1718-51-0	Terphenyl-d14	79.9		30 (10) - 130 (105)	80%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	216000	6.881			
1146-65-2	Naphthalene-d8	851000	8.157			
15067-26-2	Acenaphthene-d10	501000	9.91			
1517-22-2	Phenanthrene-d10	952000	11.398			
1719-03-5	Chrysene-d12	661000	14.033			

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Nelson		Date Received:	
Client Sample ID:	PB167012BL		SDG No.:	Q1492
Lab Sample ID:	PB167012BL		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
BF141907.D	1	03/06/25 09:10	03/10/25 17:09	PB167012

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1520-96-3	Perylene-d12	463000	15.504			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Nelson		Date Received:	
Client Sample ID:	PB167012BS		SDG No.:	Q1492
Lab Sample ID:	PB167012BS		Matrix:	SOIL
Analytical Method:	SW8270		% Solid:	100
Sample Wt/Vol:	30.03	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
BF141912.D	1	03/06/25 09:10	03/11/25 12:51	PB167012

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	1500		81.0	170	ug/Kg
86-73-7	Fluorene	1400		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	1400		82.9	170	ug/Kg
56-55-3	Benzo(a)anthracene	1500		80.6	170	ug/Kg
218-01-9	Chrysene	1400		79.4	170	ug/Kg
205-99-2	Benzo(b)fluoranthene	1300		81.0	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1500		82.5	170	ug/Kg
50-32-8	Benzo(a)pyrene	1500		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	1300		80.0	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	127		30 (18) - 130 (112)	85%	SPK: 150
13127-88-3	Phenol-d6	126		30 (15) - 130 (107)	84%	SPK: 150
4165-60-0	Nitrobenzene-d5	88.5		30 (18) - 130 (107)	88%	SPK: 100
321-60-8	2-Fluorobiphenyl	85.4		30 (20) - 130 (109)	85%	SPK: 100
118-79-6	2,4,6-Tribromophenol	139		30 (10) - 130 (116)	93%	SPK: 150
1718-51-0	Terphenyl-d14	94.4		30 (10) - 130 (105)	94%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	185000	6.881			
1146-65-2	Naphthalene-d8	748000	8.163			
15067-26-2	Acenaphthene-d10	447000	9.916			
1517-22-2	Phenanthrene-d10	768000	11.404			
1719-03-5	Chrysene-d12	493000	14.039			

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Nelson	Date Received:	
Client Sample ID:	PB167012BS	SDG No.:	Q1492
Lab Sample ID:	PB167012BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.03 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
BF141912.D	1	03/06/25 09:10	03/11/25 12:51	PB167012

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1520-96-3	Perylene-d12	412000	15.509			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	G Environmental	Date Collected:	03/05/25
Project:	Nelson	Date Received:	03/05/25
Client Sample ID:	RHL1PXIMS	SDG No.:	Q1492
Lab Sample ID:	Q1492-01MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	92.8
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		Level :	LOW
		GPC Factor :	1.0
		GPC Cleanup :	N
		PH :	
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141875.D	1	03/06/25 09:10	03/06/25 18:29	PB167012

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	1600		88.8	180	ug/Kg
208-96-8	Acenaphthylene	1700		93.0	180	ug/Kg
83-32-9	Acenaphthene	1800		87.2	180	ug/Kg
86-73-7	Fluorene	1700		91.9	180	ug/Kg
85-01-8	Phenanthrene	1700		90.3	180	ug/Kg
120-12-7	Anthracene	1700		90.7	180	ug/Kg
206-44-0	Fluoranthene	1600		87.8	180	ug/Kg
129-00-0	Pyrene	1400		89.2	180	ug/Kg
56-55-3	Benzo(a)anthracene	1700		86.7	180	ug/Kg
218-01-9	Chrysene	1600		85.4	180	ug/Kg
205-99-2	Benzo(b)fluoranthene	1700		87.2	180	ug/Kg
207-08-9	Benzo(k)fluoranthene	1800		88.8	180	ug/Kg
50-32-8	Benzo(a)pyrene	1800		99.9	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1700		83.9	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1700		87.3	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1500		86.1	180	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	106		30 (18) - 130 (112)	71%	SPK: 150
13127-88-3	Phenol-d6	104		30 (15) - 130 (107)	69%	SPK: 150
4165-60-0	Nitrobenzene-d5	92.2		30 (18) - 130 (107)	92%	SPK: 100
321-60-8	2-Fluorobiphenyl	83.1		30 (20) - 130 (109)	83%	SPK: 100
118-79-6	2,4,6-Tribromophenol	133		30 (10) - 130 (116)	89%	SPK: 150
1718-51-0	Terphenyl-d14	70.2		30 (10) - 130 (105)	70%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	161000	6.887			
1146-65-2	Naphthalene-d8	614000	8.169			
15067-26-2	Acenaphthene-d10	328000	9.922			
1517-22-2	Phenanthrene-d10	515000	11.404			
1719-03-5	Chrysene-d12	397000	14.045			

Report of Analysis

Client:	G Environmental		Date Collected:	03/05/25	
Project:	Nelson		Date Received:	03/05/25	
Client Sample ID:	RHL1PXIMS		SDG No.:	Q1492	
Lab Sample ID:	Q1492-01MS		Matrix:	SOIL	
Analytical Method:	SW8270		% Solid:	92.8	
Sample Wt/Vol:	30.08	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
BF141875.D	1	03/06/25 09:10	03/06/25 18:29	PB167012

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1520-96-3	Perylene-d12	380000	15.521			

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

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J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	G Environmental	Date Collected:	03/05/25
Project:	Nelson	Date Received:	03/05/25
Client Sample ID:	RHL1PXIMSD	SDG No.:	Q1492
Lab Sample ID:	Q1492-01MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	92.8
Sample Wt/Vol:	30.05 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
BF141876.D	1	03/06/25 09:10	03/06/25 18:58	PB167012

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	1600		88.9	180	ug/Kg
208-96-8	Acenaphthylene	1600		93.1	180	ug/Kg
83-32-9	Acenaphthene	1700		87.2	180	ug/Kg
86-73-7	Fluorene	1600		92.0	180	ug/Kg
85-01-8	Phenanthrene	1600		90.4	180	ug/Kg
120-12-7	Anthracene	1600		90.8	180	ug/Kg
206-44-0	Fluoranthene	1600		87.9	180	ug/Kg
129-00-0	Pyrene	1300		89.3	180	ug/Kg
56-55-3	Benzo(a)anthracene	1600		86.8	180	ug/Kg
218-01-9	Chrysene	1600		85.5	180	ug/Kg
205-99-2	Benzo(b)fluoranthene	1600		87.2	180	ug/Kg
207-08-9	Benzo(k)fluoranthene	1700		88.9	180	ug/Kg
50-32-8	Benzo(a)pyrene	1700		100	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1500		84.0	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1600		87.4	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1400		86.2	180	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	101		30 (18) - 130 (112)	68%	SPK: 150
13127-88-3	Phenol-d6	99.8		30 (15) - 130 (107)	67%	SPK: 150
4165-60-0	Nitrobenzene-d5	88.3		30 (18) - 130 (107)	88%	SPK: 100
321-60-8	2-Fluorobiphenyl	79.5		30 (20) - 130 (109)	80%	SPK: 100
118-79-6	2,4,6-Tribromophenol	128		30 (10) - 130 (116)	85%	SPK: 150
1718-51-0	Terphenyl-d14	68.8		30 (10) - 130 (105)	69%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	166000	6.887			
1146-65-2	Naphthalene-d8	641000	8.169			
15067-26-2	Acenaphthene-d10	343000	9.922			
1517-22-2	Phenanthrene-d10	535000	11.404			
1719-03-5	Chrysene-d12	409000	14.045			

Report of Analysis

Client:	G Environmental	Date Collected:	03/05/25
Project:	Nelson	Date Received:	03/05/25
Client Sample ID:	RHL1PXIMSD	SDG No.:	Q1492
Lab Sample ID:	Q1492-01MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	92.8
Sample Wt/Vol:	30.05 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
BF141876.D	1	03/06/25 09:10	03/06/25 18:58	PB167012

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1520-96-3	Perylene-d12	393000	15.521			

U = Not Detected

LOQ = Limit of Quantitation

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M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



CALIBRATION SUMMARY

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF022725.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Fri Feb 28 01:48:16 2025
 Response Via : Initial Calibration

Calibration Files

2.5 =BF141793.D 5 =BF141794.D 10 =BF141795.D 20 =BF141796.D 40 =BF141797.D 50 =BF141798.D 60 =BF141799.D 80 =BF141800.D

	Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.613	0.554	0.576	0.596	0.545	0.554	0.541	0.568	4.81	
3)	Pyridine	1.403	1.412	1.486	1.476	1.380	1.389	1.350	1.414	3.54	
4)	n-Nitrosodimet...	0.634	0.666	0.689	0.730	0.674	0.686	0.683	0.680	4.21	
5) S	2-Fluorophenol	1.348	1.315	1.326	1.286	1.185	1.176	1.131	1.252	6.91	
6)	Aniline	1.746	1.727	1.805	1.809	1.642	1.625	1.509	1.695	6.42	
7) S	Phenol-d6	1.750	1.707	1.728	1.684	1.541	1.523	1.477	1.630	6.90	
8)	2-Chlorophenol	1.442	1.406	1.439	1.412	1.299	1.266	1.220	1.355	6.72	
9)	Benzaldehyde	1.151	1.088	1.024	0.982	0.874	0.824	0.694	0.948	16.84	
10) C	Phenol	1.854	1.823	1.866	1.819	1.641	1.625	1.564	1.742	7.26	
11)	bis(2-Chloroet...	1.377	1.376	1.392	1.339	1.279	1.265	1.265	1.328	4.26	
12)	1,3-Dichlorobe...	1.544	1.520	1.541	1.504	1.378	1.361	1.308	1.451	6.80	
13) C	1,4-Dichlorobe...	1.554	1.533	1.549	1.512	1.390	1.377	1.317	1.462	6.66	
14)	1,2-Dichlorobe...	1.493	1.444	1.476	1.401	1.286	1.270	1.186	1.365	8.63	
15)	Benzyl Alcohol	1.347	1.353	1.374	1.366	1.258	1.241	1.180	1.303	5.82	
16)	2,2'-oxybis(1-...	2.139	2.094	2.149	2.079	1.930	1.910	1.814	2.016	6.47	
17)	2-Methylphenol	1.155	1.132	1.165	1.164	1.079	1.084	1.049	1.118	4.22	
18)	Hexachloroethane	0.559	0.542	0.575	0.578	0.533	0.530	0.513	0.547	4.39	
19) P	n-Nitroso-di-n...	1.133	1.136	1.105	1.120	1.087	1.009	1.007	0.975	1.072	6.01
20)	3+4-Methylphenols	1.507	1.510	1.506	1.442	1.304	1.281	1.198	1.392	9.29	
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.539	0.517	0.512	0.497	0.456	0.455	0.434	0.487	8.04	
23) S	Nitrobenzene-d5	0.248	0.271	0.318	0.341	0.332	0.340	0.339	0.313	12.10	
24)	Nitrobenzene	0.273	0.303	0.346	0.363	0.349	0.357	0.354	0.335	10.07	
25)	Isophorone	0.702	0.682	0.690	0.682	0.642	0.659	0.649	0.672	3.35	
26) C	2-Nitrophenol	0.079	0.090	0.116	0.144	0.145	0.155	0.158	0.127	25.21	
27)	2,4-Dimethylph...	0.258	0.250	0.256	0.254	0.238	0.238	0.236	0.247	3.87	
28)	bis(2-Chloroet...	0.463	0.448	0.450	0.435	0.404	0.408	0.394	0.429	6.19	
29) C	2,4-Dichloroph...	0.280	0.288	0.296	0.298	0.277	0.281	0.275	0.285	3.20	
30)	1,2,4-Trichlor...	0.328	0.321	0.327	0.319	0.298	0.301	0.292	0.312	4.71	
31)	Naphthalene	1.140	1.097	1.100	1.043	0.960	0.950	0.906	1.028	8.74	
32)	Benzoic acid		0.099	0.145	0.191	0.200	0.215	0.226	0.179	26.89	
33)	4-Chloroaniline	0.402	0.392	0.398	0.379	0.350	0.356	0.360	0.377	5.66	
34) C	Hexachlorobuta...	0.199	0.193	0.202	0.199	0.188	0.191	0.187	0.194	2.98	
35)	Caprolactam	0.087	0.086	0.090	0.091	0.085	0.089	0.086	0.088	2.77	
36) C	4-Chloro-3-met...	0.333	0.316	0.329	0.326	0.300	0.310	0.303	0.317	4.16	
37)	2-Methylnaphth...	0.762	0.725	0.723	0.677	0.621	0.619	0.591	0.674	9.66	
38)	1-Methylnaphth...	0.734	0.688	0.697	0.652	0.594	0.594	0.570	0.647	9.67	

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF022725.M

39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.609	0.600	0.602	0.589	0.549	0.553	0.540	0.578	5.03	
41) P	Hexachlorocycl...	0.217	0.230	0.252	0.258	0.246	0.247	0.236	0.241	5.87	
42) S	2,4,6-Tribromo...	0.175	0.179	0.188	0.199	0.183	0.196	0.194	0.188	4.80	
43) C	2,4,6-Trichlor...	0.355	0.368	0.381	0.398	0.366	0.368	0.377	0.373	3.65	
44)	2,4,5-Trichlor...	0.348	0.364	0.388	0.383	0.364	0.380	0.360	0.369	3.89	
45) S	2-Fluorobiphenyl	1.443	1.387	1.346	1.237	1.128	1.141	1.049	1.247	11.93	
46)	1,1'-Biphenyl	1.694	1.659	1.630	1.519	1.413	1.419	1.323	1.522	9.38	
47)	2-Chloronaphth...	1.211	1.184	1.201	1.135	1.058	1.071	1.006	1.124	7.10	
48)	2-Nitroaniline	0.152	0.187	0.246	0.300	0.297	0.319	0.323	0.260	26.00	
49)	Acenaphthylene	1.847	1.809	1.798	1.711	1.560	1.596	1.472	1.685	8.54	
50)	Dimethylphthalate	1.431	1.405	1.405	1.363	1.262	1.285	1.224	1.339	6.09	
51)	2,6-Dinitrotol...	0.136	0.184	0.231	0.257	0.251	0.265	0.261	0.226	21.50	
52) C	Acenaphthene	1.217	1.201	1.197	1.150	1.068	1.084	1.039	1.137	6.37	
53)	3-Nitroaniline	0.146	0.193	0.243	0.277	0.264	0.282	0.280	0.241	21.68	
54) P	2,4-Dinitrophenol		0.049	0.066	0.093	0.096	0.112	0.116	0.089	29.73	
55)	Dibenzofuran	1.850	1.794	1.765	1.663	1.532	1.542	1.436	1.654	9.40	
56) P	4-Nitrophenol	0.129	0.159	0.197	0.228	0.215	0.229	0.227	0.198	19.87	
57)	2,4-Dinitrotol...	0.151	0.198	0.265	0.313	0.310	0.325	0.320	0.269	25.57	
58)	Fluorene	1.433	1.367	1.313	1.228	1.128	1.134	1.072	1.239	10.97	
59)	2,3,4,6-Tetrac...	0.313	0.314	0.336	0.339	0.309	0.322	0.315	0.321	3.66	
60)	Diethylphthalate	1.429	1.413	1.428	1.383	1.259	1.275	1.212	1.343	6.78	
61)	4-Chlorophenyl...	0.691	0.665	0.654	0.620	0.572	0.583	0.562	0.621	8.09	
62)	4-Nitroaniline	0.149	0.187	0.229	0.267	0.248	0.265	0.256	0.229	19.54	
63)	Azobenzene	1.544	1.503	1.505	1.437	1.320	1.325	1.262	1.414	7.81	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...		0.043	0.063	0.087	0.090	0.100	0.103	0.081	28.86	
66) c	n-Nitrosodiphe...	0.702	0.681	0.689	0.665	0.631	0.623	0.607	0.657	5.56	
67)	4-Bromophenyl-...	0.241	0.237	0.239	0.238	0.227	0.230	0.224	0.234	2.86	
68)	Hexachlorobenzene	0.253	0.249	0.255	0.251	0.240	0.242	0.237	0.247	2.79	
69)	Atrazine	0.213	0.208	0.196	0.179	0.149	0.139		0.181	17.11	
70) C	Pentachlorophenol	0.137	0.146	0.161	0.169	0.159	0.164	0.160	0.156	7.07	
71)	Phenanthrene	1.186	1.152	1.134	1.073	1.001	1.001	0.940	1.070	8.58	
72)	Anthracene	1.203	1.156	1.155	1.068	1.002	0.990	0.931	1.072	9.54	
73)	Carbazole	1.074	1.010	1.014	0.955	0.882	0.871	0.821	0.947	9.69	
74)	Di-n-butylphth...	1.335	1.291	1.291	1.208	1.128	1.114	1.035	1.200	9.30	
75) C	Fluoranthene	1.285	1.216	1.192	1.089	0.992	0.981	0.917	1.096	12.66	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine		0.342	0.198	0.259	0.214	0.181	0.316	0.252	26.09	
78)	Pyrene	1.698	1.687	1.815	1.796	1.738	1.734	1.656	1.732	3.32	
79) S	Terphenyl-d14	1.250	1.233	1.297	1.259	1.230	1.227	1.157	1.236	3.43	
80)	Butylbenzylpht...	0.546	0.579	0.643	0.668	0.650	0.667	0.652	0.629	7.54	
81)	Benzo(a)anthra...	1.367	1.387	1.384	1.312	1.244	1.262	1.292	1.321	4.46	
82)	3,3'-Dichlorob...	0.406	0.380	0.382	0.393	0.364	0.364	0.365	0.379	4.27	
83)	Chrysene	1.303	1.184	1.235	1.265	1.185	1.209	1.144	1.218	4.42	
84)	Bis(2-ethylhex...	0.702	0.696	0.788	0.832	0.811	0.828	0.827	0.783	7.59	
85) c	Di-n-octyl pht...	0.903	0.922	1.109	1.307	1.304	1.318	1.348	1.173	16.59	

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
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86) I	Perylene-d12	-----ISTD-----									
87)	Indeno(1,2,3-c...	1.097	1.126	1.240	1.346	1.337	1.371	1.397	1.274	9.52	
88)	Benzo(b)fluora...	1.442	1.396	1.533	1.306	1.232	1.370	1.256	1.362	7.81	
89)	Benzo(k)fluora...	1.274	1.240	1.098	1.214	1.165	1.040	1.074	1.158	7.70	
90) C	Benzo(a)pyrene	1.113	1.083	1.133	1.119	1.060	1.080	1.060	1.093	2.68	
91)	Dibenzo(a,h)an...	0.902	0.931	1.025	1.109	1.094	1.101	1.115	1.040	8.63	
92)	Benzo(g,h,i)pe...	0.898	0.929	1.034	1.130	1.129	1.156	1.179	1.065	10.60	

(#) = Out of Range

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF031025.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Mon Mar 10 15:46:22 2025
 Response Via : Initial Calibration

Calibration Files

2.5 =BF141897.D 5 =BF141898.D 10 =BF141899.D 20 =BF141900.D 40 =BF141901.D 50 =BF141905.D 60 =BF141903.D 80 =BF141904.D

	Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.490	0.482	0.536	0.504	0.495	0.501	0.508	0.502		3.43
3)	Pyridine	1.217	1.204	1.334	1.221	1.203	1.209	1.233	1.232		3.77
4)	n-Nitrosodimet...	0.554	0.556	0.621	0.583	0.595	0.594	0.607	0.587		4.26
5) S	2-Fluorophenol	1.267	1.243	1.298	1.148	1.162	1.146	1.124	1.198		5.79
6)	Aniline	1.599	1.602	1.640	1.465	1.443	1.435	1.351	1.505		7.20
7) S	Phenol-d6	1.623	1.593	1.644	1.442	1.483	1.471	1.424	1.526		5.99
8)	2-Chlorophenol	1.421	1.354	1.434	1.259	1.295	1.284	1.256	1.329		5.63
9)	Benzaldehyde		1.021	0.975	0.778	0.778	0.716		0.853		15.85
10) C	Phenol	1.708	1.675	1.747	1.536	1.542	1.532	1.496	1.605		6.30
11)	bis(2-Chloroet...	1.287	1.246	1.281	1.144	1.175	1.176	1.127	1.205		5.43
12)	1,3-Dichlorobe...	1.475	1.489	1.538	1.373	1.401	1.401	1.367	1.435		4.59
13) C	1,4-Dichlorobe...	1.514	1.503	1.548	1.393	1.408	1.420	1.376	1.452		4.71
14)	1,2-Dichlorobe...	1.461	1.417	1.460	1.303	1.315	1.343	1.273	1.367		5.69
15)	Benzyl Alcohol	1.236	1.252	1.322	1.185	1.214	1.246	1.180	1.233		3.91
16)	2,2'-oxybis(1-...	1.591	1.525	1.534	1.363	1.387	1.472	1.313	1.455		7.07
17)	2-Methylphenol	1.080	1.050	1.122	1.008	1.038	1.079	1.021	1.057		3.73
18)	Hexachloroethane	0.545	0.551	0.576	0.517	0.540	0.560	0.522	0.544		3.76
19) P	n-Nitroso-di-n...	1.020	1.024	1.000	1.043	0.913	0.940	0.991	0.912	0.980	5.29
20)	3+4-Methylphenols	1.449	1.394	1.470	1.294	1.311	1.334	1.223	1.354		6.55
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.514	0.493	0.513	0.460	0.450	0.469	0.453	0.479		5.76
23) S	Nitrobenzene-d5	0.345	0.356	0.379	0.348	0.344	0.363	0.353	0.355		3.47
24)	Nitrobenzene	0.347	0.351	0.375	0.346	0.343	0.359	0.352	0.353		3.07
25)	Isophorone	0.647	0.620	0.655	0.600	0.605	0.648	0.622	0.628		3.49
26) C	2-Nitrophenol	0.150	0.159	0.182	0.175	0.179	0.188	0.181	0.173		7.88
27)	2,4-Dimethylph...	0.247	0.234	0.251	0.231	0.233	0.244	0.232	0.239		3.45
28)	bis(2-Chloroet...	0.411	0.406	0.416	0.372	0.377	0.397	0.378	0.394		4.63
29) C	2,4-Dichloroph...	0.292	0.295	0.309	0.286	0.295	0.303	0.294	0.296		2.54
30)	1,2,4-Trichlor...	0.337	0.325	0.342	0.310	0.318	0.333	0.322	0.327		3.50
31)	Naphthalene	1.104	1.075	1.101	0.984	1.001	0.973	0.954	1.027		6.22
32)	Benzoic acid		0.149	0.191	0.208	0.228	0.242	0.241	0.210		17.07
33)	4-Chloroaniline	0.383	0.378	0.393	0.351	0.354	0.352	0.329	0.363		6.14
34) C	Hexachlorobuta...	0.211	0.211	0.221	0.203	0.214	0.214	0.216	0.213		2.52
35)	Caprolactam	0.092	0.089	0.094	0.084	0.088	0.090	0.094	0.090		4.00
36) C	4-Chloro-3-met...	0.334	0.331	0.349	0.318	0.329	0.334	0.320	0.331		3.13
37)	2-Methylnaphth...	0.746	0.709	0.733	0.653	0.655	0.667	0.645	0.687		6.09
38)	1-Methylnaphth...	0.717	0.691	0.721	0.623	0.619	0.647	0.620	0.663		6.95

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF031025.M

39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.615	0.604	0.626	0.592	0.597	0.606	0.623	0.609	2.11	
41) P	Hexachlorocycl...	0.204	0.221	0.249	0.250	0.237	0.252	0.256	0.238	8.03	
42) S	2,4,6-Tribromo...	0.234	0.236	0.259	0.250	0.259	0.265	0.272	0.254	5.67	
43) C	2,4,6-Trichlor...	0.388	0.389	0.402	0.398	0.400	0.401	0.409	0.398	1.91	
44)	2,4,5-Trichlor...	0.396	0.391	0.422	0.389	0.400	0.415	0.407	0.403	3.05	
45) S	2-Fluorobiphenyl	1.430	1.379	1.379	1.254	1.272	1.246	1.246	1.315	5.95	
46)	1,1'-Biphenyl	1.636	1.573	1.591	1.454	1.502	1.431	1.450	1.520	5.29	
47)	2-Chloronaphth...	1.197	1.141	1.181	1.091	1.129	1.090	1.100	1.133	3.82	
48)	2-Nitroaniline	0.296	0.314	0.346	0.322	0.356	0.332	0.330	0.328	6.08	
49)	Acenaphthylene	1.765	1.740	1.778	1.635	1.664	1.595	1.589	1.681	4.74	
50)	Dimethylphthalate	1.481	1.414	1.469	1.329	1.425	1.345	1.341	1.401	4.47	
51)	2,6-Dinitrotol...	0.277	0.279	0.305	0.285	0.307	0.296	0.292	0.292	4.11	
52) C	Acenaphthene	1.236	1.195	1.231	1.146	1.144	1.165	1.152	1.181	3.37	
53)	3-Nitroaniline	0.291	0.295	0.316	0.293	0.283	0.301	0.291	0.296	3.61	
54) P	2,4-Dinitrophenol		0.085	0.124	0.142	0.153	0.161	0.169	0.139	22.02	
55)	Dibenzofuran	1.849	1.787	1.791	1.614	1.607	1.596	1.570	1.688	6.87	
56) P	4-Nitrophenol	0.192	0.216	0.234	0.230	0.229	0.230	0.230	0.223	6.60	
57)	2,4-Dinitrotol...	0.365	0.382	0.402	0.375	0.383	0.383	0.376	0.381	2.95	
58)	Fluorene	1.443	1.361	1.381	1.229	1.243	1.234	1.220	1.302	7.01	
59)	2,3,4,6-Tetrac...	0.355	0.365	0.390	0.359	0.364	0.366	0.369	0.367	3.05	
60)	Diethylphthalate	1.475	1.471	1.497	1.336	1.357	1.338	1.302	1.397	5.80	
61)	4-Chlorophenyl...	0.730	0.688	0.702	0.643	0.664	0.656	0.667	0.679	4.41	
62)	4-Nitroaniline	0.284	0.288	0.304	0.288	0.287	0.286	0.278	0.288	2.73	
63)	Azobenzene	1.392	1.363	1.404	1.245	1.261	1.226	1.197	1.298	6.57	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...		0.083	0.111	0.121	0.130	0.133	0.137	0.119	16.61	
66) c	n-Nitrosodiphe...	0.675	0.651	0.671	0.620	0.638	0.638	0.637	0.647	3.03	
67)	4-Bromophenyl-...	0.240	0.249	0.255	0.244	0.263	0.245	0.262	0.251	3.55	
68)	Hexachlorobenzene	0.262	0.267	0.284	0.269	0.283	0.271	0.292	0.275	3.92	
69)	Atrazine	0.216	0.213	0.193	0.164	0.206			0.198	10.72	
70) C	Pentachlorophenol	0.130	0.151	0.172	0.177	0.180	0.186	0.191	0.170	12.66	
71)	Phenanthrene	1.155	1.151	1.138	1.038	1.026	1.032	1.023	1.080	5.90	
72)	Anthracene	1.173	1.139	1.139	1.046	1.026	1.036	1.026	1.084	5.89	
73)	Carbazole	0.996	0.994	0.985	0.908	0.903	0.892	0.864	0.935	5.91	
74)	Di-n-butylphth...	1.320	1.321	1.319	1.177	1.238	1.175	1.132	1.240	6.50	
75) C	Fluoranthene	1.234	1.226	1.228	1.108	1.148	1.059	1.017	1.146	7.66	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.347	0.309	0.190	0.360	0.220	0.275	0.252	0.279	22.73	
78)	Pyrene	1.695	1.651	1.727	1.611	1.877	1.823	1.726	1.730	5.38	
79) S	Terphenyl-d14	1.343	1.309	1.360	1.276	1.380	1.417	1.384	1.353	3.56	
80)	Butylbenzylpht...	0.629	0.656	0.702	0.655	0.703	0.717	0.677	0.677	4.72	
81)	Benzo(a)anthra...	1.370	1.304	1.334	1.273	1.294	1.317	1.294	1.312	2.41	
82)	3,3'-Dichlorob...	0.370	0.389	0.380	0.372	0.365	0.394	0.384	0.379	2.78	
83)	Chrysene	1.143	1.194	1.260	1.136	1.192	1.213	1.189	1.190	3.53	
84)	Bis(2-ethylhex...	0.897	0.912	0.966	0.904	0.978	0.952	0.927	0.934	3.43	
85) c	Di-n-octyl pht...	1.145	1.219	1.338	1.265	1.376	1.390	1.361	1.299	7.10	

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF031025.M

86) I	Perylene-d12	-----ISTD-----								
87)	Indeno(1,2,3-c...	1.097	1.142	1.308	1.287	1.322	1.472	1.429	1.294	10.60
88)	Benzo(b)fluora...	1.420	1.310	1.485	1.210	1.346	1.390	1.434	1.371	6.65
89)	Benzo(k)fluora...	1.162	1.268	1.197	1.205	1.129	1.210	1.041	1.173	6.16
90) C	Benzo(a)pyrene	1.040	1.042	1.123	1.036	1.083	1.083	1.101	1.073	3.16
91)	Dibenzo(a,h)an...	0.910	0.953	1.073	1.068	1.095	1.195	1.178	1.067	9.91
92)	Benzo(g,h,i)pe...	0.912	0.949	1.061	1.065	1.064	1.167	1.167	1.055	9.24

(#) = Out of Range

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1492 SAS No.: Q1492 SDG No.: Q1492

Instrument ID: BNA_F Calibration Date/Time: 03/06/2025 09:52

Lab File ID: BF141858.D Init. Calib. Date(s): 02/27/2025 02/27/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 15:17 18:45

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.252	1.263		0.9	
Phenol-d6	1.630	1.584		-2.8	
Nitrobenzene-d5	0.313	0.382		22.0	
Naphthalene	1.028	1.054		2.5	
2-Fluorobiphenyl	1.247	1.292		3.6	
Acenaphthylene	1.685	1.735		3.0	
Acenaphthene	1.137	1.209		6.3	20.0
Fluorene	1.239	1.270		2.5	
2,4,6-Tribromophenol	0.188	0.224		19.1	
Phenanthrene	1.070	1.115		4.2	
Anthracene	1.072	1.115		4.0	
Fluoranthene	1.096	1.142		4.2	20.0
Pyrene	1.732	1.820		5.1	
Terphenyl-d14	1.236	1.301		5.3	
Benzo (a) anthracene	1.321	1.360		3.0	
Chrysene	1.218	1.218		0.0	
Benzo (b) fluoranthene	1.362	1.388		1.9	
Benzo (k) fluoranthene	1.158	1.073		-7.3	
Benzo (a) pyrene	1.093	1.113		1.8	20.0
Indeno (1,2,3-cd) pyrene	1.274	1.507		18.3	
Dibenzo (a,h) anthracene	1.040	1.220		17.3	
Benzo (g,h,i) perylene	1.065	1.282		20.4	

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1492 SAS No.: Q1492 SDG No.: Q1492

Instrument ID: BNA_F Calibration Date/Time: 03/11/2025 11:51

Lab File ID: BF141910.D Init. Calib. Date(s): 03/10/2025 03/10/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:01 15:20

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.198	1.135		-5.3	
Phenol-d6	1.526	1.442		-5.5	
Nitrobenzene-d5	0.355	0.347		-2.3	
Naphthalene	1.027	0.978		-4.8	
2-Fluorobiphenyl	1.315	1.239		-5.8	
Acenaphthylene	1.681	1.623		-3.5	
Acenaphthene	1.181	1.139		-3.6	20.0
Fluorene	1.302	1.239		-4.8	
2,4,6-Tribromophenol	0.254	0.255		0.4	
Phenanthrene	1.080	1.027		-4.9	
Anthracene	1.084	1.031		-4.9	
Fluoranthene	1.146	1.067		-6.9	20.0
Pyrene	1.730	1.662		-3.9	
Terphenyl-d14	1.353	1.336		-1.3	
Benzo (a) anthracene	1.312	1.219		-7.1	
Chrysene	1.190	1.169		-1.8	
Benzo (b) fluoranthene	1.371	1.224		-10.7	
Benzo (k) fluoranthene	1.173	1.141		-2.7	
Benzo (a) pyrene	1.073	1.020		-4.9	20.0
Indeno (1,2,3-cd) pyrene	1.294	1.240		-4.2	
Dibenzo (a,h) anthracene	1.067	1.021		-4.3	
Benzo (g,h,i) perylene	1.055	1.000		-5.2	

All other compounds must meet a minimum RRF of 0.010.



SAMPLE RAW DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141874.D
Acq On : 06 Mar 2025 17:59
Operator : RC/JU
Sample : Q1492-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RHL1PXI

A
B
C
D
E
F
G
H
I
J
K

Quant Time: Mar 07 00:18:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	152116	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	583372	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	313503	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	496736	20.000	ng	0.00
76) Chrysene-d12	14.045	240	391345	20.000	ng	0.00
86) Perylene-d12	15.521	264	319431	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	1119085	117.487	ng	0.00
7) Phenol-d6	6.504	99	1396721	112.658	ng	0.00
23) Nitrobenzene-d5	7.440	82	908150	99.506	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	426706	144.979	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	1739161	88.951	ng	0.00
79) Terphenyl-d14	12.992	244	1833470	75.800	ng	0.00

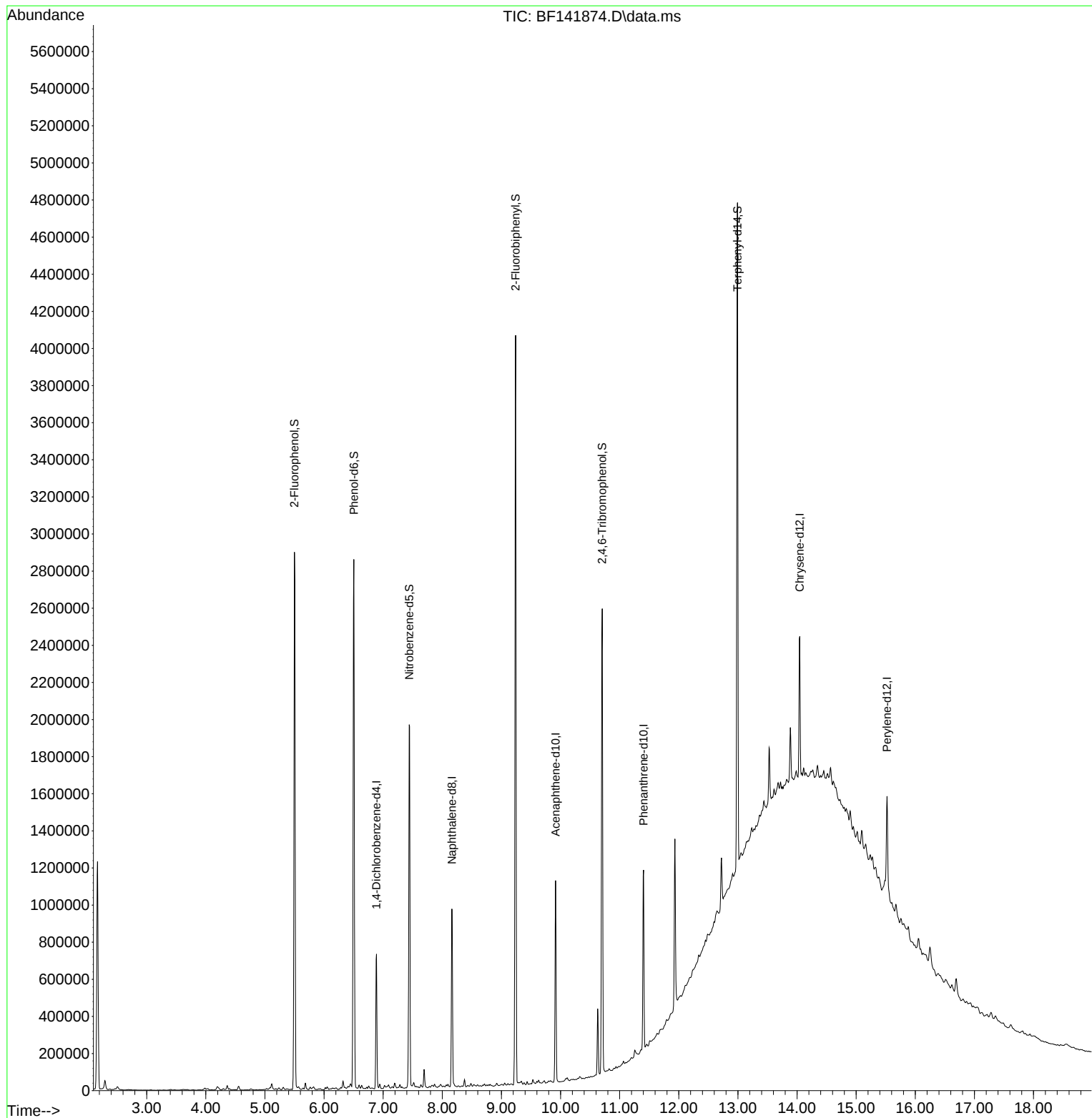
Target Compounds	Qvalue

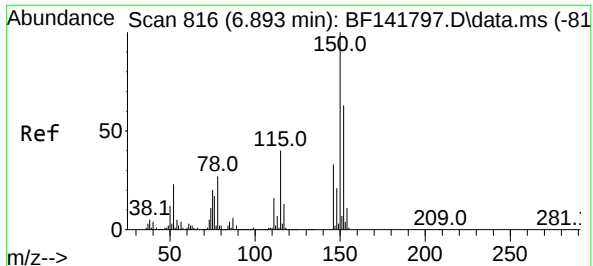
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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141874.D
Acq On : 06 Mar 2025 17:59
Operator : RC/JU
Sample : Q1492-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RHL1PXi

Quant Time: Mar 07 00:18:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration

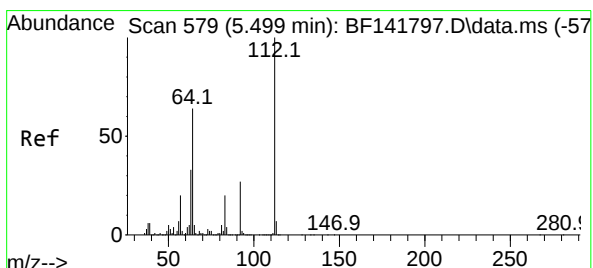
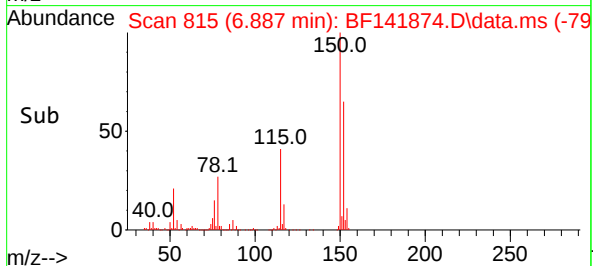
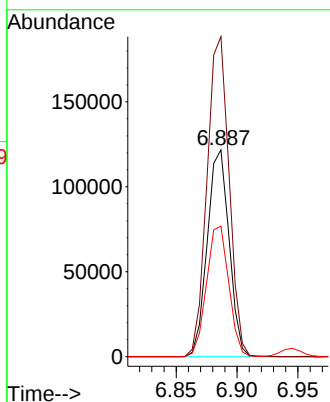
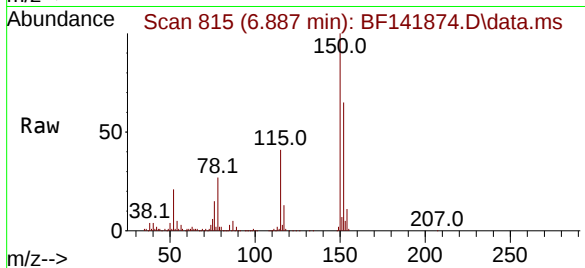




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.887 min Scan# 816
 Delta R.T. -0.006 min
 Lab File: BF141874.D
 Acq: 06 Mar 2025 17:59

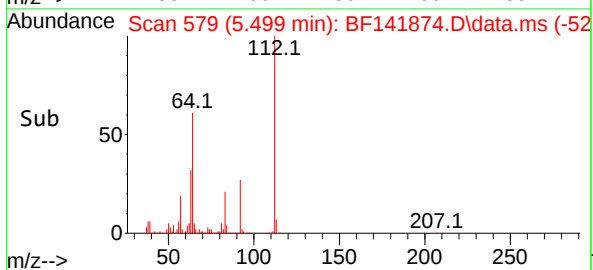
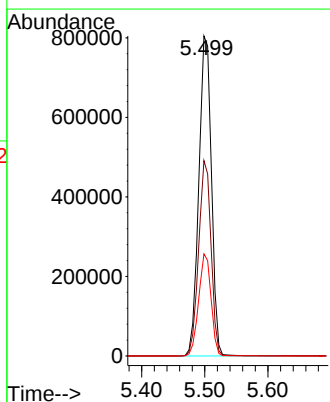
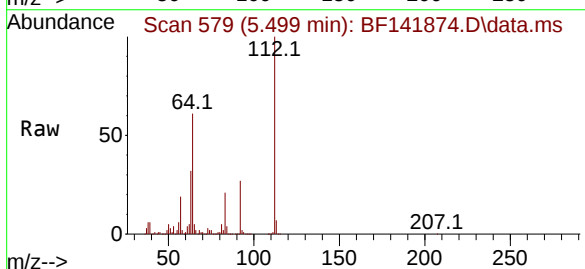
Instrument :
 BNA_F
 ClientSampleId :
 RHL1PXI

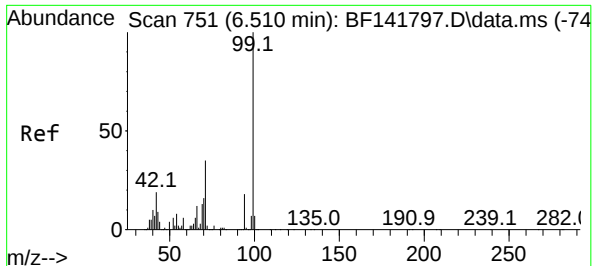
Tgt Ion:152 Resp: 152116
 Ion Ratio Lower Upper
 152 100
 150 154.6 127.5 191.3
 115 63.1 51.4 77.2



#5
 2-Fluorophenol
 Concen: 117.487 ng
 RT: 5.499 min Scan# 579
 Delta R.T. -0.000 min
 Lab File: BF141874.D
 Acq: 06 Mar 2025 17:59

Tgt Ion:112 Resp: 1119085
 Ion Ratio Lower Upper
 112 100
 64 61.1 51.3 76.9
 63 31.9 26.2 39.4

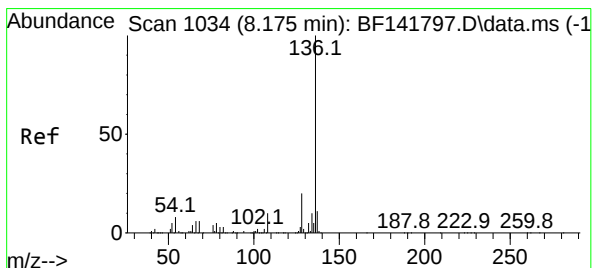
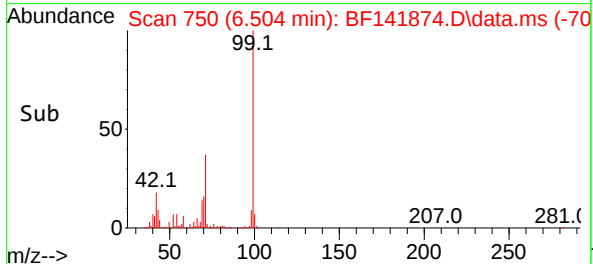
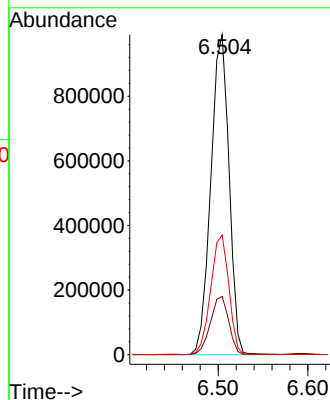
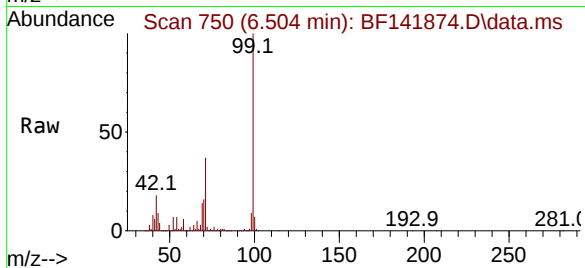




#7
Phenol-d6
Concen: 112.658 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141874.D
Acq: 06 Mar 2025 17:59

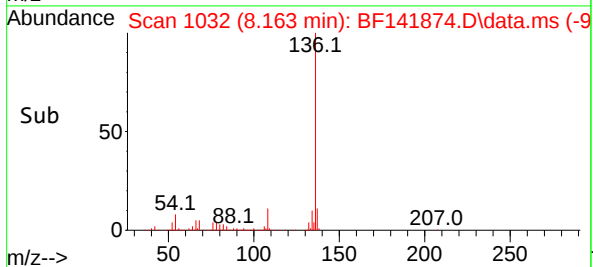
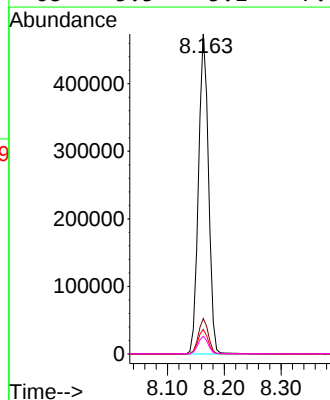
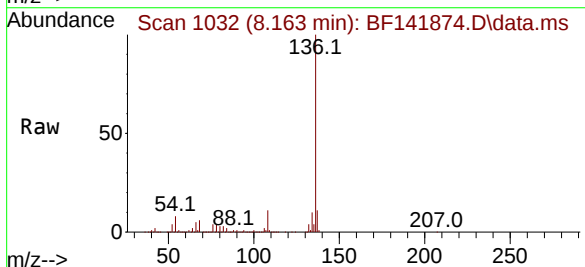
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BNA_F
ClientSampleId :
RHL1PXI

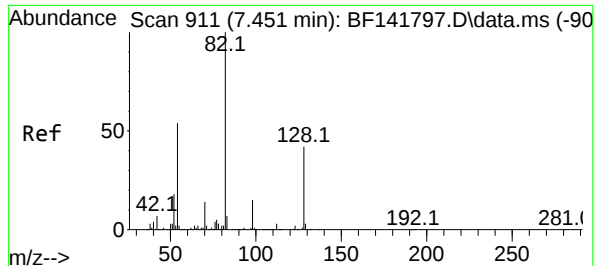
Tgt Ion: 99 Resp: 1396721
Ion Ratio Lower Upper
99 100
42 18.2 15.2 22.8
71 37.4 28.2 42.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.012 min
Lab File: BF141874.D
Acq: 06 Mar 2025 17:59

Tgt Ion: 136 Resp: 583372
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 7.6 6.9 10.3
68 5.5 5.1 7.7





#23

Nitrobenzene-d5

Concen: 99.506 ng

RT: 7.440 min Scan# 909

Delta R.T. -0.012 min

Lab File: BF141874.D

Acq: 06 Mar 2025 17:59

Instrument :

BNA_F

ClientSampleId :

RHL1PXI

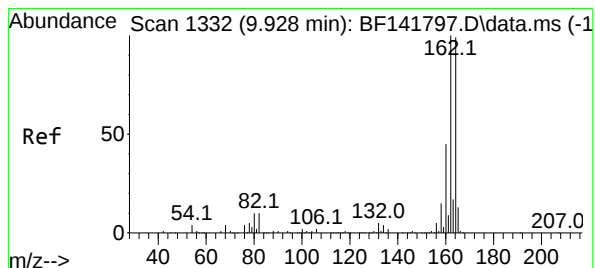
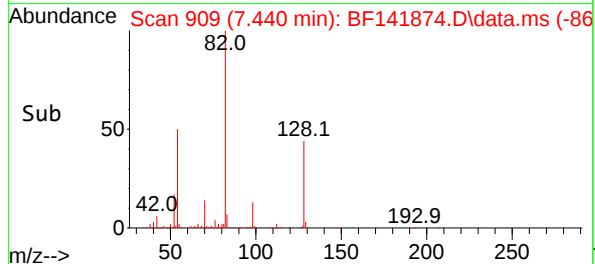
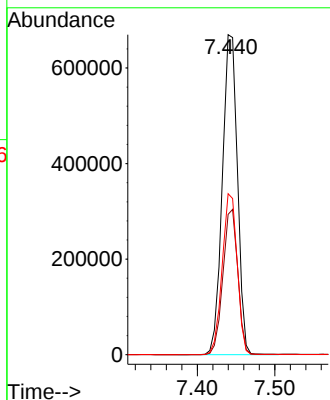
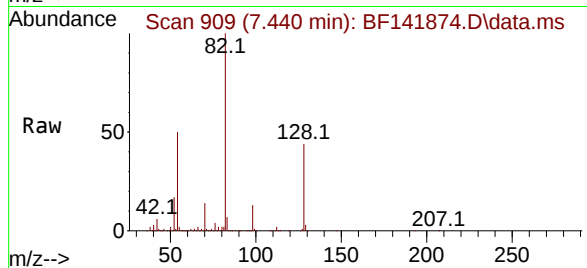
Tgt Ion: 82 Resp: 908150

Ion Ratio Lower Upper

82 100

128 43.9 33.5 50.3

54 50.3 42.7 64.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1330

Delta R.T. -0.012 min

Lab File: BF141874.D

Acq: 06 Mar 2025 17:59

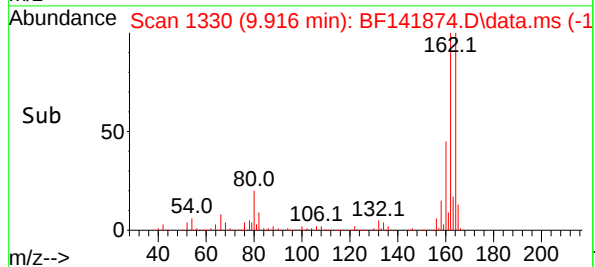
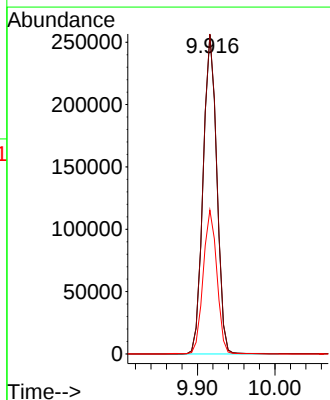
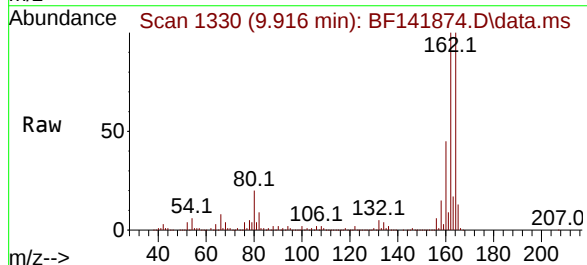
Tgt Ion: 164 Resp: 313503

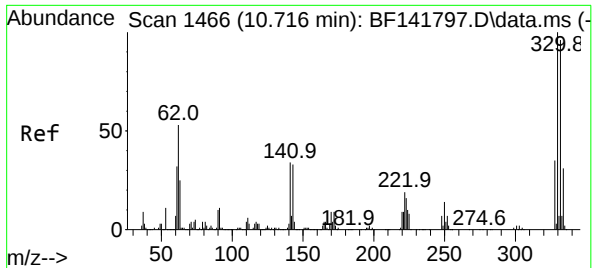
Ion Ratio Lower Upper

164 100

162 100.3 80.6 120.8

160 45.1 36.3 54.5

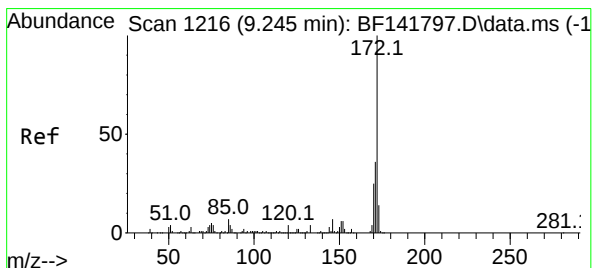
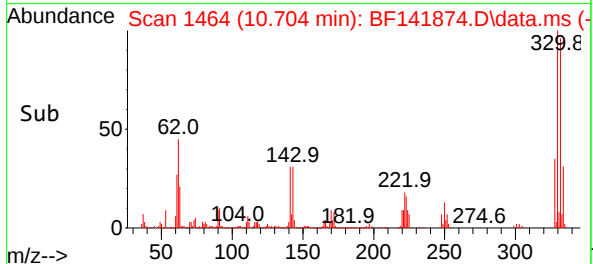
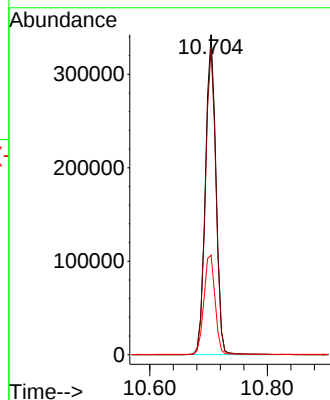
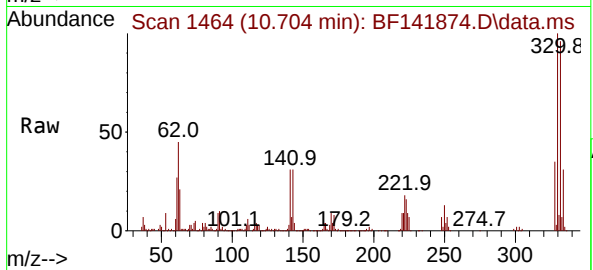




#42
2,4,6-Tribromophenol
Concen: 144.979 ng
RT: 10.704 min Scan# 1464
Delta R.T. -0.012 min
Lab File: BF141874.D
Acq: 06 Mar 2025 17:59

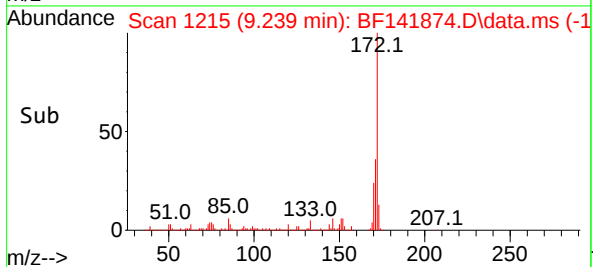
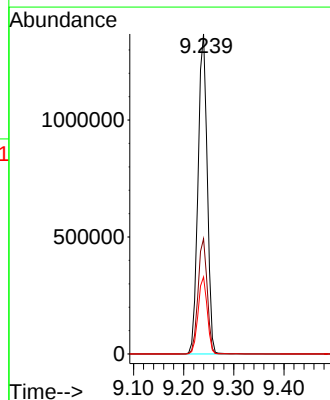
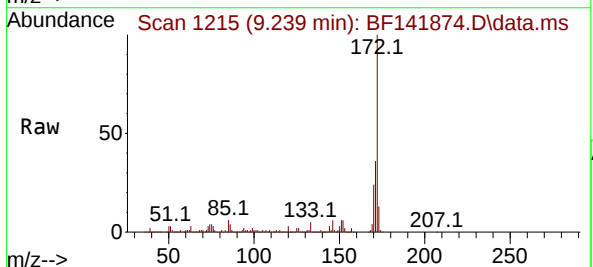
Instrument :
BNA_F
ClientSampleId :
RHL1PXI

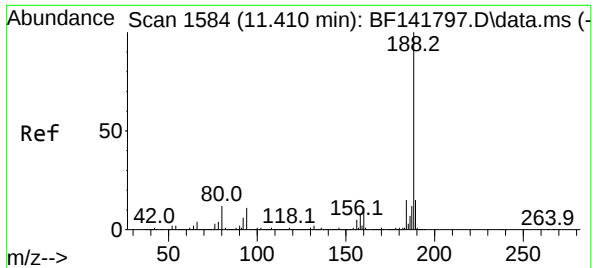
Tgt Ion:330 Resp: 426706
Ion Ratio Lower Upper
330 100
332 95.7 76.6 115.0
141 32.7 29.0 43.4



#45
2-Fluorobiphenyl
Concen: 88.951 ng
RT: 9.239 min Scan# 1215
Delta R.T. -0.006 min
Lab File: BF141874.D
Acq: 06 Mar 2025 17:59

Tgt Ion:172 Resp: 1739161
Ion Ratio Lower Upper
172 100
171 36.0 29.2 43.8
170 24.1 19.7 29.5





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141874.D

Acq: 06 Mar 2025 17:59

Instrument :

BNA_F

ClientSampleId :

RHL1PXI

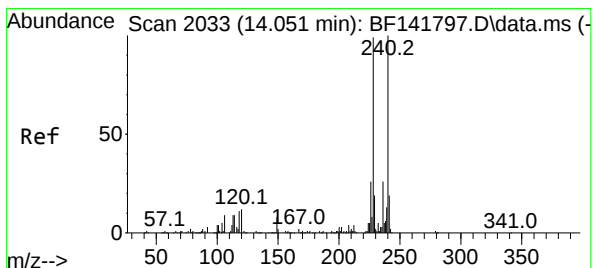
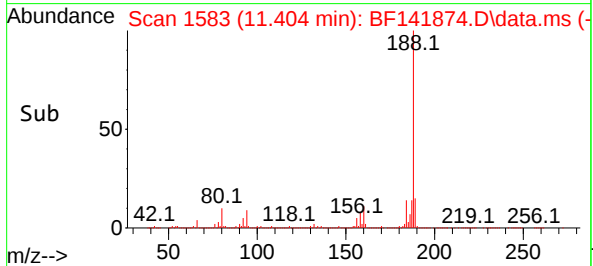
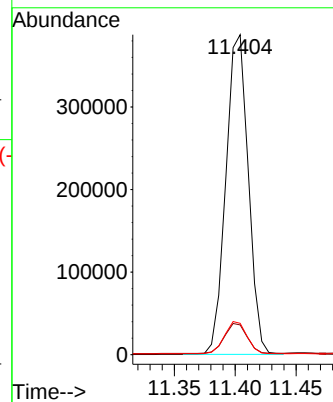
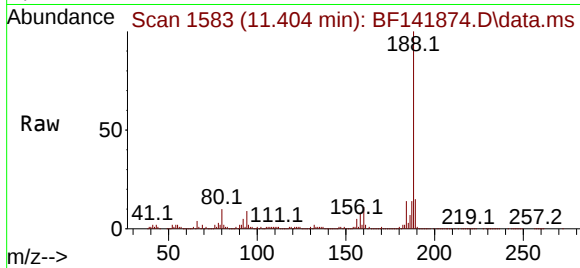
Tgt Ion:188 Resp: 496736

Ion Ratio Lower Upper

188 100

94 9.3 8.9 13.3

80 9.8 9.7 14.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF141874.D

Acq: 06 Mar 2025 17:59

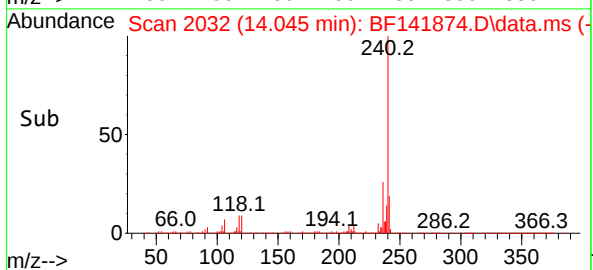
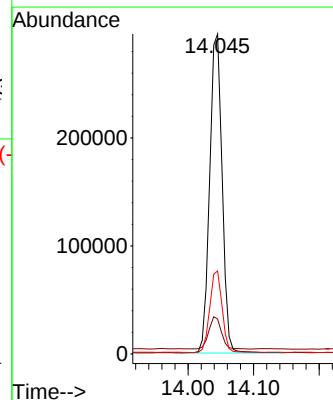
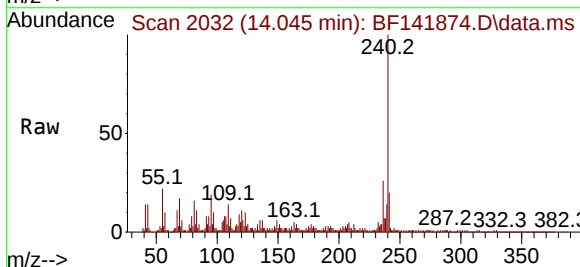
Tgt Ion:240 Resp: 391345

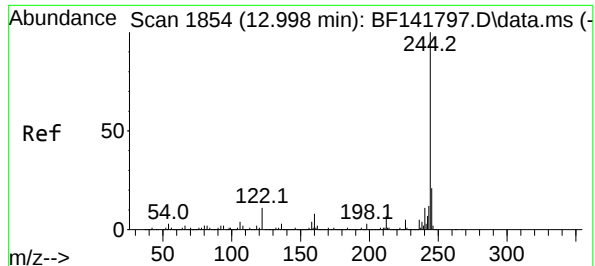
Ion Ratio Lower Upper

240 100

120 10.9 9.7 14.5

236 26.0 21.0 31.4





#79

Terphenyl-d14

Concen: 75.800 ng

RT: 12.992 min Scan# 1853

Delta R.T. -0.006 min

Lab File: BF141874.D

Acq: 06 Mar 2025 17:59

Instrument :

BNA_F

ClientSampleId :

RHL1PXI

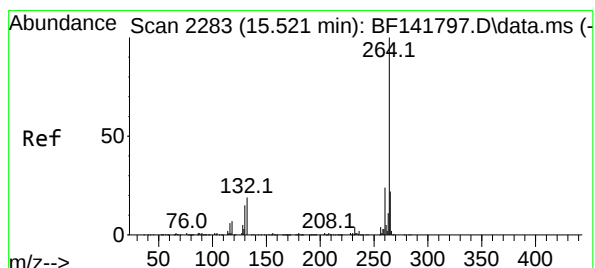
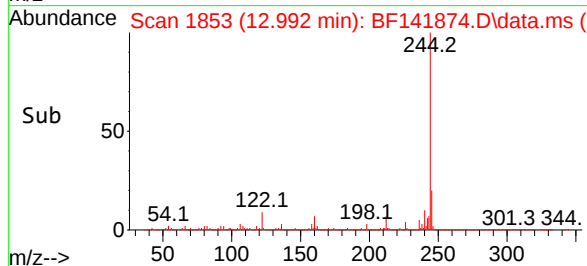
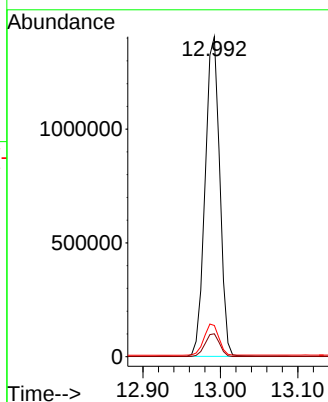
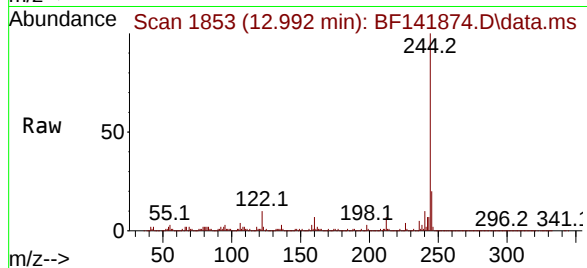
Tgt Ion:244 Resp: 1833470

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

122 9.8 9.0 13.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.521 min Scan# 2283

Delta R.T. 0.000 min

Lab File: BF141874.D

Acq: 06 Mar 2025 17:59

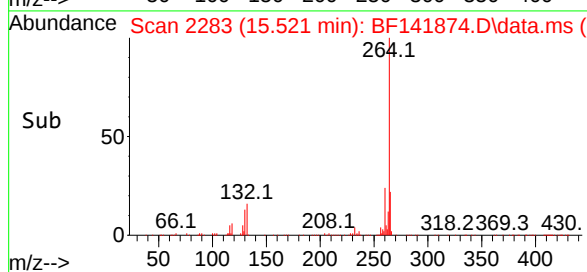
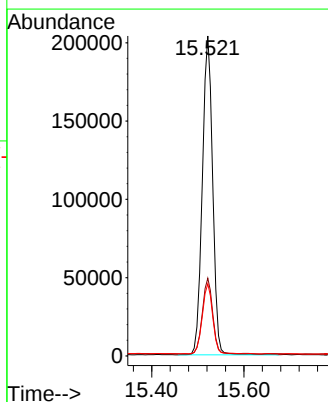
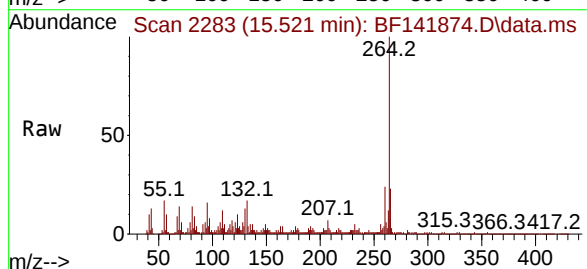
Tgt Ion:264 Resp: 319431

Ion Ratio Lower Upper

264 100

260 24.3 18.9 28.3

265 22.5 17.4 26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141907.D
Acq On : 10 Mar 2025 17:09
Operator : RC/JU
Sample : PB167012BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB167012BL

A
B
C
D
E
F
G
H
I
J
K

Quant Time: Mar 10 17:50:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	215606	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	850637	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	501095	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	952421	20.000	ng	0.00
76) Chrysene-d12	14.033	240	661459	20.000	ng	0.00
86) Perylene-d12	15.504	264	462716	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	1458643	112.910	ng	0.01
7) Phenol-d6	6.498	99	1797089	109.257	ng	0.00
23) Nitrobenzene-d5	7.439	82	1219408	80.673	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	781864	122.992	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	2525489	76.648	ng	0.00
79) Terphenyl-d14	12.986	244	3576592	79.942	ng	0.00

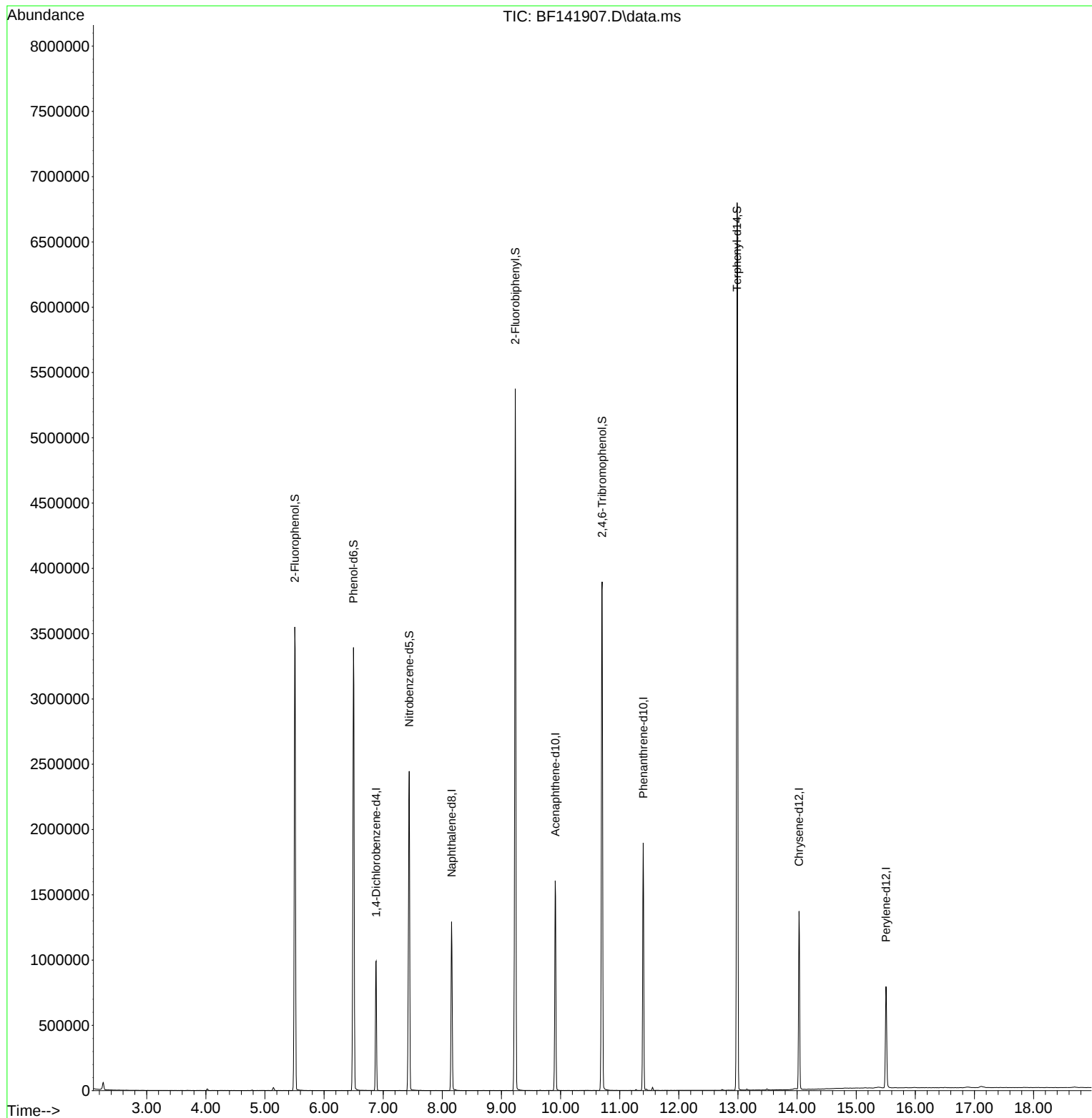
Target Compounds	Qvalue

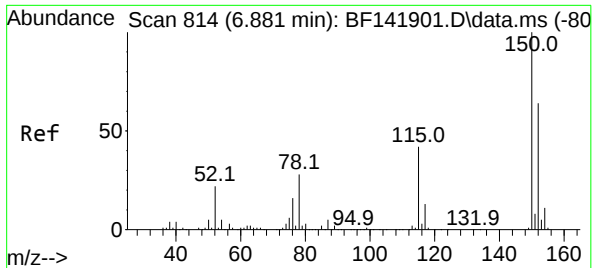
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141907.D
Acq On : 10 Mar 2025 17:09
Operator : RC/JU
Sample : PB167012BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB167012BL

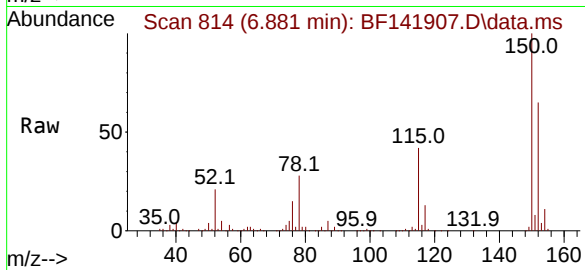
Quant Time: Mar 10 17:50:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration



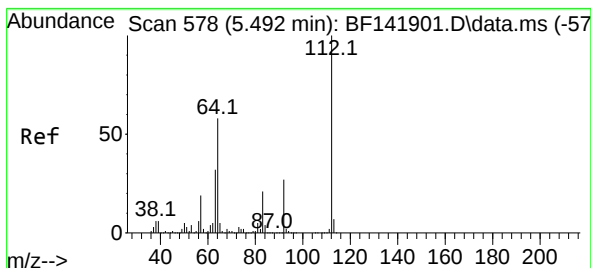
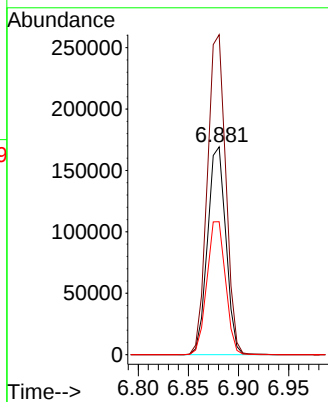
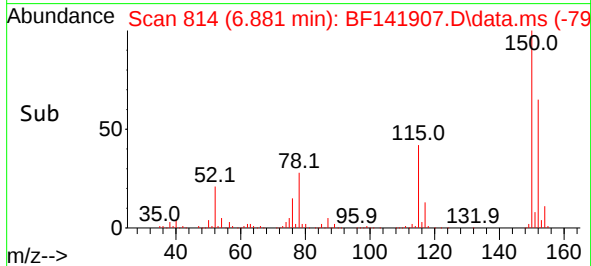


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF141907.D
Acq: 10 Mar 2025 17:09

Instrument :
BNA_F
ClientSampleId :
PB167012BL

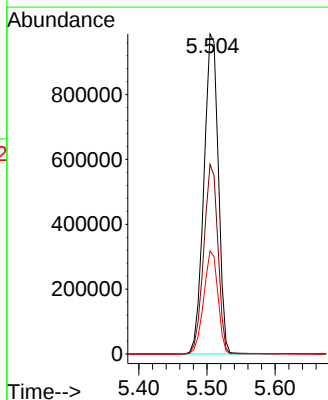
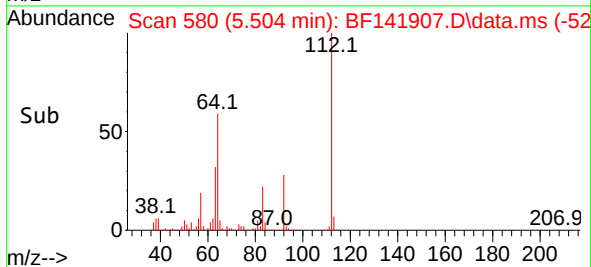
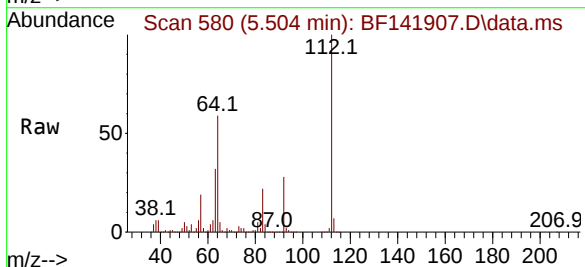


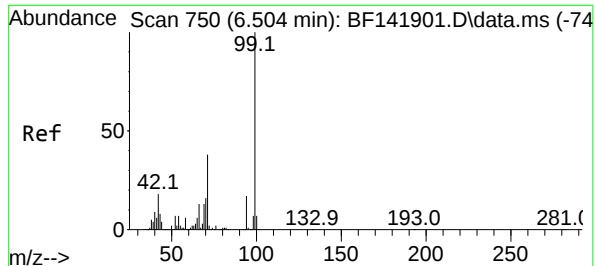
Tgt Ion:152 Resp: 215606
Ion Ratio Lower Upper
152 100
150 153.9 127.4 191.2
115 63.9 51.9 77.9



#5
2-Fluorophenol
Concen: 112.910 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.012 min
Lab File: BF141907.D
Acq: 10 Mar 2025 17:09

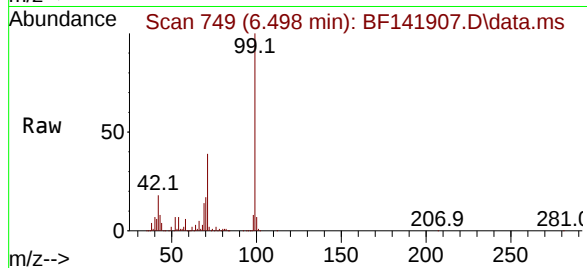
Tgt Ion:112 Resp: 1458643
Ion Ratio Lower Upper
112 100
64 59.2 46.5 69.7
63 32.2 25.4 38.2



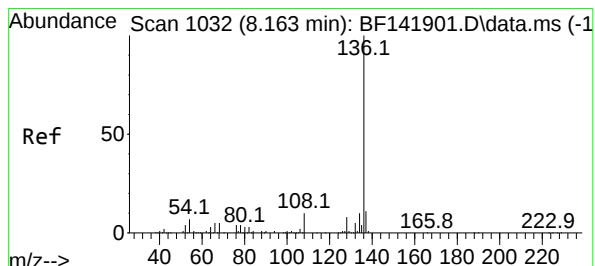
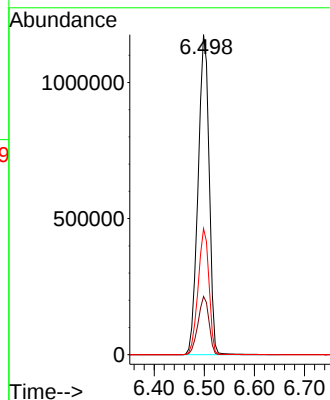
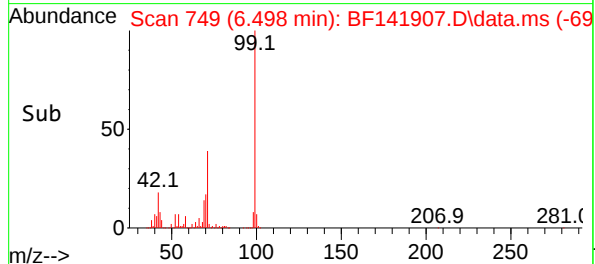


#7
Phenol-d6
Concen: 109.257 ng
RT: 6.498 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF141907.D
Acq: 10 Mar 2025 17:09

Instrument :
BNA_F
ClientSampleId :
PB167012BL

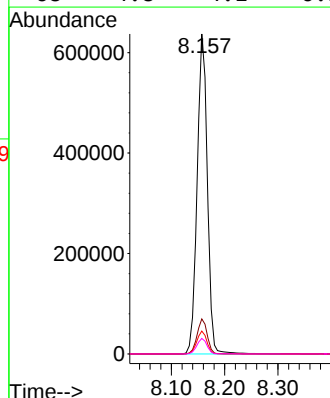
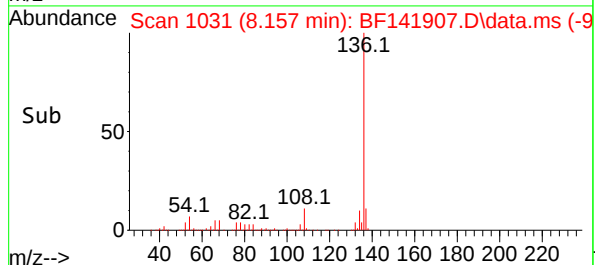
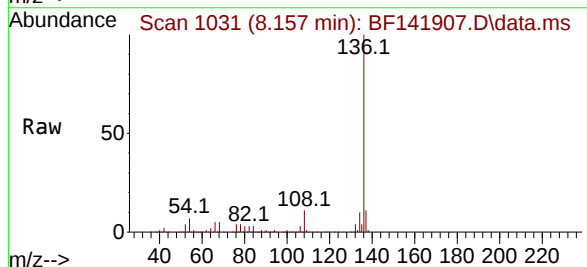


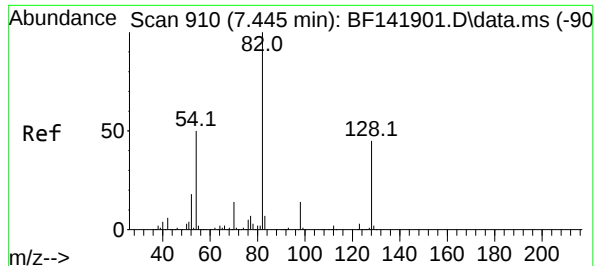
Tgt Ion: 99 Resp: 1797089
Ion Ratio Lower Upper
99 100
42 18.2 14.6 21.8
71 39.4 30.8 46.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF141907.D
Acq: 10 Mar 2025 17:09

Tgt Ion: 136 Resp: 850637
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 7.2 5.8 8.8
68 4.8 4.1 6.1





#23

Nitrobenzene-d5

Concen: 80.673 ng

RT: 7.439 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF141907.D

Acq: 10 Mar 2025 17:09

Instrument :

BNA_F

ClientSampleId :

PB167012BL

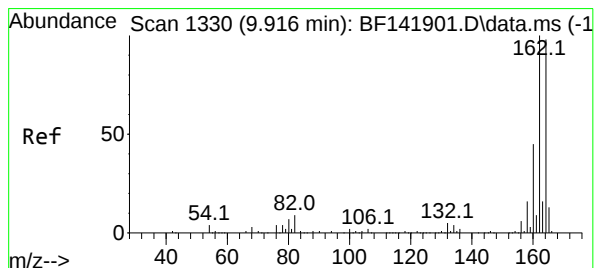
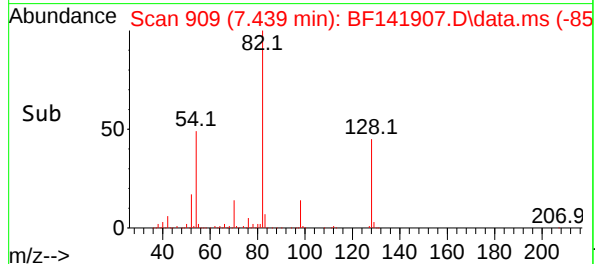
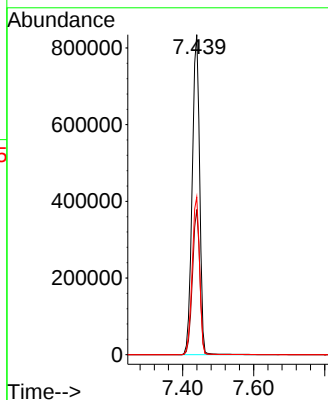
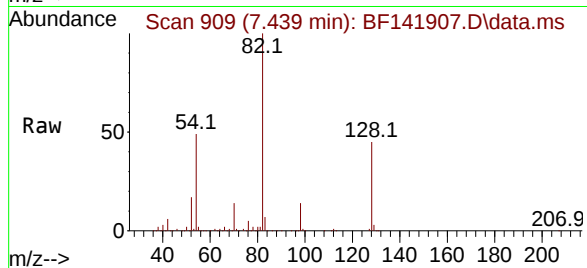
Tgt Ion: 82 Resp: 1219408

Ion Ratio Lower Upper

82 100

128 45.3 36.0 54.0

54 49.3 39.6 59.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1329

Delta R.T. -0.006 min

Lab File: BF141907.D

Acq: 10 Mar 2025 17:09

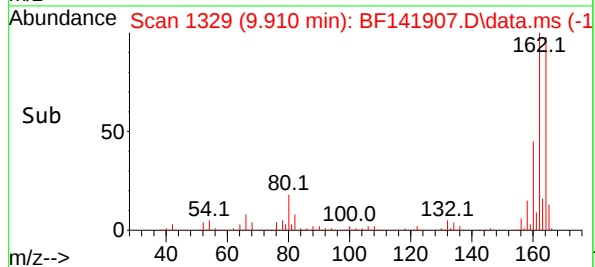
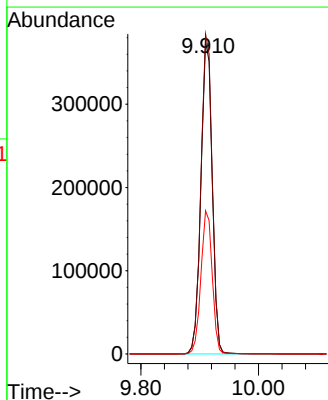
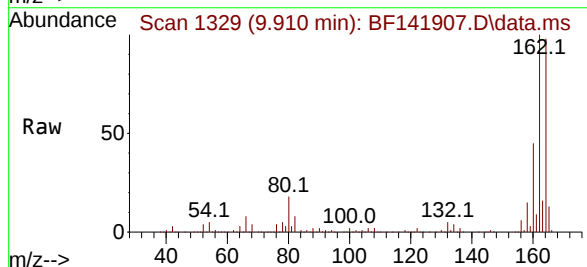
Tgt Ion: 164 Resp: 501095

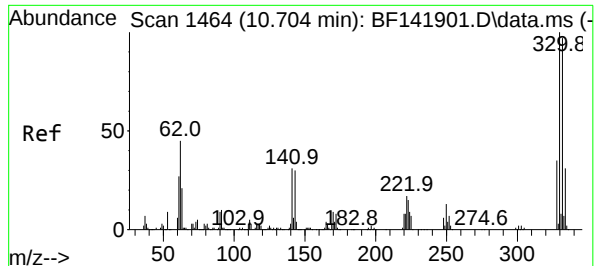
Ion Ratio Lower Upper

164 100

162 102.3 81.8 122.6

160 45.8 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 122.992 ng

RT: 10.704 min Scan# 1464

Delta R.T. 0.000 min

Lab File: BF141907.D

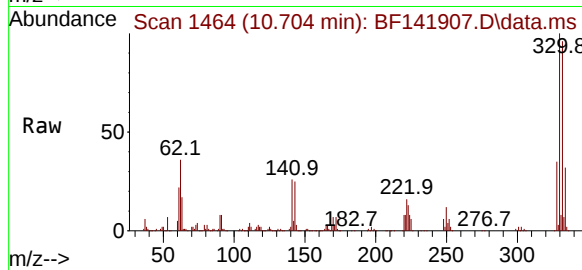
Acq: 10 Mar 2025 17:09

Instrument :

BNA_F

ClientSampleId :

PB167012BL



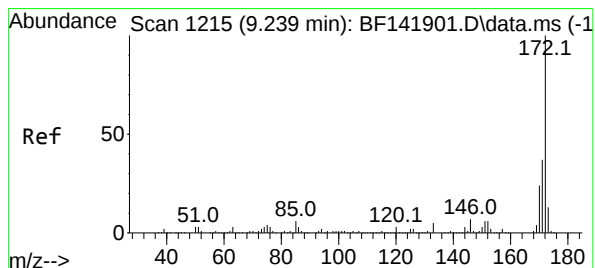
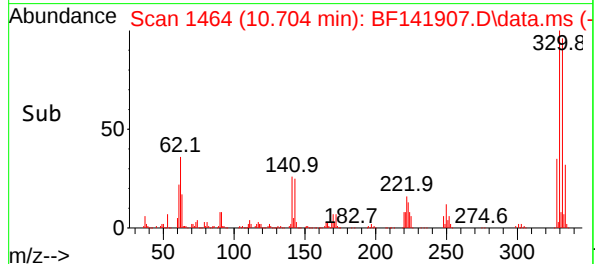
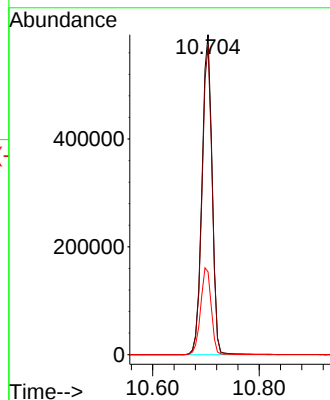
Tgt Ion:330 Resp: 781864

Ion Ratio Lower Upper

330 100

332 96.3 77.6 116.4

141 28.4 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 76.648 ng

RT: 9.233 min Scan# 1214

Delta R.T. -0.006 min

Lab File: BF141907.D

Acq: 10 Mar 2025 17:09

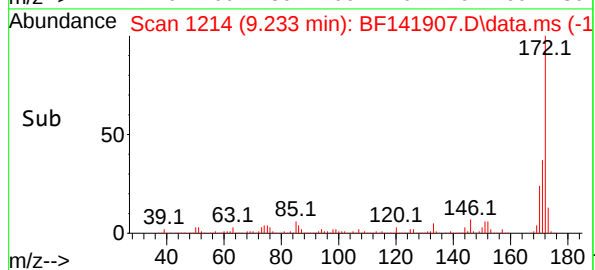
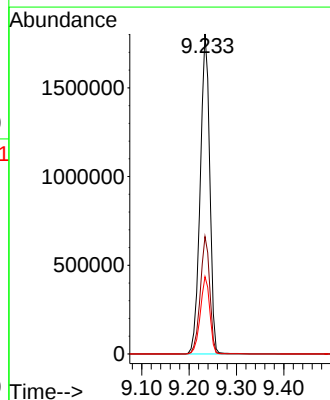
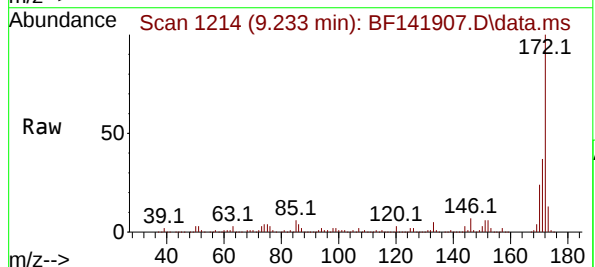
Tgt Ion:172 Resp: 2525489

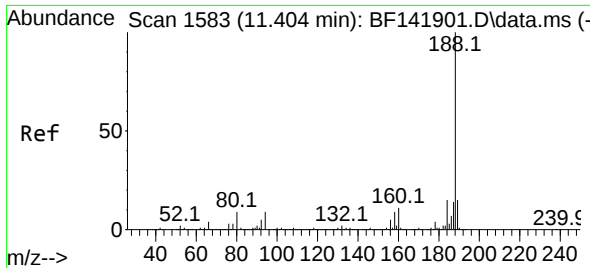
Ion Ratio Lower Upper

172 100

171 36.7 29.3 43.9

170 24.2 19.4 29.0

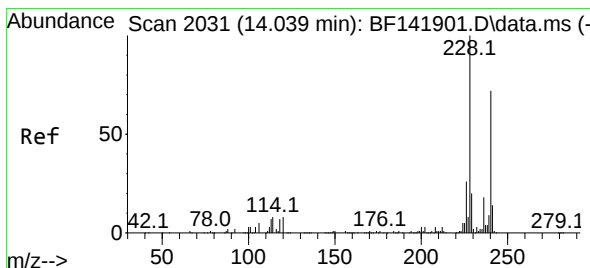
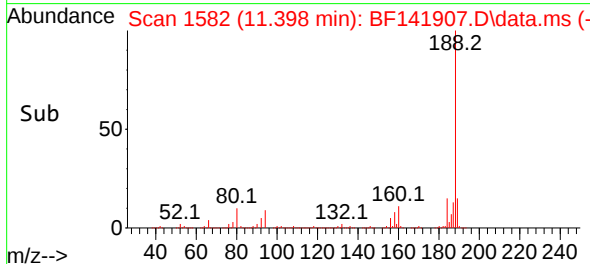
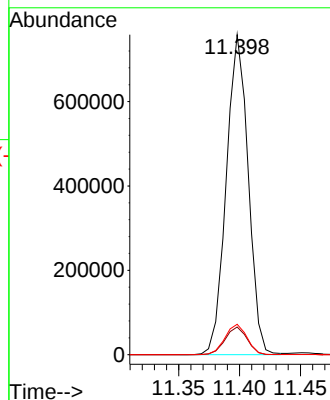
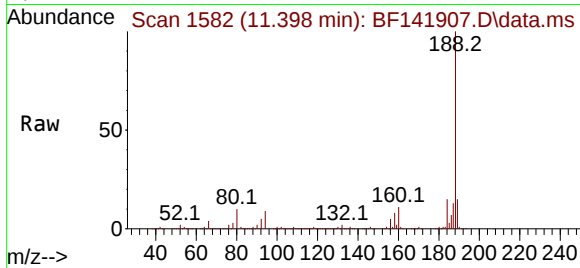




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141907.D
Acq: 10 Mar 2025 17:09

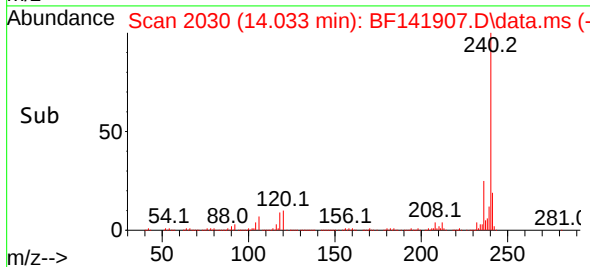
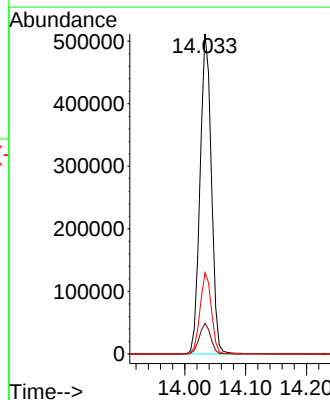
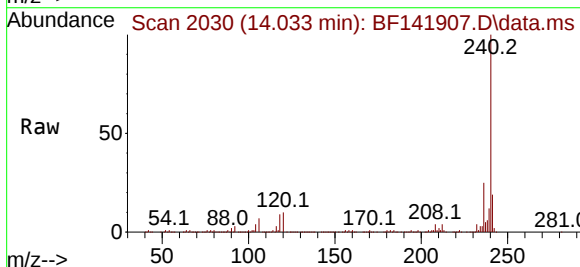
Instrument :
BNA_F
ClientSampleId :
PB167012BL

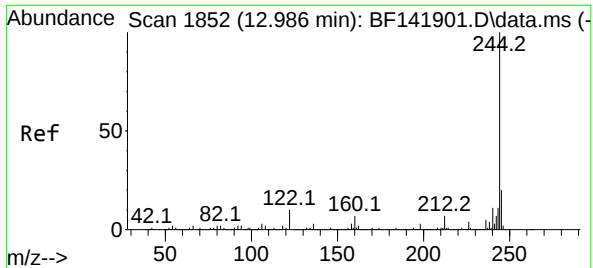
Tgt Ion:188 Resp: 952421
Ion Ratio Lower Upper
188 100
94 8.7 6.8 10.2
80 9.5 7.6 11.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF141907.D
Acq: 10 Mar 2025 17:09

Tgt Ion:240 Resp: 661459
Ion Ratio Lower Upper
240 100
120 9.6 8.4 12.6
236 25.4 20.5 30.7





#79

Terphenyl-d14

Concen: 79.942 ng

RT: 12.986 min Scan# 1852

Delta R.T. 0.000 min

Lab File: BF141907.D

Acq: 10 Mar 2025 17:09

Instrument :

BNA_F

ClientSampleId :

PB167012BL

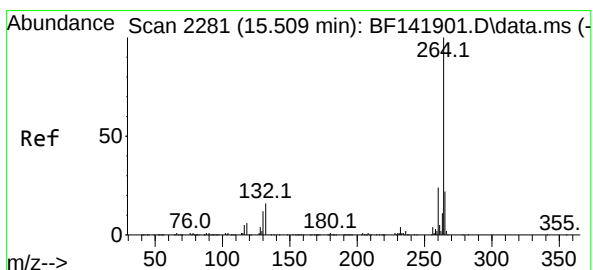
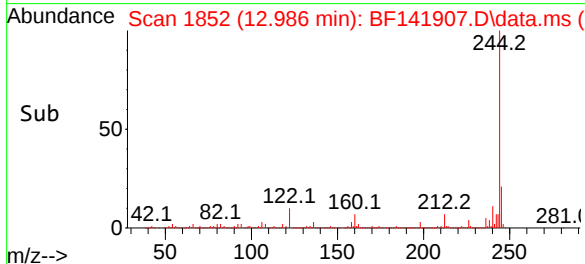
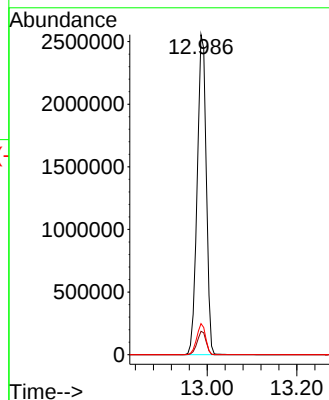
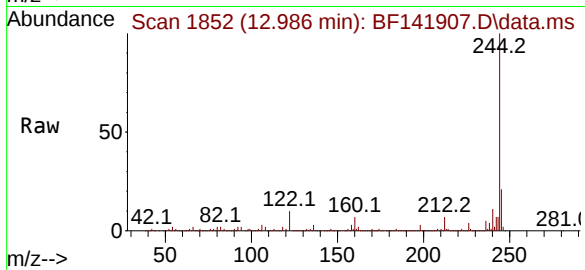
Tgt Ion:244 Resp: 3576592

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

122 9.7 7.7 11.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.504 min Scan# 2280

Delta R.T. -0.006 min

Lab File: BF141907.D

Acq: 10 Mar 2025 17:09

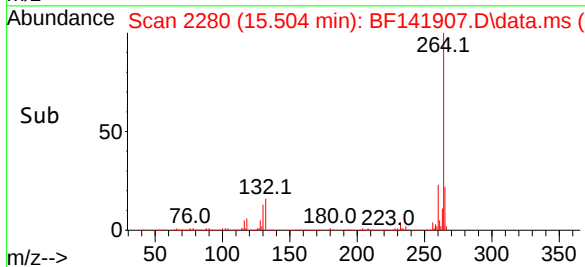
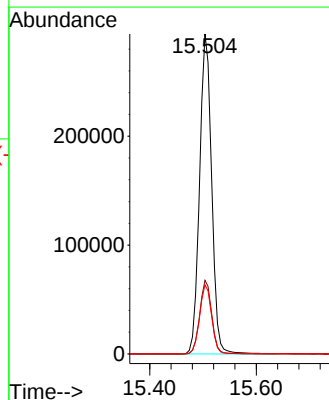
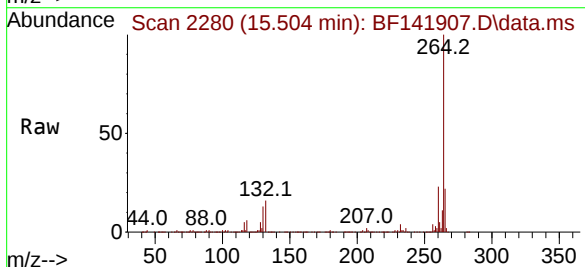
Tgt Ion:264 Resp: 462716

Ion Ratio Lower Upper

264 100

260 23.0 19.1 28.7

265 21.6 17.5 26.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
 Data File : BF141912.D
 Acq On : 11 Mar 2025 12:51
 Operator : RC/JU
 Sample : PB167012BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB167012BS

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/12/2025
 Supervised By :Jagrut Upadhyay 03/12/2025

Quant Time: Mar 11 13:13:09 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	184657	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	747989	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	446834	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	767875	20.000	ng	0.00
76) Chrysene-d12	14.039	240	492551	20.000	ng	0.00
86) Perylene-d12	15.509	264	412337	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1410034	127.441	ng	0.02
7) Phenol-d6	6.504	99	1768099	125.511	ng	0.00
23) Nitrobenzene-d5	7.445	82	1176171	88.491	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	786997	138.833	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	2509203	85.401	ng	0.00
79) Terphenyl-d14	12.986	244	3144530	94.387	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.775	88	176154	37.998	ng	99
3) Pyridine	3.528	79	414716	36.469	ng	100
4) n-Nitrosodimethylamine	3.469	42	216070	39.860	ng	99
6) Aniline	6.545	93	528502	38.030	ng	100
8) 2-Chlorophenol	6.663	128	525492	42.824	ng	100
9) Benzaldehyde	6.428	77	173950	22.079	ng	100
10) Phenol	6.522	94	624057	42.109	ng	98
11) bis(2-Chloroethyl)ether	6.616	93	460410	41.373	ng	99
12) 1,3-Dichlorobenzene	6.822	146	539092	40.693	ng	99
13) 1,4-Dichlorobenzene	6.898	146	553694	41.308	ng	99
14) 1,2-Dichlorobenzene	7.051	146	530249	41.999	ng	98
15) Benzyl Alcohol	7.016	79	467000	41.006	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.151	45	545528	40.606	ng	99
17) 2-Methylphenol	7.128	107	433101	44.390	ng	99
18) Hexachloroethane	7.392	117	206361	41.055	ng	98
19) n-Nitroso-di-n-propyla...	7.292	70	368389	40.698	ng	99
20) 3+4-Methylphenols	7.281	107	538615	43.099	ng	# 89
22) Acetophenone	7.286	105	796984	44.493	ng	96
24) Nitrobenzene	7.463	77	547931	41.468	ng	99
25) Isophorone	7.698	82	1031311	43.895	ng	100
26) 2-Nitrophenol	7.775	139	280000	43.176	ng	99
27) 2,4-Dimethylphenol	7.810	122	477228	53.443	ng	99
28) bis(2-Chloroethoxy)met...	7.910	93	605810	41.111	ng	99
29) 2,4-Dichlorophenol	8.016	162	470568	42.455	ng	99
30) 1,2,4-Trichlorobenzene	8.104	180	490890	40.188	ng	100
31) Naphthalene	8.180	128	1543197	40.163	ng	100
32) Benzoic acid	7.928	122	380831	48.517	ng	99
33) 4-Chloroaniline	8.228	127	269648	19.880	ng	98
34) Hexachlorobutadiene	8.298	225	326107	40.938	ng	99
35) Caprolactam	8.598	113	163653m	48.429	ng	
36) 4-Chloro-3-methylphenol	8.710	107	530526	42.909	ng	98
37) 2-Methylnaphthalene	8.875	142	1018669	39.664	ng	99
38) 1-Methylnaphthalene	8.975	142	1006929	40.630	ng	99
40) 1,2,4,5-Tetrachloroben...	9.039	216	592823	43.576	ng	97
41) Hexachlorocyclopentadiene	9.027	237	761350	142.999	ng	99
43) 2,4,6-Trichlorophenol	9.151	196	377685	42.480	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
 Data File : BF141912.D
 Acq On : 11 Mar 2025 12:51
 Operator : RC/JU
 Sample : PB167012BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

PB167012BS

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/12/2025

Supervised By :Jagrut Upadhyay 03/12/2025

Quant Time: Mar 11 13:13:09 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Mar 10 15:46:22 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	378302	42.011	ng	98
46) 1,1'-Biphenyl	9.339	154	1506272	44.366	ng	100
47) 2-Chloronaphthalene	9.363	162	1033961	40.859	ng	99
48) 2-Nitroaniline	9.457	65	315690	43.086	ng	99
49) Acenaphthylene	9.780	152	1615328	43.015	ng	100
50) Dimethylphthalate	9.639	163	1304333	41.684	ng	100
51) 2,6-Dinitrotoluene	9.698	165	284720	43.702	ng	98
52) Acenaphthene	9.951	154	1210769	45.880	ng	99
53) 3-Nitroaniline	9.869	138	185407	28.055	ng	98
54) 2,4-Dinitrophenol	9.974	184	305424	82.304	ng #	48
55) Dibenzofuran	10.122	168	1492523	39.581	ng	100
56) 4-Nitrophenol	10.027	139	461921	92.685	ng	97
57) 2,4-Dinitrotoluene	10.104	165	390807	45.927	ng	100
58) Fluorene	10.469	166	1188252	40.862	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	346049	42.232	ng	100
60) Diethylphthalate	10.339	149	1299882	41.662	ng	100
61) 4-Chlorophenyl-phenyle...	10.457	204	629696	41.535	ng	98
62) 4-Nitroaniline	10.486	138	275869	42.878	ng	98
63) Azobenzene	10.616	77	1162629	40.080	ng	100
65) 4,6-Dinitro-2-methylph...	10.510	198	198679	43.402	ng	100
66) n-Nitrosodiphenylamine	10.580	169	1055983	42.496	ng	100
67) 4-Bromophenyl-phenylether	10.951	248	402742	41.763	ng	96
68) Hexachlorobenzene	11.016	284	460847	43.571	ng	95
69) Atrazine	11.104	200	435190	57.129	ng	99
70) Pentachlorophenol	11.204	266	557141	85.494	ng	100
71) Phenanthrene	11.427	178	1762158	42.487	ng	100
72) Anthracene	11.480	178	1787717	42.963	ng	100
73) Carbazole	11.633	167	1505049	41.940	ng	99
74) Di-n-butylphthalate	11.963	149	1956127	41.081	ng	100
75) Fluoranthene	12.615	202	1792812	40.750	ng	100
77) Benzidine	12.733	184	544235	79.196	ng	99
78) Pyrene	12.845	202	1775108	41.663	ng	100
80) Butylbenzylphthalate	13.462	149	719394	43.139	ng	99
81) Benzo(a)anthracene	14.027	228	1428951	44.211	ng	100
82) 3,3'-Dichlorobenzidine	13.992	252	281380	30.125	ng	99
83) Chrysene	14.068	228	1187792	40.541	ng	100
84) Bis(2-ethylhexyl)phtha...	14.015	149	991942	43.141	ng	100
85) Di-n-octyl phthalate	14.633	149	1411316	44.114	ng	99
87) Indeno(1,2,3-cd)pyrene	16.998	276	1167143	43.757	ng	99
88) Benzo(b)fluoranthene	15.080	252	1095375	38.761	ng	100
89) Benzo(k)fluoranthene	15.109	252	1076737	44.523	ng	100
90) Benzo(a)pyrene	15.451	252	1004550	45.430	ng	100
91) Dibenzo(a,h)anthracene	17.015	278	961369	43.683	ng	100
92) Benzo(g,h,i)perylene	17.450	276	878097	40.376	ng	98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141912.D
Acq On : 11 Mar 2025 12:51
Operator : RC/JU
Sample : PB167012BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

PB167012BS

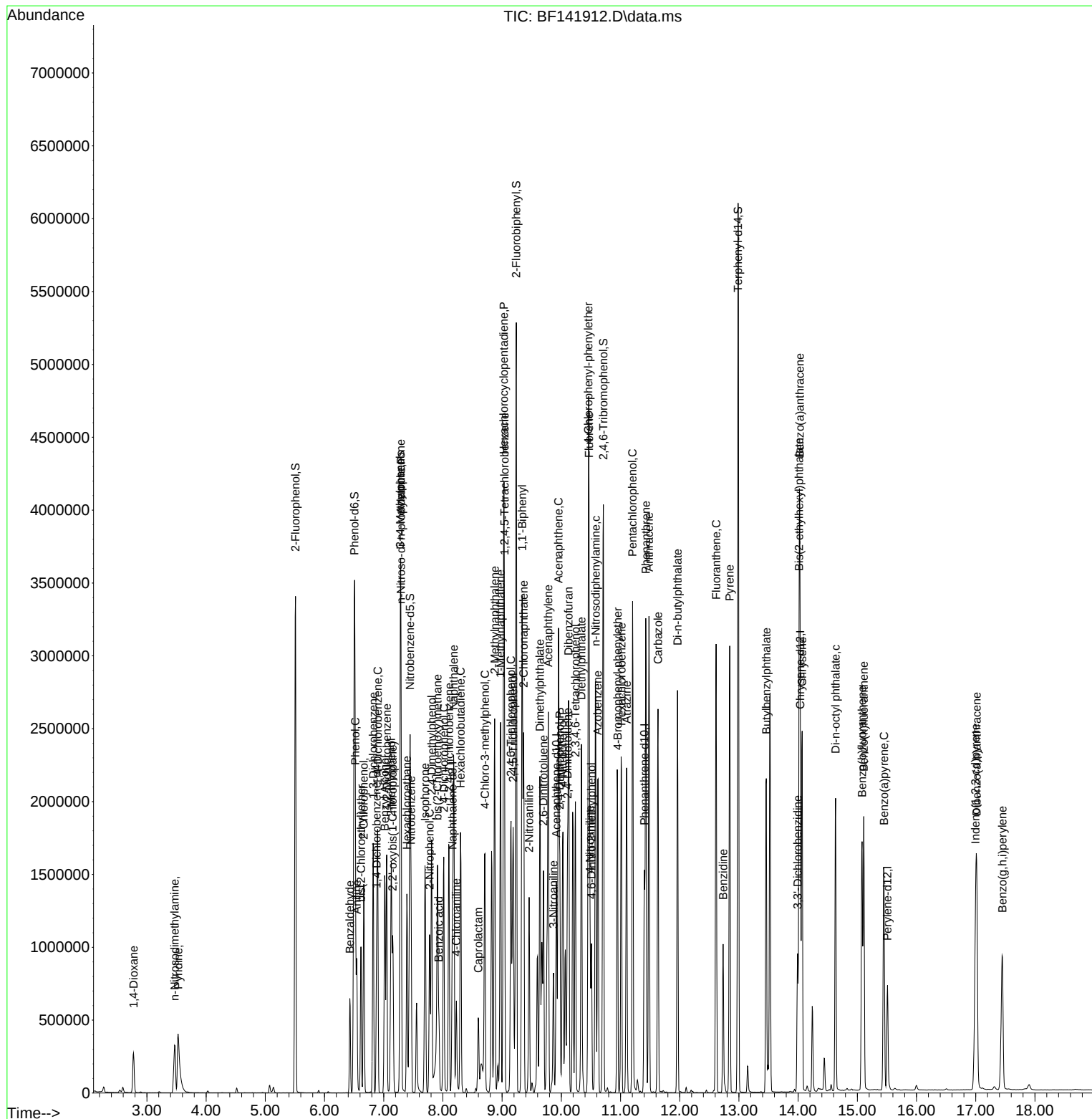
Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/12/2025

Supervised By :Jagrut Upadhyay 03/12/2025

Quant Time: Mar 11 13:13:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
 Data File : BF141875.D
 Acq On : 06 Mar 2025 18:29
 Operator : RC/JU
 Sample : Q1492-01MS
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

RHL1PXIMS

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/07/2025

Supervised By :Jagrut Upadhyay 03/07/2025

Quant Time: Mar 07 00:19:09 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Feb 28 01:48:16 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	160920	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	614399	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	327791	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	514725	20.000	ng	0.00
76) Chrysene-d12	14.045	240	396501	20.000	ng	0.00
86) Perylene-d12	15.521	264	380301	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	1072286	106.415	ng	0.00
7) Phenol-d6	6.510	99	1361285	103.793	ng	0.00
23) Nitrobenzene-d5	7.445	82	886021	92.179	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	410304	133.330	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	1698653	83.093	ng	0.00
79) Terphenyl-d14	12.992	244	1720119	70.189	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.716	88	192430	42.087	ng	95
3) Pyridine	3.487	79	451397	39.680	ng	95
4) n-Nitrosodimethylamine	3.428	42	227319	41.529	ng	98
6) Aniline	6.546	93	249408	18.292	ng	99
8) 2-Chlorophenol	6.669	128	497950	45.682	ng	95
9) Benzaldehyde	6.434	77	172839	22.656	ng	98
10) Phenol	6.522	94	596749	42.579	ng	99
11) bis(2-Chloroethyl)ether	6.622	93	460201	43.078	ng	95
12) 1,3-Dichlorobenzene	6.828	146	522262	44.739	ng	100
13) 1,4-Dichlorobenzene	6.904	146	531499	45.188	ng	99
14) 1,2-Dichlorobenzene	7.057	146	510305	46.462	ng	98
15) Benzyl Alcohol	7.022	79	441512	42.122	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.157	45	562209	34.653	ng	95
17) 2-Methylphenol	7.134	107	394772	43.876	ng	99
18) Hexachloroethane	7.398	117	196768	44.696	ng	98
19) n-Nitroso-di-n-propyla...	7.293	70	337684	39.167	ng	98
20) 3+4-Methylphenols	7.281	107	501845	44.793	ng	95
22) Acetophenone	7.293	105	740981	49.518	ng	98
24) Nitrobenzene	7.463	77	518479	50.372	ng	99
25) Isophorone	7.704	82	918421	44.476	ng	98
26) 2-Nitrophenol	7.781	139	255193	54.789	ng	97
27) 2,4-Dimethylphenol	7.810	122	424429	55.914	ng	99
28) bis(2-Chloroethoxy)met...	7.910	93	553095	41.988	ng	99
29) 2,4-Dichlorophenol	8.016	162	405334	46.287	ng	100
30) 1,2,4-Trichlorobenzene	8.104	180	444064	46.277	ng	100
31) Naphthalene	8.187	128	1423827	45.090	ng	99
32) Benzoic acid	7.922	122	312587	49.124	ng	98
33) 4-Chloroaniline	8.234	127	94953	8.201	ng	98
34) Hexachlorobutadiene	8.304	225	285961	47.957	ng	99
35) Caprolactam	8.598	113	135693m	50.370	ng	
36) 4-Chloro-3-methylphenol	8.710	107	441335	45.368	ng	99
37) 2-Methylnaphthalene	8.881	142	900126	43.459	ng	99
38) 1-Methylnaphthalene	8.975	142	867480	43.649	ng	99
40) 1,2,4,5-Tetrachloroben...	9.045	216	500515	52.870	ng	99
41) Hexachlorocyclopentadiene	9.034	237	622167	157.478	ng	99
43) 2,4,6-Trichlorophenol	9.151	196	298404	48.796	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
 Data File : BF141875.D
 Acq On : 06 Mar 2025 18:29
 Operator : RC/JU
 Sample : Q1492-01MS
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

RHL1PXIMS

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/07/2025

Supervised By :Jagrut Upadhyay 03/07/2025

Quant Time: Mar 07 00:19:09 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Feb 28 01:48:16 2025

Response via : Initial Calibration

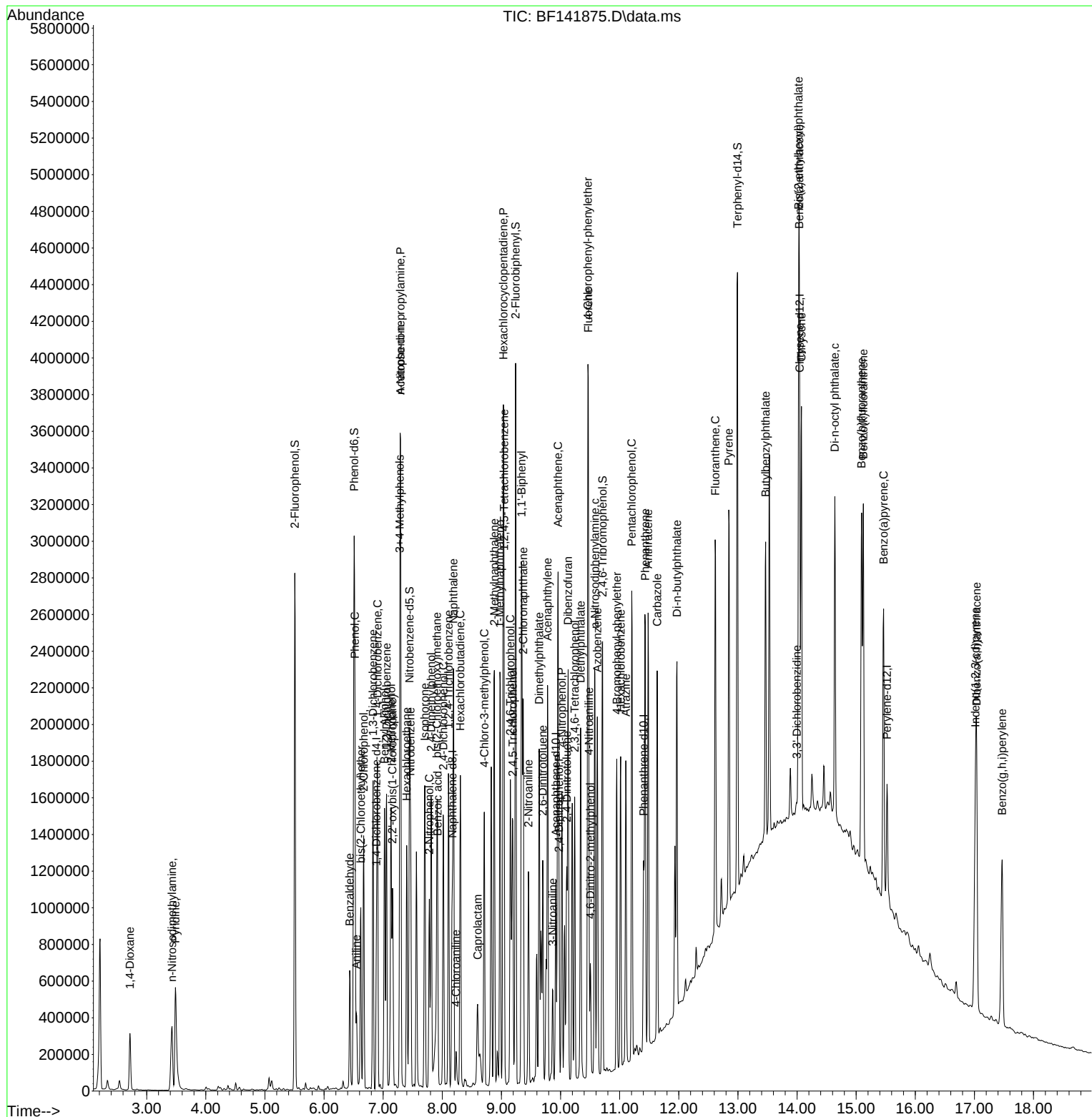
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	305173	50.396	ng	98
46) 1,1'-Biphenyl	9.339	154	1283855	51.457	ng	98
47) 2-Chloronaphthalene	9.369	162	870356	47.263	ng	99
48) 2-Nitroaniline	9.457	65	268692	52.825	ng	96
49) Acenaphthylene	9.781	152	1309470	47.427	ng	99
50) Dimethylphthalate	9.639	163	1031160	46.975	ng	100
51) 2,6-Dinitrotoluene	9.698	165	218829	51.868	ng	96
52) Acenaphthene	9.957	154	946830	50.823	ng	98
53) 3-Nitroaniline	9.869	138	111967	26.451	ng	# 93
54) 2,4-Dinitrophenol	9.975	184	182172	90.344	ng	# 1
55) Dibenzofuran	10.128	168	1220087	44.996	ng	100
56) 4-Nitrophenol	10.022	139	360637	111.235	ng	96
57) 2,4-Dinitrotoluene	10.104	165	284152	54.855	ng	91
58) Fluorene	10.469	166	940964	46.327	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.239	232	259856	49.341	ng	99
60) Diethylphthalate	10.339	149	1006514	45.738	ng	99
61) 4-Chlorophenyl-phenyle...	10.463	204	477960	46.967	ng	99
62) 4-Nitroaniline	10.481	138	171647	45.787	ng	96
63) Azobenzene	10.622	77	1016465	43.869	ng	95
65) 4,6-Dinitro-2-methylph...	10.504	198	111456	46.324	ng	95
66) n-Nitrosodiphenylamine	10.581	169	816711	48.321	ng	100
67) 4-Bromophenyl-phenylether	10.951	248	296950	49.391	ng	98
68) Hexachlorobenzene	11.016	284	323594	50.970	ng	98
69) Atrazine	11.104	200	307329	66.122	ng	100
70) Pentachlorophenol	11.204	266	407741	101.263	ng	99
71) Phenanthrene	11.433	178	1319085	47.910	ng	99
72) Anthracene	11.480	178	1309109	47.442	ng	99
73) Carbazole	11.633	167	1129474	46.352	ng	100
74) Di-n-butylphthalate	11.969	149	1383879	44.803	ng	99
75) Fluoranthene	12.616	202	1278363	45.313	ng	97
78) Pyrene	12.845	202	1307373	38.077	ng	100
80) Butylbenzylphthalate	13.469	149	543208	43.545	ng	97
81) Benzo(a)anthracene	14.039	228	1226272	46.823	ng	99
82) 3,3'-Dichlorobenzidine	13.998	252	13153	1.750	ng	# 85
83) Chrysene	14.074	228	1092883	45.269	ng	99
84) Bis(2-ethylhexyl)phtha...	14.027	149	710459	45.740	ng	99
85) Di-n-octyl phthalate	14.639	149	1223350	52.608	ng	# 95
87) Indeno(1,2,3-cd)pyrene	17.015	276	1141147	47.123	ng	95
88) Benzo(b)fluoranthene	15.092	252	1197920	46.243	ng	99
89) Benzo(k)fluoranthene	15.121	252	1126756	51.174	ng	99
90) Benzo(a)pyrene	15.463	252	1030329	49.594	ng	99
91) Dibenzo(a,h)anthracene	17.039	278	961619	48.648	ng	96
92) Benzo(g,h,i)perylene	17.468	276	851415	42.044	ng	95

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

Instrument :
BNA_F
ClientSampleId :
RHL1PXIMS

Manual Integrations

Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jaqrut Upadhyay 03/07/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
 Data File : BF141876.D
 Acq On : 06 Mar 2025 18:58
 Operator : RC/JU
 Sample : Q1492-01MSD
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

RHL1PXIMSD

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/07/2025

Supervised By :Jagrut Upadhyay 03/07/2025

Quant Time: Mar 07 00:20:15 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Feb 28 01:48:16 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	165879	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	641339	20.000	ng	# 0.00
39) Acenaphthene-d10	9.922	164	343104	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	535087	20.000	ng	0.00
76) Chrysene-d12	14.045	240	408916	20.000	ng	0.00
86) Perylene-d12	15.521	264	392870	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	1053716	101.446	ng	0.00
7) Phenol-d6	6.510	99	1349756	99.837	ng	0.00
23) Nitrobenzene-d5	7.445	82	885873	88.292	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	412077	127.930	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	1701534	79.519	ng	0.00
79) Terphenyl-d14	12.992	244	1738196	68.774	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.722	88	189030	40.108	ng	96
3) Pyridine	3.493	79	439346	37.466	ng	96
4) n-Nitrosodimethylamine	3.428	42	225946	40.044	ng	# 95
6) Aniline	6.545	93	263363	18.738	ng	98
8) 2-Chlorophenol	6.669	128	496022	44.145	ng	95
9) Benzaldehyde	6.434	77	172920	21.989	ng	98
10) Phenol	6.522	94	595810	41.241	ng	99
11) bis(2-Chloroethyl)ether	6.622	93	448513	40.728	ng	95
12) 1,3-Dichlorobenzene	6.828	146	527851	43.866	ng	99
13) 1,4-Dichlorobenzene	6.904	146	525467	43.339	ng	100
14) 1,2-Dichlorobenzene	7.057	146	502115	44.349	ng	99
15) Benzyl Alcohol	7.022	79	439921	40.715	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.157	45	556085	33.251	ng	95
17) 2-Methylphenol	7.134	107	393992	42.480	ng	99
18) Hexachloroethane	7.398	117	195738	43.133	ng	98
19) n-Nitroso-di-n-propyla...	7.293	70	335961	37.803	ng	98
20) 3+4-Methylphenols	7.281	107	498449	43.160	ng	95
22) Acetophenone	7.293	105	735580	47.093	ng	99
24) Nitrobenzene	7.463	77	517248	48.141	ng	99
25) Isophorone	7.704	82	922364	42.790	ng	99
26) 2-Nitrophenol	7.781	139	253903	52.435	ng	97
27) 2,4-Dimethylphenol	7.816	122	418965	52.875	ng	98
28) bis(2-Chloroethoxy)met...	7.910	93	547974	39.852	ng	99
29) 2,4-Dichlorophenol	8.016	162	406039	44.420	ng	100
30) 1,2,4-Trichlorobenzene	8.104	180	440747	44.002	ng	100
31) Naphthalene	8.187	128	1426633	43.281	ng	99
32) Benzoic acid	7.922	122	297673	45.490	ng	97
33) 4-Chloroaniline	8.234	127	98459	8.147	ng	98
34) Hexachlorobutadiene	8.304	225	284215	45.662	ng	99
35) Caprolactam	8.598	113	130837m	46.527	ng	
36) 4-Chloro-3-methylphenol	8.710	107	437995	43.133	ng	99
37) 2-Methylnaphthalene	8.881	142	895702	41.429	ng	100
38) 1-Methylnaphthalene	8.981	142	871992	42.033	ng	98
40) 1,2,4,5-Tetrachloroben...	9.045	216	501259	50.585	ng	99
41) Hexachlorocyclopentadiene	9.034	237	621666	150.328	ng	100
43) 2,4,6-Trichlorophenol	9.151	196	293240	45.812	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
 Data File : BF141876.D
 Acq On : 06 Mar 2025 18:58
 Operator : RC/JU
 Sample : Q1492-01MSD
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

RHL1PXIMSD

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/07/2025

Supervised By :Jagrut Upadhyay 03/07/2025

Quant Time: Mar 07 00:20:15 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Feb 28 01:48:16 2025

Response via : Initial Calibration

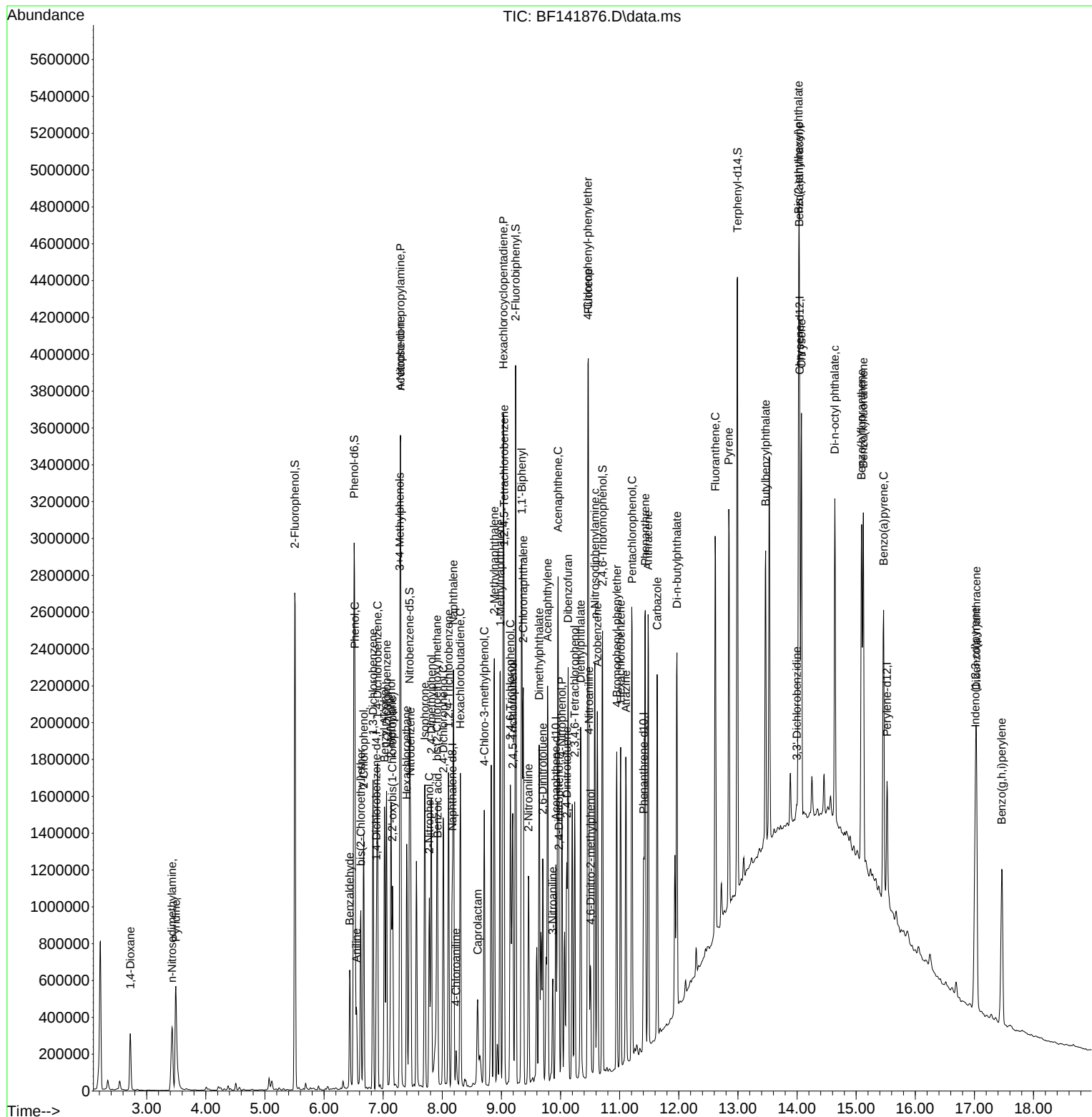
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	302356	47.702	ng	98
46) 1,1'-Biphenyl	9.345	154	1284202	49.174	ng	98
47) 2-Chloronaphthalene	9.369	162	873028	45.293	ng	99
48) 2-Nitroaniline	9.457	65	270419	50.959	ng	97
49) Acenaphthylene	9.781	152	1310365	45.342	ng	100
50) Dimethylphthalate	9.639	163	1047770	45.601	ng	100
51) 2,6-Dinitrotoluene	9.698	165	218549	49.620	ng	97
52) Acenaphthene	9.957	154	940623	48.237	ng	99
53) 3-Nitroaniline	9.869	138	123441	27.702	ng	# 92
54) 2,4-Dinitrophenol	9.975	184	175151	84.922	ng	# 1
55) Dibenzofuran	10.128	168	1220355	42.997	ng	100
56) 4-Nitrophenol	10.022	139	345342	101.763	ng	97
57) 2,4-Dinitrotoluene	10.104	165	287461	53.135	ng	91
58) Fluorene	10.469	166	943758	44.391	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.239	232	252533	45.810	ng	99
60) Diethylphthalate	10.339	149	1012899	43.974	ng	99
61) 4-Chlorophenyl-phenyle...	10.463	204	479447	45.010	ng	99
62) 4-Nitroaniline	10.481	138	173517	44.221	ng	98
63) Azobenzene	10.622	77	1021007	42.098	ng	95
65) 4,6-Dinitro-2-methylph...	10.510	198	112730	45.291	ng	89
66) n-Nitrosodiphenylamine	10.581	169	822515	46.813	ng	99
67) 4-Bromophenyl-phenylether	10.951	248	294514	47.122	ng	99
68) Hexachlorobenzene	11.016	284	325688	49.348	ng	98
69) Atrazine	11.104	200	310940	64.353	ng	100
70) Pentachlorophenol	11.210	266	399912	95.539	ng	99
71) Phenanthrene	11.433	178	1307483	45.681	ng	100
72) Anthracene	11.480	178	1306433	45.543	ng	99
73) Carbazole	11.633	167	1115639	44.042	ng	99
74) Di-n-butylphthalate	11.969	149	1414226	44.044	ng	99
75) Fluoranthene	12.616	202	1276768	43.534	ng	97
78) Pyrene	12.845	202	1302226	36.776	ng	99
80) Butylbenzylphthalate	13.469	149	536612	41.711	ng	98
81) Benzo(a)anthracene	14.039	228	1209514	44.781	ng	99
82) 3,3'-Dichlorobenzidine	13.998	252	20307	2.621	ng	# 87
83) Chrysene	14.074	228	1084992	43.577	ng	99
84) Bis(2-ethylhexyl)phtha...	14.027	149	725244	45.274	ng	99
85) Di-n-octyl phthalate	14.639	149	1216781	50.737	ng	96
87) Indeno(1,2,3-cd)pyrene	17.015	276	1066521	42.632	ng	95
88) Benzo(b)fluoranthene	15.092	252	1168709	43.672	ng	99
89) Benzo(k)fluoranthene	15.121	252	1105159	48.587	ng	99
90) Benzo(a)pyrene	15.463	252	1023157	47.673	ng	99
91) Dibenzo(a,h)anthracene	17.033	278	901828	44.164	ng	97
92) Benzo(g,h,i)perylene	17.462	276	791785	37.849	ng	96

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

Instrument :
BNA_F
ClientSampleId :
RHL1PXIMSD

Manual Integrations

Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jaqrut Upadhyay 03/07/2025



Manual Integration Report

Sequence:

BF022725

Instrument

BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BF141794.D	Aniline	yogesh	2/28/2025 7:30:31 AM	mohammad	2/28/2025 7:32:51 AM	Peak Integrated by Software
SSTDICC005	BF141794.D	Phenol	yogesh	2/28/2025 7:30:31 AM	mohammad	2/28/2025 7:32:51 AM	Peak Integrated by Software
SSTDICC010	BF141795.D	Phenol	yogesh	2/28/2025 7:30:34 AM	mohammad	2/28/2025 7:32:51 AM	Peak Integrated by Software
SSTDICC020	BF141796.D	Phenol	yogesh	2/28/2025 7:30:37 AM	mohammad	2/28/2025 7:32:51 AM	Peak Integrated by Software
SSTDICCC040	BF141797.D	Caprolactam	yogesh	2/28/2025 7:30:40 AM	mohammad	2/28/2025 7:32:51 AM	Peak Integrated by Software
SSTDICC080	BF141800.D	Aniline	yogesh	2/28/2025 7:30:43 AM	mohammad	2/28/2025 7:32:51 AM	Peak Integrated by Software
SSTDICC080	BF141800.D	Phenol	yogesh	2/28/2025 7:30:43 AM	mohammad	2/28/2025 7:32:51 AM	Peak Integrated by Software

Manual Integration Report

Sequence:

bf030625

Instrument

BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1492-01MS	BF141875.D	Caprolactam	anahy	3/7/2025 9:04:27 AM	Jagrut	3/7/2025 9:43:00 AM	Peak Integrated by Software
Q1492-01MSD	BF141876.D	Caprolactam	anahy	3/7/2025 9:05:13 AM	Jagrut	3/7/2025 9:43:02 AM	Peak Integrated by Software



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

Manual Integration Report

Sequence:	BF031025	Instrument	BNA_f
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC080	BF141904.D	Caprolactam	anahy	3/11/2025 9:10:54 AM	Jagrut	3/11/2025 10:18:21 AM	Peak Integrated by Software



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

Manual Integration Report

Sequence:	BF031125	Instrument	BNA_f
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB167012BS	BF141912.D	Caprolactam	anahy	3/12/2025 10:18:48 AM	Jagrut	3/12/2025 11:14:13 AM	Peak Integrated by Software

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF022725

Review By	yogesh	Review On	2/28/2025 7:30:58 AM
Supervise By	mohammad	Supervise On	2/28/2025 7:32:51 AM
SubDirectory	BF022725	HP Acquire Method	BNA_F
		HP Processing Method	bf022725
STD. NAME	STD REF.#		
Tune/Reschk	SP6717		
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729		
CCC	SP6725		
Internal Standard/PEM	S12653,10ul/1000ul sample		
ICV/I.BLK	SP6686		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141792.D	27 Feb 2025 14:47	RC/JU	Ok
2	SSTDICC2.5	BF141793.D	27 Feb 2025 15:17	RC/JU	Ok
3	SSTDICC005	BF141794.D	27 Feb 2025 15:46	RC/JU	Ok,M
4	SSTDICC010	BF141795.D	27 Feb 2025 16:16	RC/JU	Ok,M
5	SSTDICC020	BF141796.D	27 Feb 2025 16:46	RC/JU	Ok,M
6	SSTDICCC040	BF141797.D	27 Feb 2025 17:16	RC/JU	Ok,M
7	SSTDICC050	BF141798.D	27 Feb 2025 17:46	RC/JU	Ok
8	SSTDICC060	BF141799.D	27 Feb 2025 18:15	RC/JU	Ok
9	SSTDICC080	BF141800.D	27 Feb 2025 18:45	RC/JU	Ok,M
10	SSTDICV040	BF141801.D	27 Feb 2025 19:45	RC/JU	Ok
11	PB166879TB	BF141802.D	27 Feb 2025 20:44	RC/JU	Ok

M : Manual Integration

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF030625

Review By	anahy	Review On	3/7/2025 9:16:56 AM
Supervise By	Jagrut	Supervise On	3/7/2025 9:43:33 AM
SubDirectory	BF030625	HP Acquire Method	BNA_F
		HP Processing Method	bf022725
STD. NAME	STD REF.#		
Tune/Reschk	SP6717		
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729		
CCC	SP6725		
Internal Standard/PEM	S12653,10ul/1000ul sample		
ICV/I.BLK	SP6686		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141857.D	06 Mar 2025 08:34	RC/JU	Ok
2	SSTDCCC040	BF141858.D	06 Mar 2025 09:52	RC/JU	Ok
3	PB166984BL	BF141859.D	06 Mar 2025 10:22	RC/JU	Ok
4	PB166984BS	BF141860.D	06 Mar 2025 10:52	RC/JU	Ok,M
5	PB166982BL	BF141861.D	06 Mar 2025 11:21	RC/JU	Ok
6	PB166982BS	BF141862.D	06 Mar 2025 11:51	RC/JU	Ok,M
7	PB166982BSD	BF141863.D	06 Mar 2025 12:21	RC/JU	Ok,M
8	Q1488-07	BF141864.D	06 Mar 2025 13:01	RC/JU	Ok
9	Q1488-01	BF141865.D	06 Mar 2025 13:31	RC/JU	Ok
10	Q1489-05	BF141866.D	06 Mar 2025 14:01	RC/JU	Ok,M
11	Q1478-01	BF141867.D	06 Mar 2025 14:31	RC/JU	Ok
12	Q1478-07	BF141868.D	06 Mar 2025 15:01	RC/JU	Ok
13	Q1478-05	BF141869.D	06 Mar 2025 15:30	RC/JU	Ok
14	Q1488-14	BF141870.D	06 Mar 2025 16:00	RC/JU	Ok
15	Q1488-13	BF141871.D	06 Mar 2025 16:29	RC/JU	Ok
16	Q1478-03	BF141872.D	06 Mar 2025 16:59	RC/JU	Ok
17	Q1484-06	BF141873.D	06 Mar 2025 17:29	RC/JU	Ok
18	Q1492-01	BF141874.D	06 Mar 2025 17:59	RC/JU	Ok
19	Q1492-01MS	BF141875.D	06 Mar 2025 18:29	RC/JU	Ok,M
20	Q1492-01MSD	BF141876.D	06 Mar 2025 18:58	RC/JU	Ok,M
21	Q1494-05	BF141877.D	06 Mar 2025 19:28	RC/JU	Ok

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF030625

Review By	anahy	Review On	3/7/2025 9:16:56 AM		
Supervise By	Jagrut	Supervise On	3/7/2025 9:43:33 AM		
SubDirectory	BF030625	HP Acquire Method	BNA_F	HP Processing Method	bf022725
STD. NAME		STD REF.#			
Tune/Reschk		SP6717			
Initial Calibration Stds		SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729			
CCC		SP6725			
Internal Standard/PEM		S12653,10ul/1000ul sample			
ICV/I.BLK		SP6686			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

22	Q1494-07	BF141878.D	06 Mar 2025 19:58	RC/JU	Ok
23	Q1490-01	BF141879.D	06 Mar 2025 20:27	RC/JU	Ok,M
24	Q1484-01DL	BF141880.D	06 Mar 2025 20:57	RC/JU	Not Ok

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF031025

Review By	anahy	Review On	3/11/2025 9:11:47 AM
Supervise By	Jagrut	Supervise On	3/11/2025 10:18:40 AM
SubDirectory	BF031025	HP Acquire Method	BNA_F
		HP Processing Method	bf031025
STD. NAME	STD REF.#		
Tune/Reschk	SP6717		
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729		
CCC	SP6725		
Internal Standard/PEM	S12653,10ul/1000ul sample		
ICV/I.BLK	SP6686		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141896.D	10 Mar 2025 10:31	RC/JU	Ok
2	SSTDICC2.5	BF141897.D	10 Mar 2025 11:01	RC/JU	Ok
3	SSTDICC005	BF141898.D	10 Mar 2025 11:30	RC/JU	Ok
4	SSTDICC010	BF141899.D	10 Mar 2025 12:00	RC/JU	Ok
5	SSTDICC020	BF141900.D	10 Mar 2025 12:29	RC/JU	Ok
6	SSTDICCC040	BF141901.D	10 Mar 2025 12:58	RC/JU	Ok
7	SSTDICC050	BF141902.D	10 Mar 2025 13:28	RC/JU	Not Ok
8	SSTDICC060	BF141903.D	10 Mar 2025 13:57	RC/JU	Ok
9	SSTDICC080	BF141904.D	10 Mar 2025 14:27	RC/JU	Ok,M
10	SSTDICC050	BF141905.D	10 Mar 2025 15:20	RC/JU	Ok
11	SSTDICV040	BF141906.D	10 Mar 2025 15:53	RC/JU	Ok
12	PB167012BL	BF141907.D	10 Mar 2025 17:09	RC/JU	Ok
13	SP6752	BF141908.D	10 Mar 2025 17:39	RC/JU	Ok,M

M : Manual Integration

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF031125

Review By	anahy	Review On	3/12/2025 10:51:52 AM
Supervise By	Jagrut	Supervise On	3/12/2025 11:14:52 AM
SubDirectory	BF031125	HP Acquire Method	BNA_F
		HP Processing Method	bf031025
STD. NAME	STD REF.#		
Tune/Reschk	SP6717		
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729		
CCC	SP6725		
Internal Standard/PEM	S12653,10ul/1000ul sample		
ICV/I.BLK	SP6686		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141909.D	11 Mar 2025 10:52	RC/JU	Ok
2	SSTDCCC040	BF141910.D	11 Mar 2025 11:51	RC/JU	Ok
3	PB167045BL	BF141911.D	11 Mar 2025 12:21	RC/JU	Ok
4	PB167012BS	BF141912.D	11 Mar 2025 12:51	RC/JU	Ok,M
5	PB167078BL	BF141913.D	11 Mar 2025 13:20	RC/JU	Ok
6	PB167078BS	BF141914.D	11 Mar 2025 13:50	RC/JU	Ok,M
7	Q1514-05	BF141915.D	11 Mar 2025 14:26	RC/JU	Ok
8	Q1507-01	BF141916.D	11 Mar 2025 14:56	RC/JU	Dilution
9	Q1508-01	BF141917.D	11 Mar 2025 15:26	RC/JU	Ok,M
10	Q1514-01	BF141918.D	11 Mar 2025 16:12	RC/JU	Ok,M
11	Q1534-06	BF141919.D	11 Mar 2025 16:42	RC/JU	Ok
12	Q1534-12	BF141920.D	11 Mar 2025 17:12	RC/JU	Ok
13	Q1534-18	BF141921.D	11 Mar 2025 17:42	RC/JU	Ok
14	Q1534-24	BF141922.D	11 Mar 2025 18:12	RC/JU	Ok,M
15	Q1534-03	BF141923.D	11 Mar 2025 18:42	RC/JU	Not Ok
16	Q1515-01	BF141924.D	11 Mar 2025 19:12	RC/JU	Ok,M
17	Q1534-07	BF141925.D	11 Mar 2025 19:42	RC/JU	Not Ok
18	Q1534-01	BF141926.D	11 Mar 2025 20:12	RC/JU	Ok,M
19	Q1507-01DL	BF141927.D	11 Mar 2025 20:42	RC/JU	Not Ok
20	Q1535-01	BF141928.D	11 Mar 2025 21:12	RC/JU	Ok,M
21	Q1494-03	BF141929.D	11 Mar 2025 21:42	RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF022725

Review By	yogesh	Review On	2/28/2025 7:30:58 AM		
Supervise By	mohammad	Supervise On	2/28/2025 7:32:51 AM		
SubDirectory	BF022725	HP Acquire Method	BNA_F	HP Processing Method	bf022725
STD. NAME		STD REF.#			
Tune/Reschk		SP6717			
Initial Calibration Stds		SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729			
CCC		SP6725			
Internal Standard/PEM		S12653,10ul/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	BF141792.D	27 Feb 2025 14:47		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF141793.D	27 Feb 2025 15:17		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF141794.D	27 Feb 2025 15:46	Compound #32,54,65,77 removed from 5ppm	RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BF141795.D	27 Feb 2025 16:16	Compound #26,32,48,51,53,57,65 Kept on LR and Compound #54 Kept on QR	RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BF141796.D	27 Feb 2025 16:46	The Calibration is Fail for Com#77	RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BF141797.D	27 Feb 2025 17:16	The Calibration is Good For 8270E, 8270 DOD Except com#77 and 625.1 Method Except for Com#77	RC/JU	Ok,M
7	SSTDICC050	SSTDICC050	BF141798.D	27 Feb 2025 17:46		RC/JU	Ok
8	SSTDICC060	SSTDICC060	BF141799.D	27 Feb 2025 18:15		RC/JU	Ok
9	SSTDICC080	SSTDICC080	BF141800.D	27 Feb 2025 18:45	Compound #69 removed from 80ppm	RC/JU	Ok,M
10	SSTDICV040	ICVBF022725	BF141801.D	27 Feb 2025 19:45	ICV Fail for Com#56,62,77 for DOD and ICV Fail for Com#77 for NON- DOD	RC/JU	Ok
11	PB166879TB	PB166879TB	BF141802.D	27 Feb 2025 20:44		RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF030625

Review By	anahy	Review On	3/7/2025 9:16:56 AM		
Supervise By	Jagrut	Supervise On	3/7/2025 9:43:33 AM		
SubDirectory	BF030625	HP Acquire Method	BNA_F	HP Processing Method	bf022725
STD. NAME		STD REF.#			
Tune/Reschk		SP6717			
Initial Calibration Stds		SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729			
CCC		SP6725			
Internal Standard/PEM		S12653,10ul/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	BF141857.D	06 Mar 2025 08:34		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF141858.D	06 Mar 2025 09:52		RC/JU	Ok
3	PB166984BL	PB166984BL	BF141859.D	06 Mar 2025 10:22		RC/JU	Ok
4	PB166984BS	PB166984BS	BF141860.D	06 Mar 2025 10:52		RC/JU	Ok,M
5	PB166982BL	PB166982BL	BF141861.D	06 Mar 2025 11:21		RC/JU	Ok
6	PB166982BS	PB166982BS	BF141862.D	06 Mar 2025 11:51		RC/JU	Ok,M
7	PB166982BSD	PB166982BSD	BF141863.D	06 Mar 2025 12:21		RC/JU	Ok,M
8	Q1488-07	ENV-102-SB02	BF141864.D	06 Mar 2025 13:01		RC/JU	Ok
9	Q1488-01	ENV-101-SB01	BF141865.D	06 Mar 2025 13:31		RC/JU	Ok
10	Q1489-05	TP-2	BF141866.D	06 Mar 2025 14:01		RC/JU	Ok,M
11	Q1478-01	IDW-AQ-MW-19B-COM	BF141867.D	06 Mar 2025 14:31		RC/JU	Ok
12	Q1478-07	IDW-AQ-IW-03-COMP	BF141868.D	06 Mar 2025 15:01		RC/JU	Ok
13	Q1478-05	IDW-AQ-IW-02-COMP	BF141869.D	06 Mar 2025 15:30		RC/JU	Ok
14	Q1488-14	ENV-104-GW01	BF141870.D	06 Mar 2025 16:00		RC/JU	Ok
15	Q1488-13	ENV-102-GW01	BF141871.D	06 Mar 2025 16:29		RC/JU	Ok
16	Q1478-03	IDW-AQ-IW-01-COMP	BF141872.D	06 Mar 2025 16:59		RC/JU	Ok
17	Q1484-06	TR-OTR-COMP-01	BF141873.D	06 Mar 2025 17:29		RC/JU	Ok
18	Q1492-01	RHL1PXI	BF141874.D	06 Mar 2025 17:59		RC/JU	Ok

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF030625

Review By	anahy	Review On	3/7/2025 9:16:56 AM		
Supervise By	Jagrut	Supervise On	3/7/2025 9:43:33 AM		
SubDirectory	BF030625	HP Acquire Method	BNA_F	HP Processing Method	bf022725
STD. NAME	STD REF.#				
Tune/Reschk	SP6717				
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729				
CCC	SP6725				
Internal Standard/PEM	S12653,10ul/1000ul sample				
ICV/I.BLK	SP6686				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

19	Q1492-01MS	RHL1PXIMS	BF141875.D	06 Mar 2025 18:29		RC/JU	Ok,M
20	Q1492-01MSD	RHL1PXIMSD	BF141876.D	06 Mar 2025 18:58		RC/JU	Ok,M
21	Q1494-05	SOIL	BF141877.D	06 Mar 2025 19:28		RC/JU	Ok
22	Q1494-07	SOIL-COMP	BF141878.D	06 Mar 2025 19:58		RC/JU	Ok
23	Q1490-01	CLAY-SLUDGE-DRUM	BF141879.D	06 Mar 2025 20:27		RC/JU	Ok,M
24	Q1484-01DL	TR-OTR-COMP-01DL	BF141880.D	06 Mar 2025 20:57	Out Of Tune Time	RC/JU	Not Ok

M : Manual Integration

A
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K

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF031025

Review By	anahy	Review On	3/11/2025 9:11:47 AM		
Supervise By	Jagrut	Supervise On	3/11/2025 10:18:40 AM		
SubDirectory	BF031025	HP Acquire Method	BNA_F	HP Processing Method	bf031025
STD. NAME		STD REF.#			
Tune/Reschk		SP6717			
Initial Calibration Stds		SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729			
CCC		SP6725			
Internal Standard/PEM		S12653,10ul/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	BF141896.D	10 Mar 2025 10:31		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF141897.D	10 Mar 2025 11:01		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF141898.D	10 Mar 2025 11:30	Compound#9,32,54,65 removed from 5 ppm	RC/JU	Ok
4	SSTDICC010	SSTDICC010	BF141899.D	10 Mar 2025 12:00		RC/JU	Ok
5	SSTDICC020	SSTDICC020	BF141900.D	10 Mar 2025 12:29	Compound #54 Kept on LR, Method is good for DOD . Method failed for compound #77.	RC/JU	Ok
6	SSTDICCC040	SSTDICCC040	BF141901.D	10 Mar 2025 12:58		RC/JU	Ok
7	SSTDICC050	SSTDICC050	BF141902.D	10 Mar 2025 13:28	Not used	RC/JU	Not Ok
8	SSTDICC060	SSTDICC060	BF141903.D	10 Mar 2025 13:57	Compound#69 Removed from 60 ppm	RC/JU	Ok
9	SSTDICC080	SSTDICC080	BF141904.D	10 Mar 2025 14:27	Compound#9,69 Removed from 80 ppm	RC/JU	Ok,M
10	SSTDICC050	SSTDICC050	BF141905.D	10 Mar 2025 15:20		RC/JU	Ok
11	SSTDICV040	ICVBF031025	BF141906.D	10 Mar 2025 15:53		RC/JU	Ok
12	PB167012BL	PB167012BL	BF141907.D	10 Mar 2025 17:09		RC/JU	Ok
13	SP6752	SP6752	BF141908.D	10 Mar 2025 17:39	8270 SPIKE-SP6752	RC/JU	Ok,M

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF031125

Review By	anahy	Review On	3/12/2025 10:51:52 AM
Supervise By	Jagrut	Supervise On	3/12/2025 11:14:52 AM
SubDirectory	BF031125	HP Acquire Method	BNA_F
		HP Processing Method	bf031025
STD. NAME	STD REF.#		
Tune/Reschk	SP6717		
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729		
CCC	SP6725		
Internal Standard/PEM	S12653,10ul/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	BF141909.D	11 Mar 2025 10:52		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF141910.D	11 Mar 2025 11:51	CCC fail high side for com. #77	RC/JU	Ok
3	PB167045BL	PB167045BL	BF141911.D	11 Mar 2025 12:21		RC/JU	Ok
4	PB167012BS	PB167012BS	BF141912.D	11 Mar 2025 12:51		RC/JU	Ok,M
5	PB167078BL	PB167078BL	BF141913.D	11 Mar 2025 13:20		RC/JU	Ok
6	PB167078BS	PB167078BS	BF141914.D	11 Mar 2025 13:50		RC/JU	Ok,M
7	Q1514-05	ENV-103-SB01	BF141915.D	11 Mar 2025 14:26		RC/JU	Ok
8	Q1507-01	50-MIDDLESEX-AVE	BF141916.D	11 Mar 2025 14:56	Need 5X Dilution	RC/JU	Dilution
9	Q1508-01	RBR251372	BF141917.D	11 Mar 2025 15:26	Internal standard failed.	RC/JU	Ok,M
10	Q1514-01	ENV-105-SB01	BF141918.D	11 Mar 2025 16:12		RC/JU	Ok,M
11	Q1534-06	OR-363-COMP-16	BF141919.D	11 Mar 2025 16:42		RC/JU	Ok
12	Q1534-12	OR-363-COMP-17	BF141920.D	11 Mar 2025 17:12		RC/JU	Ok
13	Q1534-18	OR-363-COMP-18	BF141921.D	11 Mar 2025 17:42		RC/JU	Ok
14	Q1534-24	OR-363OR-363-COMP	BF141922.D	11 Mar 2025 18:12		RC/JU	Ok,M
15	Q1534-03	OR-363-46	BF141923.D	11 Mar 2025 18:42	Test is not present on login page	RC/JU	Not Ok
16	Q1515-01	AU-06-030625	BF141924.D	11 Mar 2025 19:12		RC/JU	Ok,M
17	Q1534-07	OR-363-COMP-17	BF141925.D	11 Mar 2025 19:42	Need Straight Run	RC/JU	Not Ok
18	Q1534-01	OR-363-COMP-16	BF141926.D	11 Mar 2025 20:12	Internal Standard Fail	RC/JU	Ok,M

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF031125

Review By	anahy	Review On	3/12/2025 10:51:52 AM		
Supervise By	Jagrut	Supervise On	3/12/2025 11:14:52 AM		
SubDirectory	BF031125	HP Acquire Method	BNA_F	HP Processing Method	bf031025
STD. NAME	STD REF.#				
Tune/Reschk	SP6717				
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729				
CCC	SP6725				
Internal Standard/PEM	S12653,10ul/1000ul sample				
ICV/I.BLK	SP6686				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

19	Q1507-01DL	50-MIDDLESEX-AVED	BF141927.D	11 Mar 2025 20:42	Internal Standard Fail	RC/JU	Not Ok
20	Q1535-01	SU-03-03102025	BF141928.D	11 Mar 2025 21:12	Internal Standard Fail	RC/JU	Ok,M
21	Q1494-03	ASPHALT-SOIL	BF141929.D	11 Mar 2025 21:42	Internal Standard Fail	RC/JU	Ok

M : Manual Integration

SOP ID:	M3541-ASE Extraction-14		
Clean Up SOP #:	N/A	Extraction Start Date :	03/06/2025
Matrix :	Solid	Extraction Start Time :	09:10
Weigh By:	EH	Extraction By:	RJ
Balance check:	RJ	Filter By:	RJ
Balance ID:	EX-SC-2	pH Meter ID:	N/A
pH Strip Lot#:	N/A	Hood ID:	3,7
Extraction Method:	☐ Separatory Funnel ☐ Continuous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☒ Soxhlet		
Extraction End Date :	03/06/2025		
Extraction End Time :	12:10		
Concentration By:	EH		
Supervisor By :	RUPESH		

Standard 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	EP2591
Baked Na2SO4	N/A	EP2590
Methylene Chloride	N/A	E3878
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. Q1494-03 Used 30gm. as sample is tar matrix.

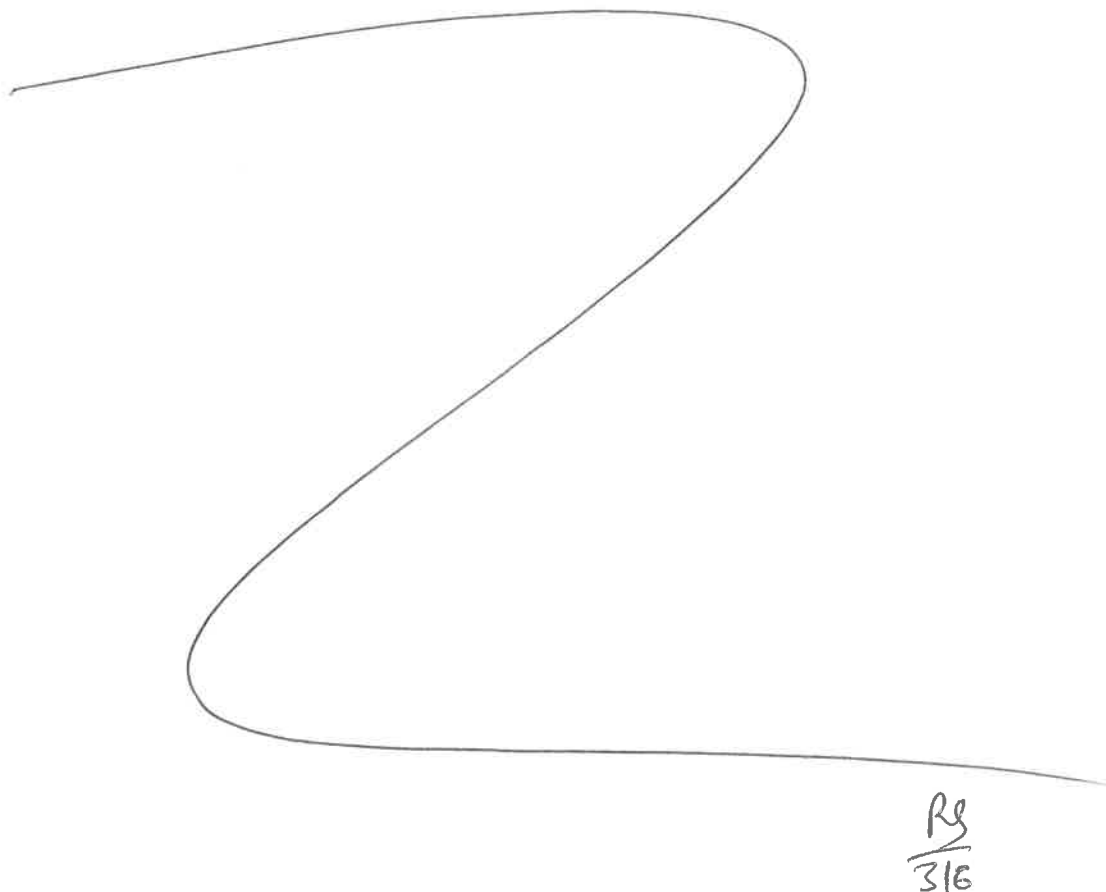
KD Bath ID:	N/A	Envap ID:	NEVAP-02
KD Bath Temperature:	N/A	Envap Temperature:	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
3/6/25	RS (EGG-Lab)	RCLSVOC
12:15	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 03/06/2025

Sample ID	Client Sample ID	Test	g/ mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167012BL	SBLK012	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1			U4-1
PB167012BS	SLCS012	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1			2
Q1490-01	CLAY-SLUDGE-DRUMS	SVOC-TCL BNA -20	50.05	N/A	ritesh	Evelyn	1	E		3
Q1492-01	RHL1PXI	SVOC-PAH	30.03	N/A	ritesh	Evelyn	1			4
Q1492-01MS	RHL1PXIMS	SVOC-PAH	30.08	N/A	ritesh	Evelyn	1			5
Q1492-01MS D	RHL1PXIMSD	SVOC-PAH	30.05	N/A	ritesh	Evelyn	1			6
Q1494-03	ASPHALT-SOIL	SVOC-TCL BNA -20	30.04	N/A	ritesh	Evelyn	1	C	Tar+Soil	U6-1
Q1494-05	SOIL	SVOC-TCL BNA -20	50.06	N/A	ritesh	Evelyn	1	C		2
Q1494-07	SOIL-COMP	SVOC-TCL BNA -20	50.07	N/A	ritesh	Evelyn	1	C		3



RS
316

167012
9:10

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1490BN WorkList ID : 188072 Department : Extraction Date : 03-06-2025 08:34:35

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1490-01	CLAY-SLUDGE-DRUMS	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	I21	03/05/2025	8270E
Q1492-01	RHL1PXI	Solid	SVOC-PAH	Cool 4 deg C	GENV01	I21	03/05/2025	8270E
Q1494-03	ASPHALT-SOIL	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	I31	03/05/2025	8270E
Q1494-05	SOIL	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	I31	03/05/2025	8270E
Q1494-07	SOIL-COMP	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	I31	03/05/2025	8270E

Date/Time 03/06/25 8:55
Raw Sample Received by: RJ GELT-Lab
Raw Sample Relinquished by: CP SM

Date/Time 03/06/25 9:30
Raw Sample Received by: CP SM
Raw Sample Relinquished by: RJ GELT-Lab





LAB CHRONICLE

OrderID:	Q1492	OrderDate:	3/5/2025 12:21:00 PM
Client:	G Environmental	Project:	Nelson
Contact:	Gary Landis	Location:	I21

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1492-01	RHL1PXI	SOIL	SVOC-PAH	8270E	03/05/25	03/06/25	03/06/25	03/05/25