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

DATA PACKAGE

SEMI-VOLATILE ORGANICS

PROJECT NAME : NELSON

G ENVIRONMENTAL

8 Carriage Ln

Succasunna, NJ - 07876

Phone No: 973-294-1771

ORDER ID : Q1492

ATTENTION : Gary Landis

Laboratory Certification ID # 20012

Table Of Contents for Q1492

DATA OF KNOWN QUALITY CONFORMANCE/NON-CONFORMANCE SUMMARY QUESTIONNAIRE

Laboratory Name : CHEMTECH

Client : G Environmental

Project Location :

Project Number : Nelson

Laboratory Sample ID(s) : Q1492

Sampling Date(s) : 3/05/2025

List DKQP Methods Used (e.g., 8260,8270, et Cetra) **8270E,SOP**

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the NJDEP Data of Known Quality performance standards?	☑ Yes ☐ No
1A	Were the method specified handling, preservation, and holding time requirements met?	☑ Yes ☐ No
1B	EPH Method: Was the EPH method conducted without significant modifications (see Section 11.3 of respective DKQ methods)	☑ Yes ☐ No ☐ N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☑ Yes ☐ No
3	Were samples received at an appropriate temperature (4±2° C)?	☑ Yes ☐ No ☐ N/A
4	Were all QA/QC performance criteria specified in the NJDEP DKQP standards achieved?	☐ Yes ☑ No
5	a)Were reporting limits specified or referenced on the chain-of-custody or communicated to the laboratory prior to sample receipt? b)Were these reporting limits met?	☑ Yes ☐ No ☑ Yes ☐ No ☐ N/A
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the DKQP documents and/or site-specific QAPP?	☑ Yes ☐ No
7	Are project-specific matrix spikes and/or laboratory duplicates included in this data set?	☑ Yes ☐ No

Notes: For all questions to which the response was “No” (with the exception of question #7), additional information should be provided in an attached narrative. If the answer to question #1, #1A, or #1B is “No”, the data package does not meet the requirements for “Data of Known Quality.”

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Cover Page

Order ID : Q1492

Project ID : Nelson

Client : G Environmental

Lab Sample Number	Client Sample Number
Q1492-01	RHL1PXI

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : APPROVED
By Nimisha Pandya, QA/QC Supervisor at 12:02 pm, Mar 17, 2025

Date: 3/15/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

G Environmental
Project Name: Nelson
Project # N/A
Chemtech Project # Q1492
Test Name: SVOC-PAH

A. Number of Samples and Date of Receipt:
1 Solid sample was received on 03/05/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: SVOC-PAH. This data package contains results for SVOC-PAH.

C. Analytical Techniques:
The samples were analyzed on instrument BNA_F using GC Column DB-UI 8270D which is 20 meters, 0.18 mm ID, 0.36 um df The analysis of SVOC-PAH was based on method 8270E and extraction was done based on method 3541.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds .
The MSD recoveries met the acceptable requirements .
The RPD met criteria .
The Blank Spike met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .

The Continuous Calibration File ID BF141858.D met the requirements except for Benzo(g,h,i)perylene and Nitrobenzene-d5, The associate samples have no positive hit for these compounds therefore no corrective action was taken.

The Tuning criteria met requirements.

E. Additional Comments:
The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.
Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount

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for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____ APPROVED
By Nimisha Pandya, QA/QC Supervisor at 12:02 pm, Mar 17, 2025

284 Sheffield Street, Mountainside NJ 07092 Tel.
908-789-8900 Fax: 908-789-8922

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value**.** This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1492

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

QA Review Signature: SOHIL JODHANI **Date:** 03/15/2025

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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

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

Client:	G Environmental			Date Collected:	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)
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			

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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
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

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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	Limits (%) 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)

( ) = LABORATORY INHOUSE LIMIT

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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	Limits 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)	

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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	Limits 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)

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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 Qual	Limits Low	Limits High	RPD
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)	

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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:

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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

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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

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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

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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

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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.

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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.

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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.

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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.

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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.

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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

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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			

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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

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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			

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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

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

Report of Analysis

Client:	G Environmental	Date Collected:	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(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			

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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
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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			

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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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CALIBRATION SUMMARY

Response Factor Report BNA_F

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 =BF1418
00.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\
Method File : 8270-BF022725.M

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

Response Factor Report BNA_F

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 =BF1419
04.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

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: 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.

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: 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

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

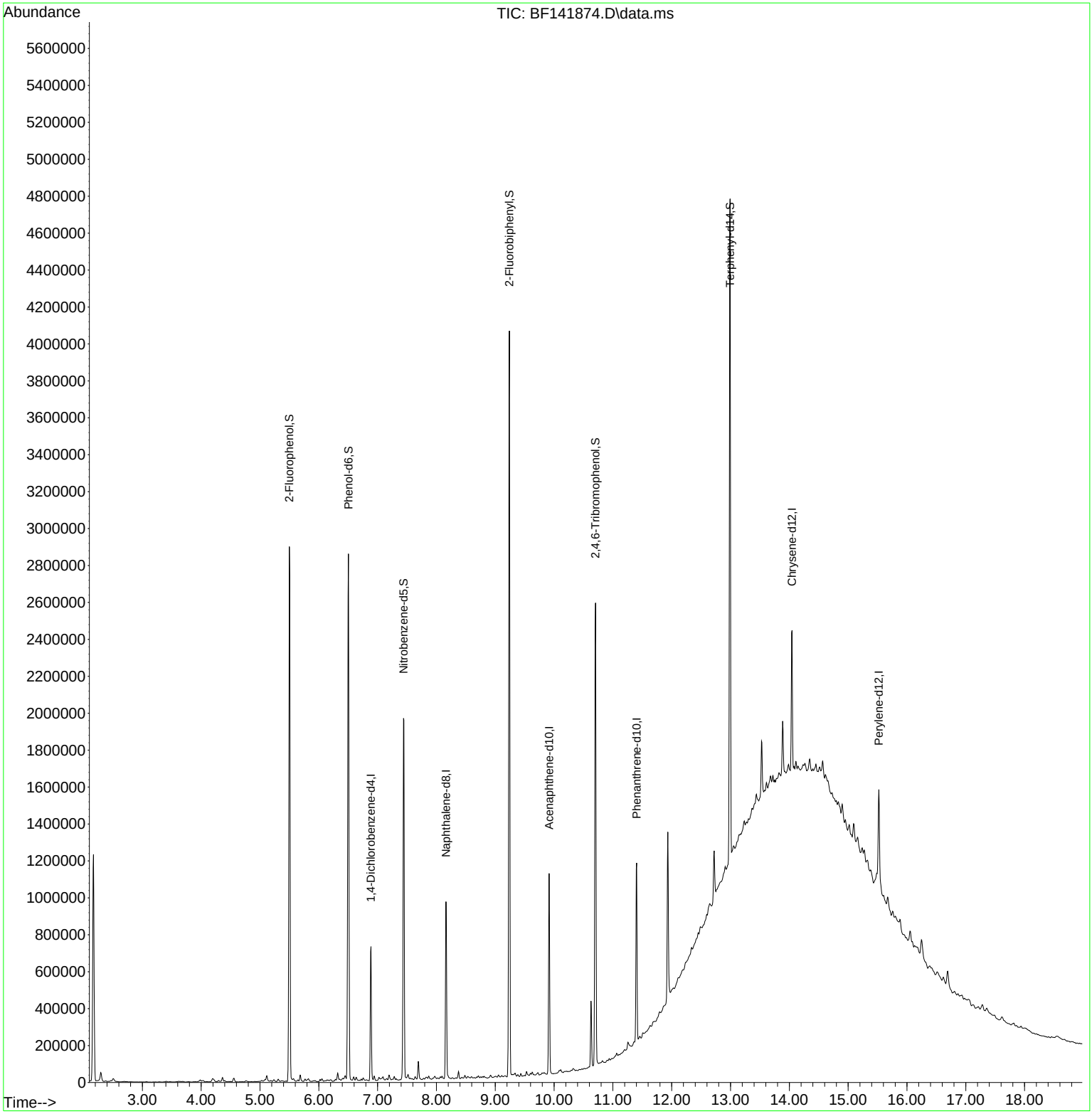
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	152116	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	583372	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	313503	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	496736	20.000	ng	0.00
76) Chrysene-d12	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

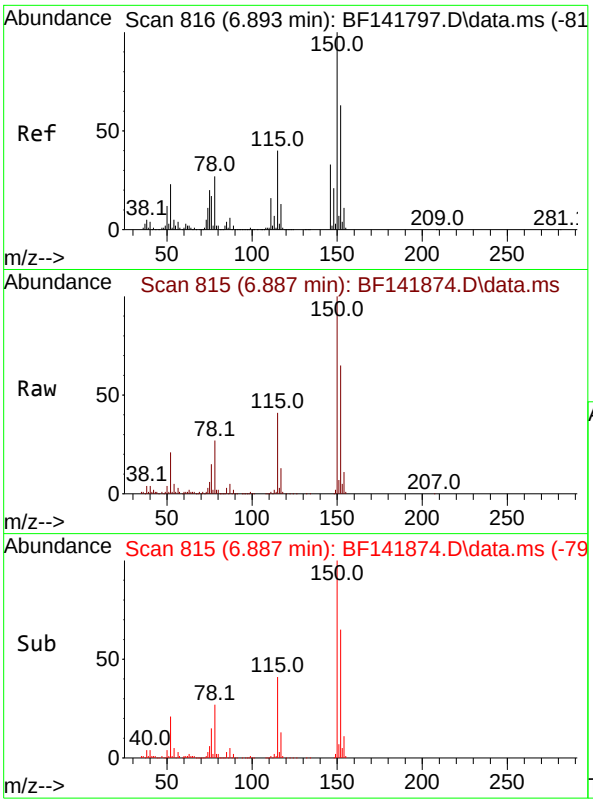
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



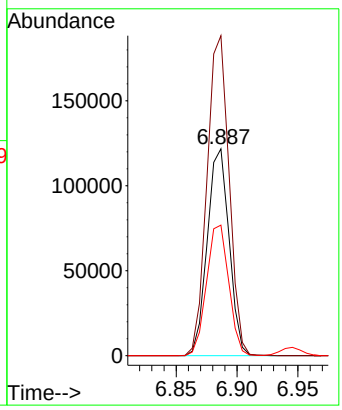


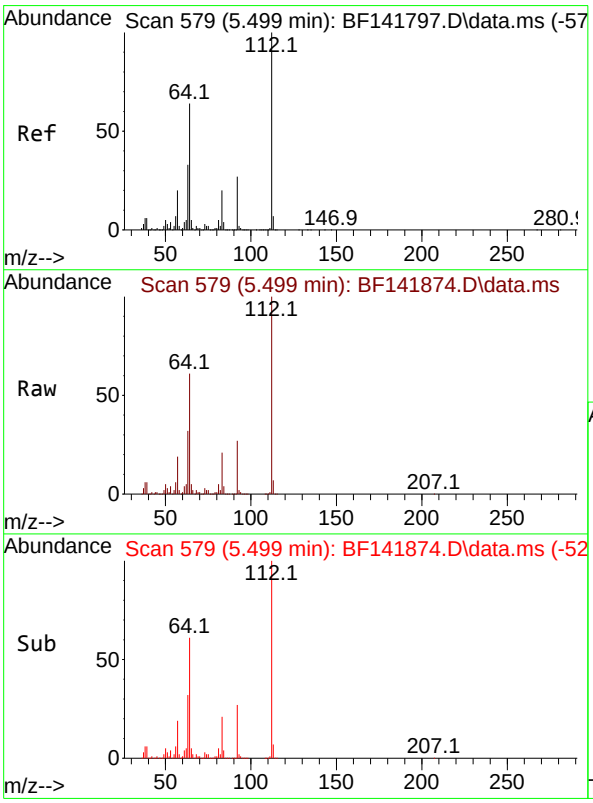
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141874.D
Acq: 06 Mar 2025 17:59

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

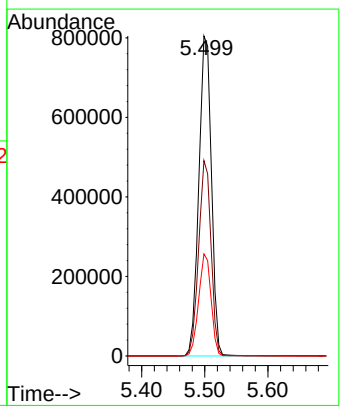


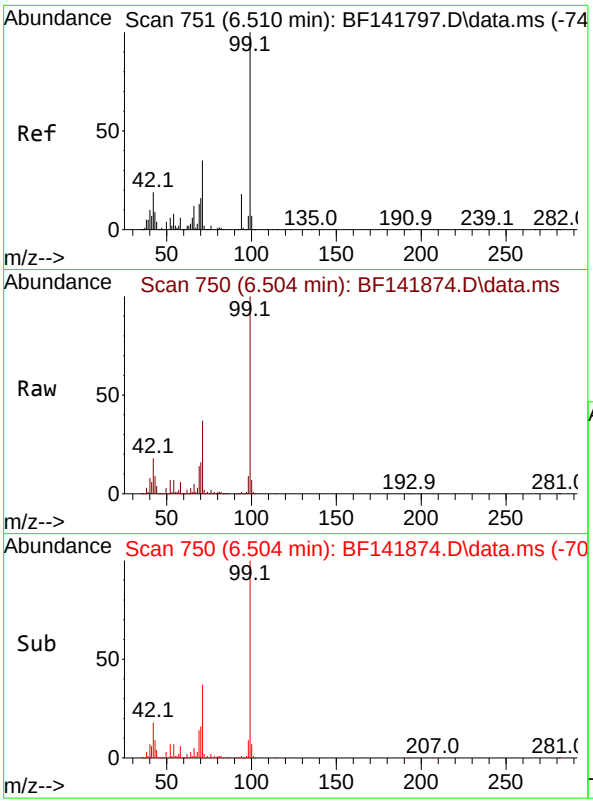


#5
2-Fluorophenol
Concen: 117.487 ng
RT: 5.499 min Scan# 579
Delta R.T. -0.000 min
Lab File: BF141874.D
Acq: 06 Mar 2025 17:59

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



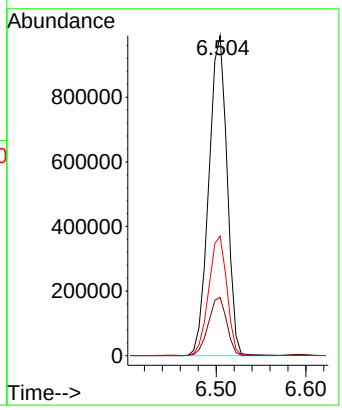


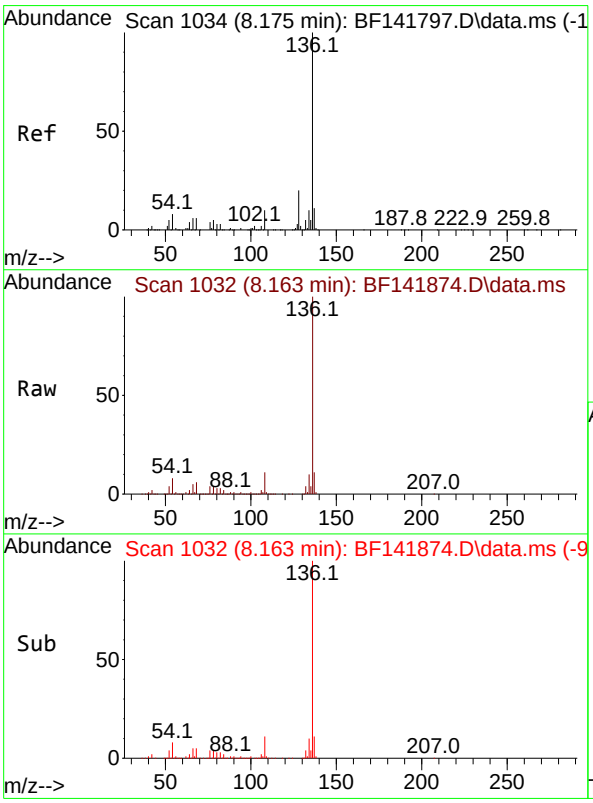
#7
Phenol-d6
Concen: 112.658 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141874.D
Acq: 06 Mar 2025 17:59

Instrument :
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

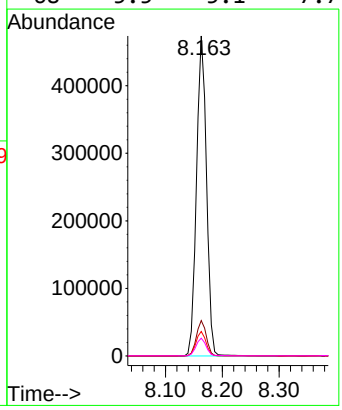


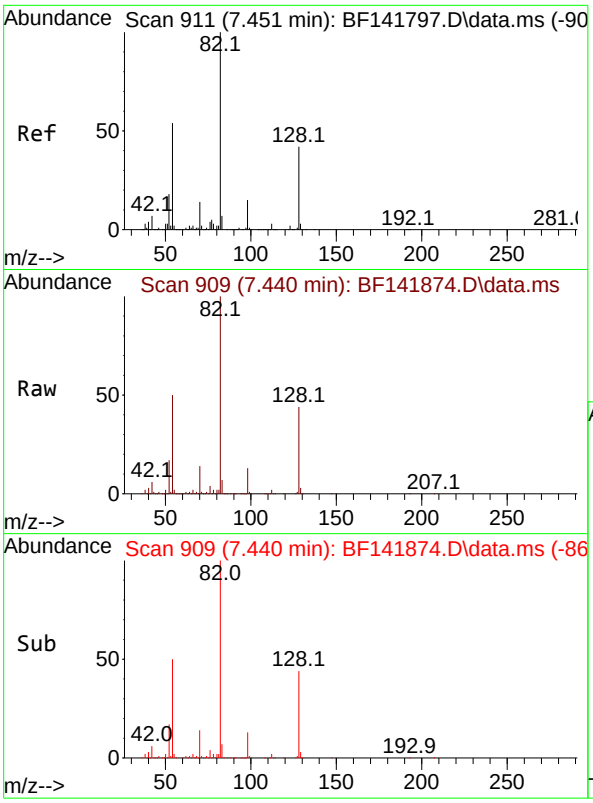


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.012 min
Lab File: BF141874.D
Acq: 06 Mar 2025 17:59

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



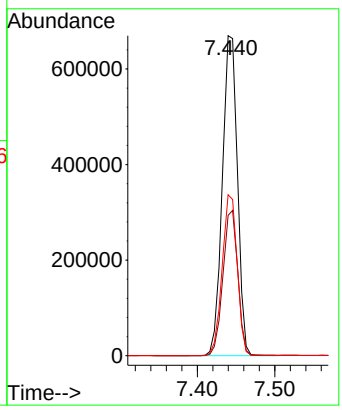


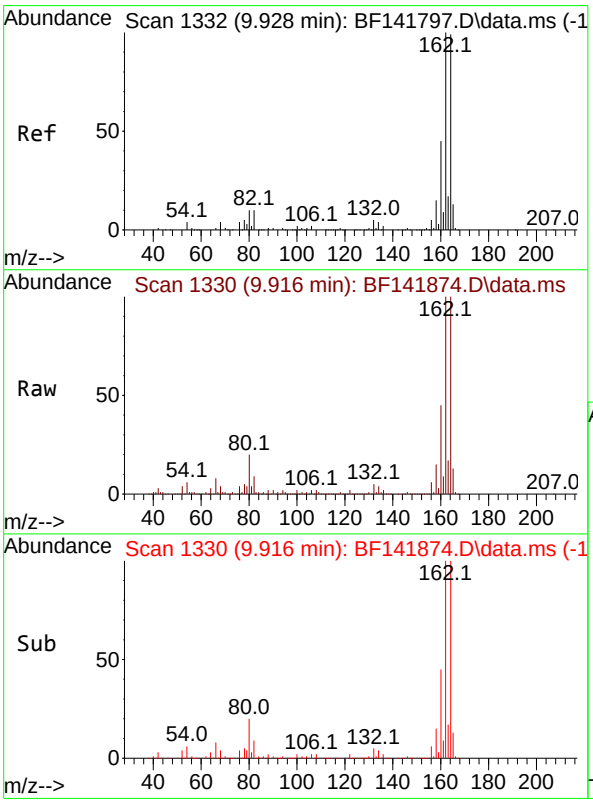
#23
Nitrobenzene-d5
Concen: 99.506 ng
RT: 7.440 min Scan# 9(
Delta R.T. -0.012 min
Lab File: BF141874.D
Acq: 06 Mar 2025 17:59

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

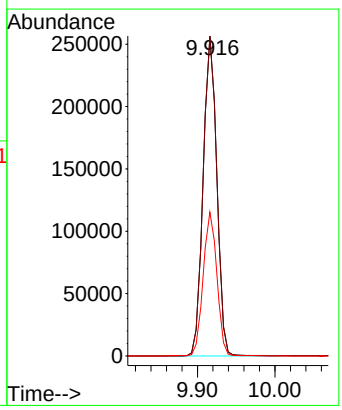


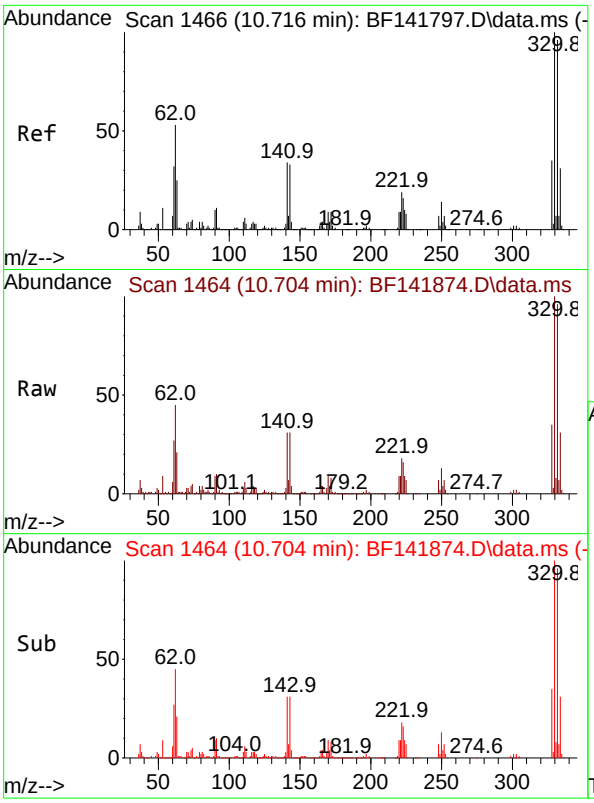


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.012 min
Lab File: BF141874.D
Acq: 06 Mar 2025 17:59

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



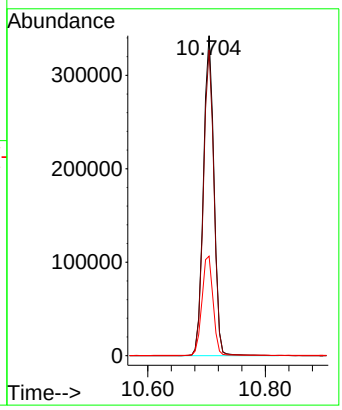


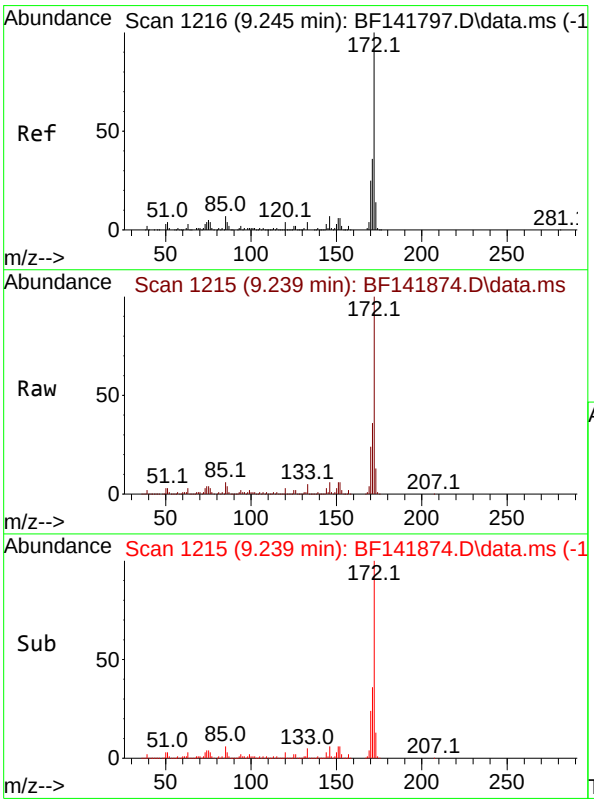
#42
2,4,6-Tribromophenol
Concen: 144.979 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141874.D
Acq: 06 Mar 2025 17:59

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

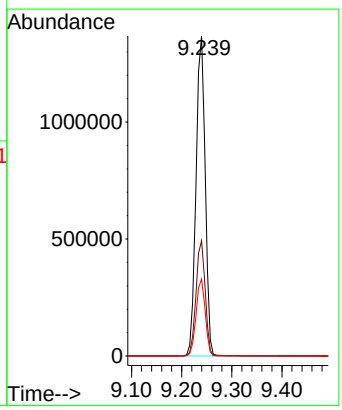


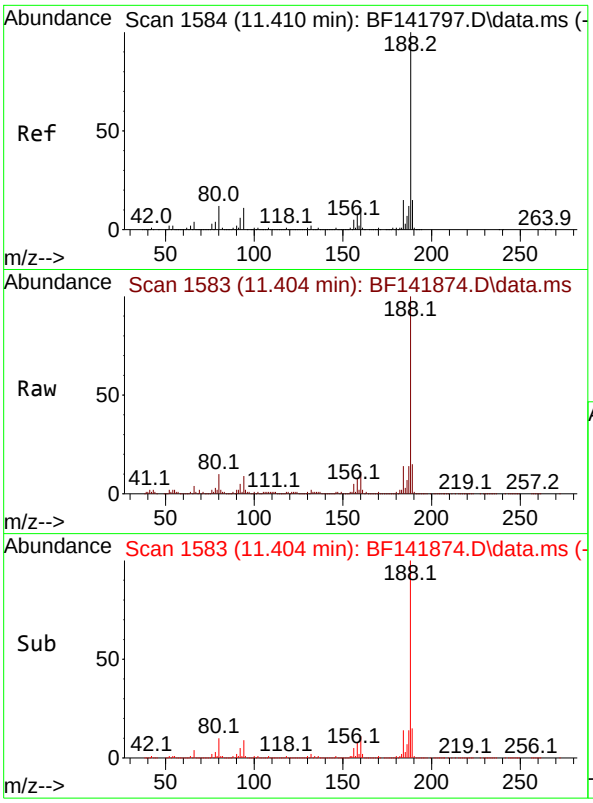


#45
2-Fluorobiphenyl
Concen: 88.951 ng
RT: 9.239 min Scan# 1215
Delta R.T. -0.006 min
Lab File: BF141874.D
Acq: 06 Mar 2025 17:59

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



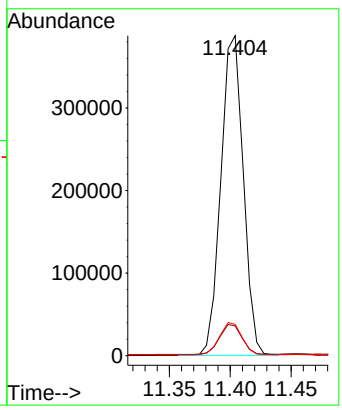


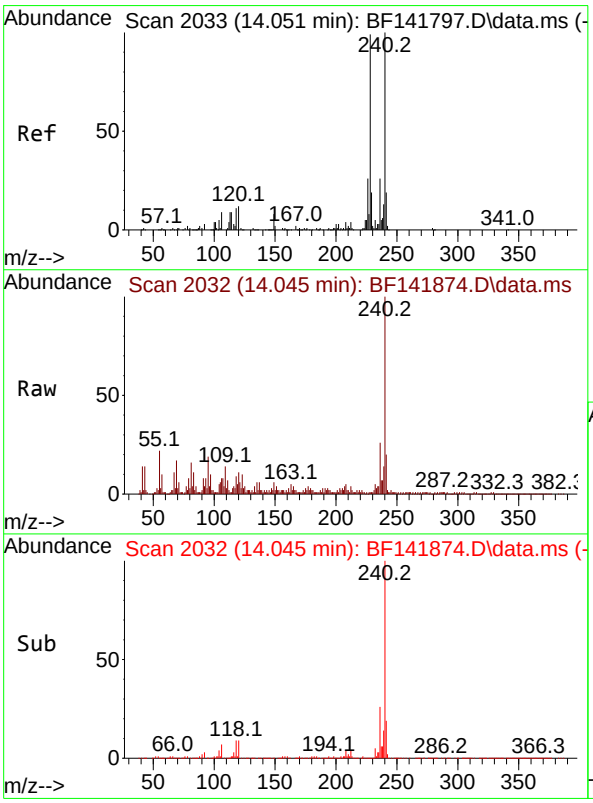
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141874.D
Acq: 06 Mar 2025 17:59

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

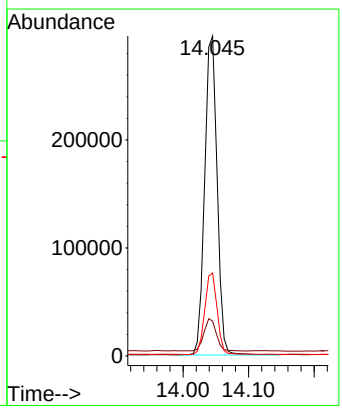


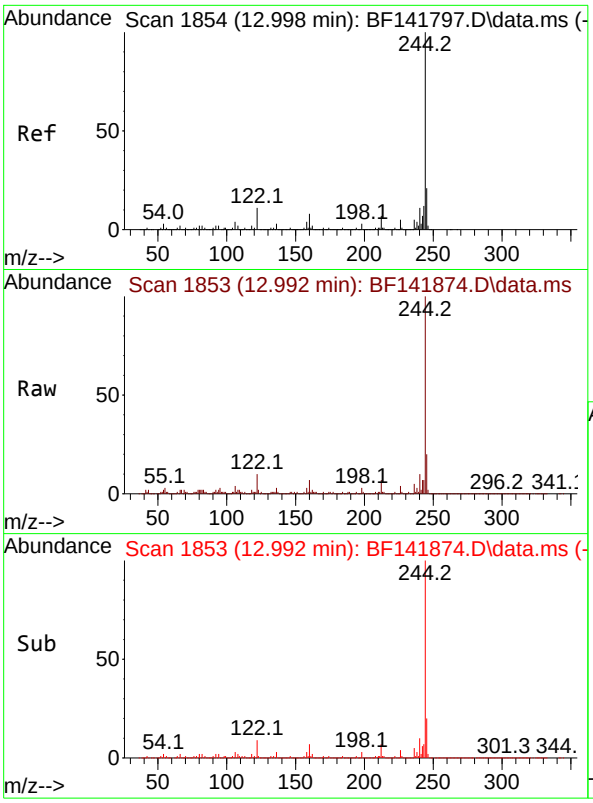


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF141874.D
Acq: 06 Mar 2025 17:59

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



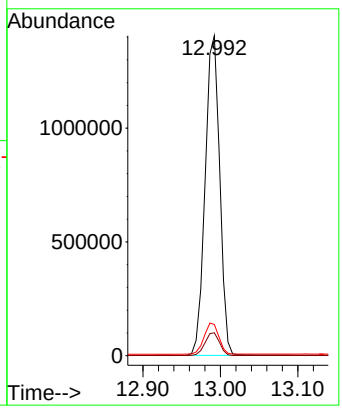


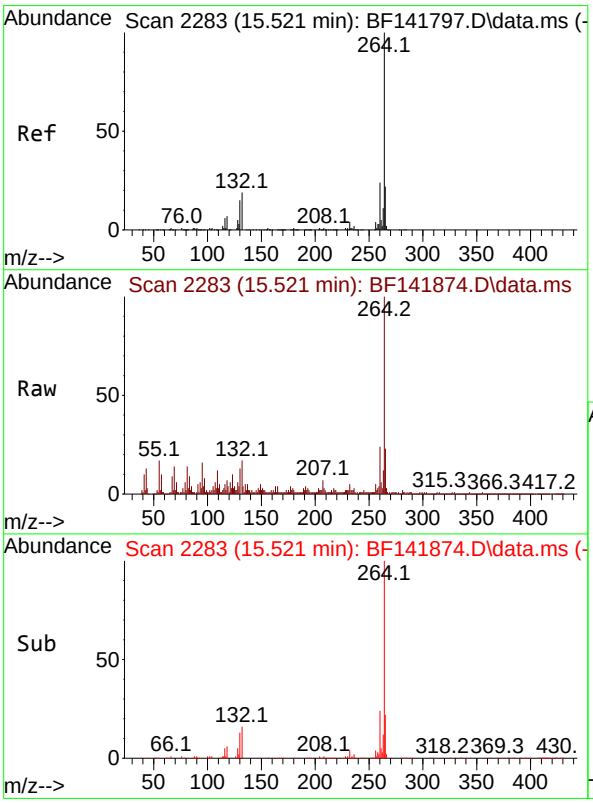
#79
Terphenyl-d14
Concen: 75.800 ng
RT: 12.992 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141874.D
Acq: 06 Mar 2025 17:59

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

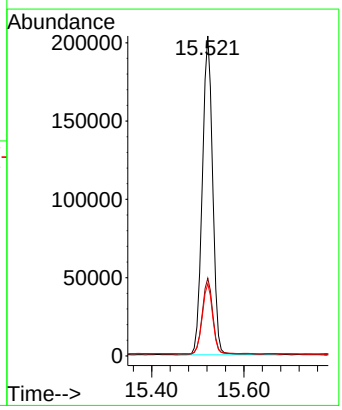




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2283
Delta R.T. 0.000 min
Lab File: BF141874.D
Acq: 06 Mar 2025 17:59

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

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

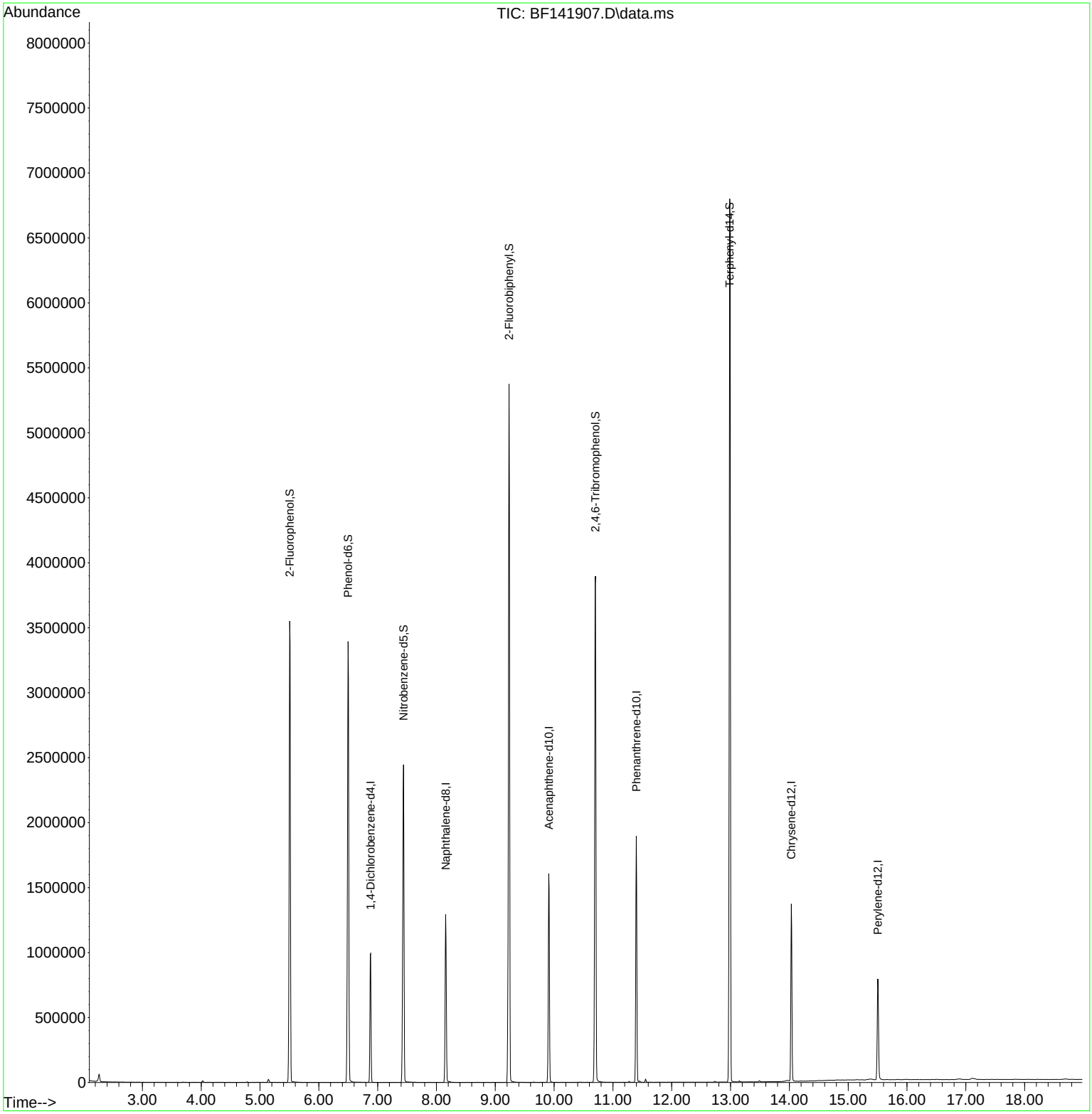
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	215606	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	850637	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	501095	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	952421	20.000	ng	0.00
76) Chrysene-d12	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

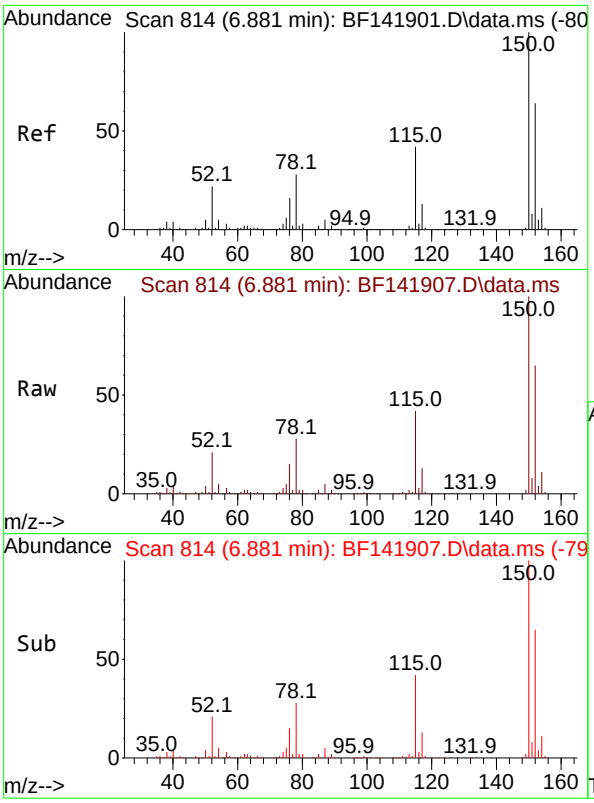
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



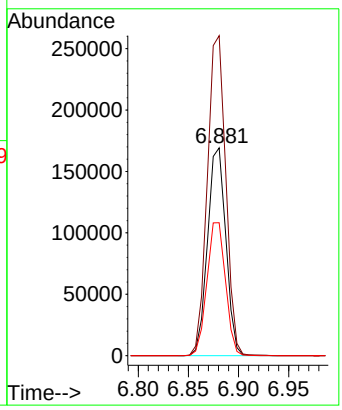


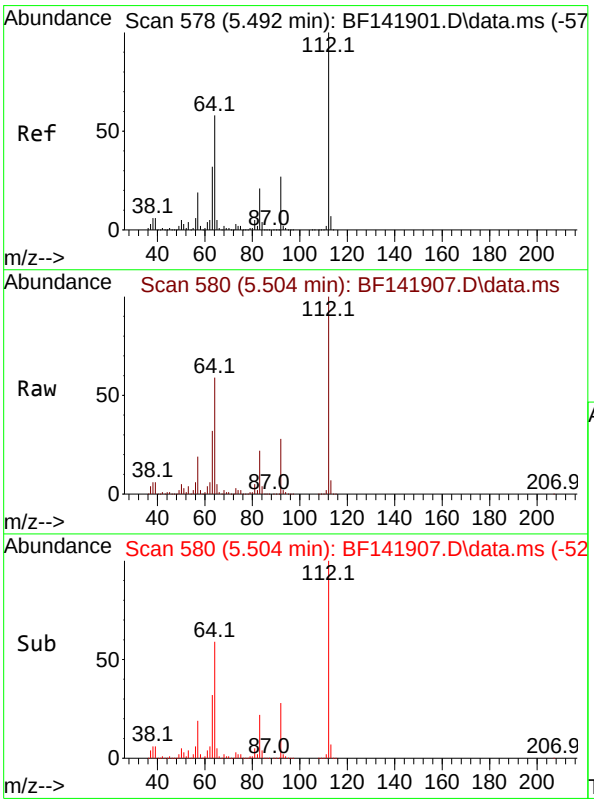
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF141907.D
Acq: 10 Mar 2025 17:09

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

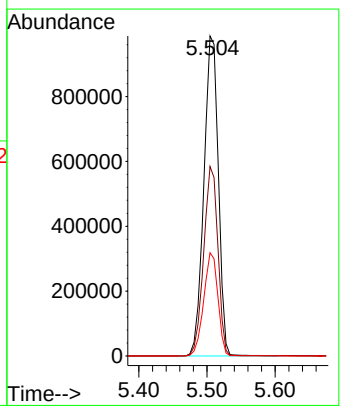


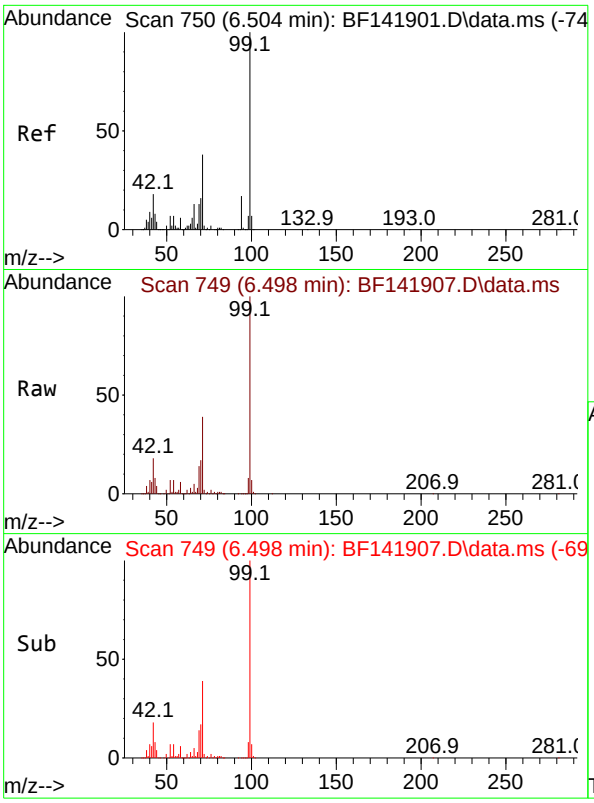


#5
2-Fluorophenol
Concen: 112.910 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.012 min
Lab File: BF141907.D
Acq: 10 Mar 2025 17:09

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



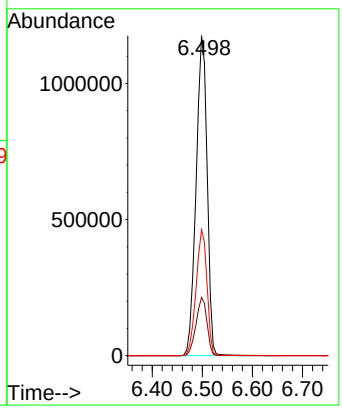


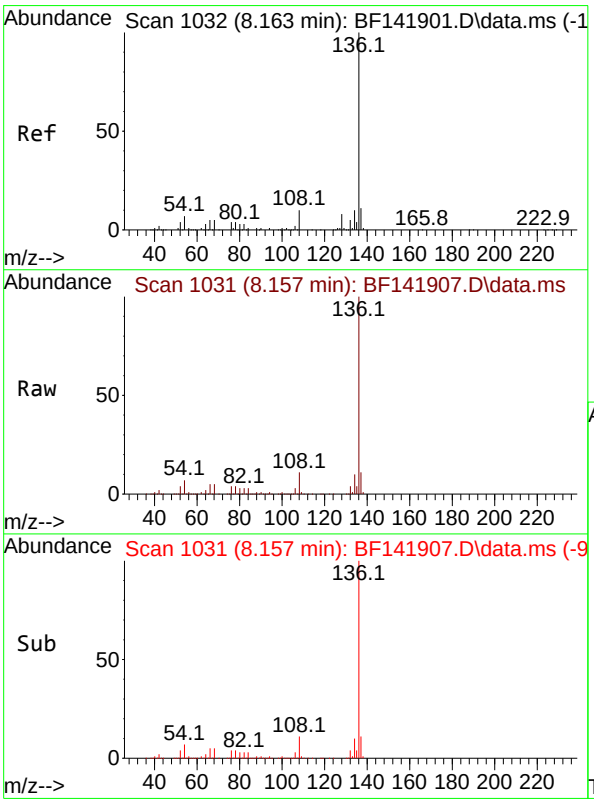
#7
Phenol-d6
Concen: 109.257 ng
RT: 6.498 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141907.D
Acq: 10 Mar 2025 17:09

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

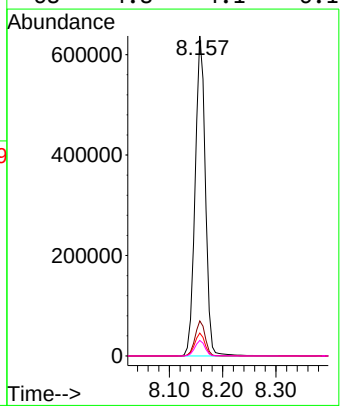


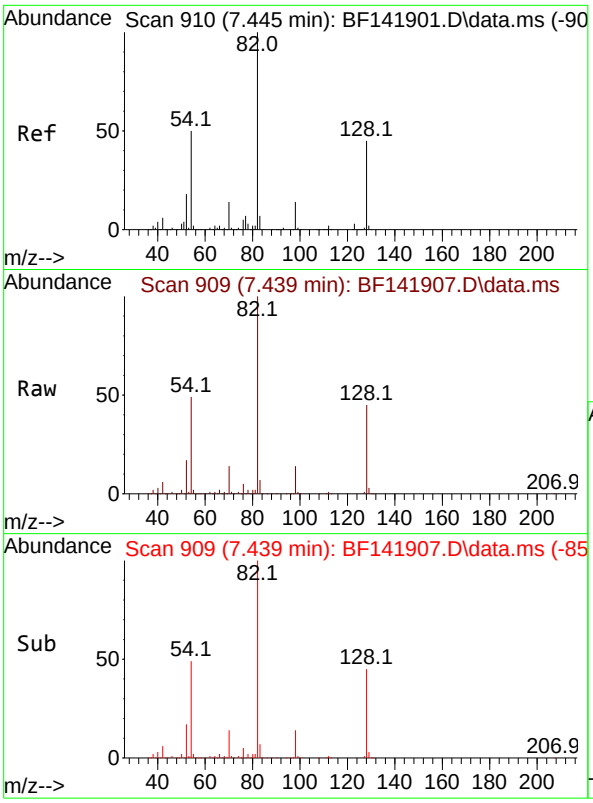


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF141907.D
Acq: 10 Mar 2025 17:09

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



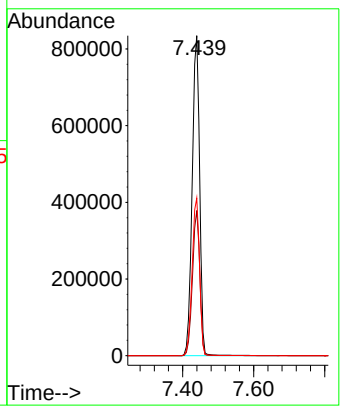


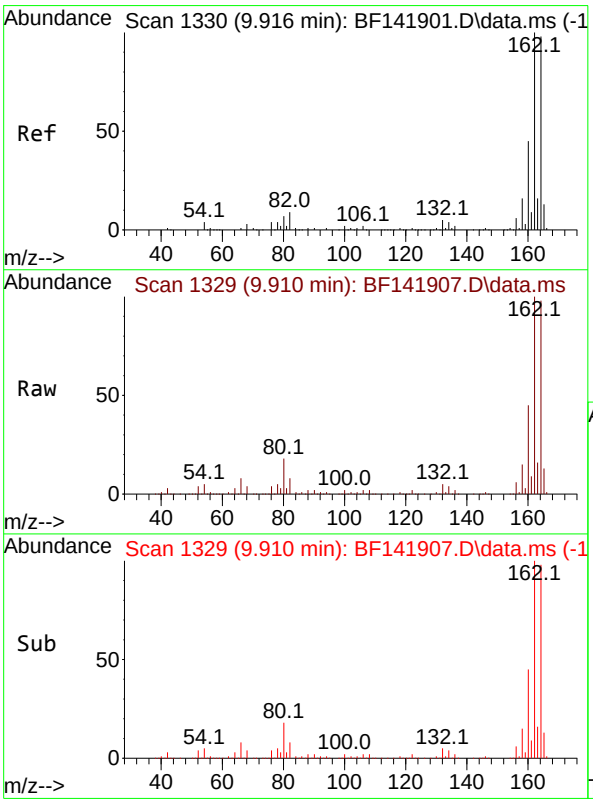
#23
Nitrobenzene-d5
Concen: 80.673 ng
RT: 7.439 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141907.D
Acq: 10 Mar 2025 17:09

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

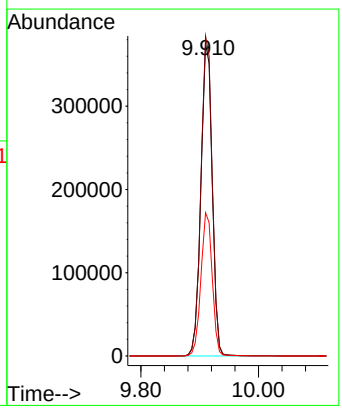


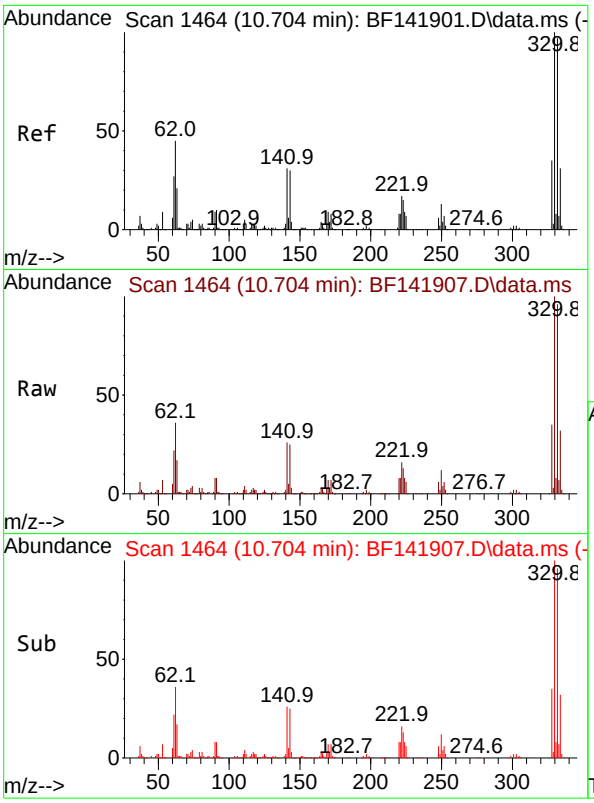


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF141907.D
Acq: 10 Mar 2025 17:09

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



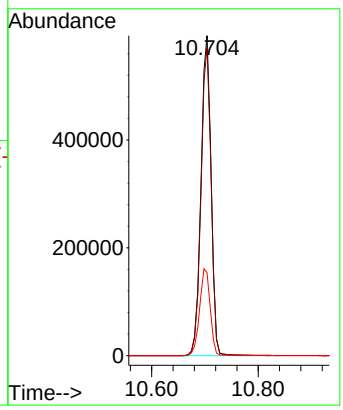


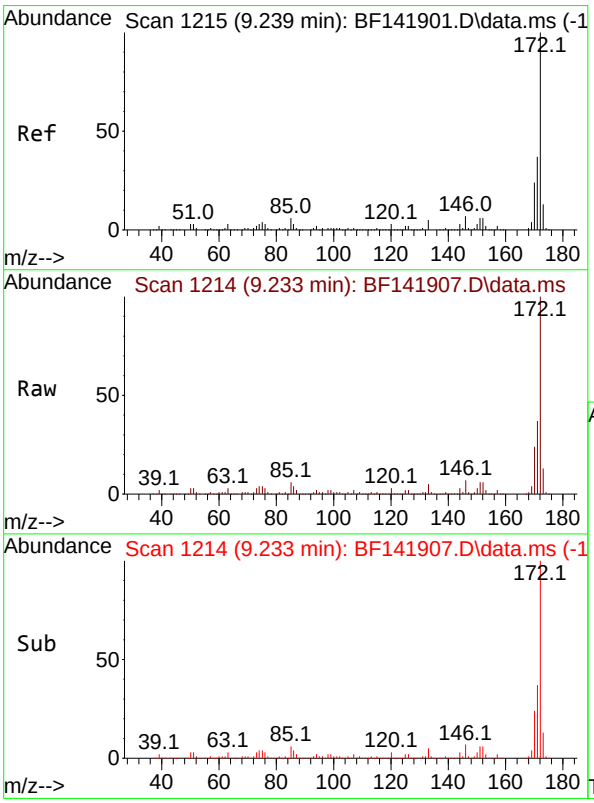
#42
2,4,6-Tribromophenol
Concen: 122.992 ng
RT: 10.704 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141907.D
Acq: 10 Mar 2025 17:09

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

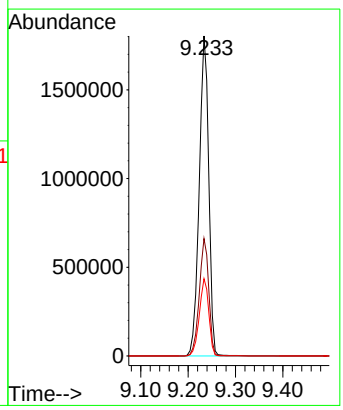


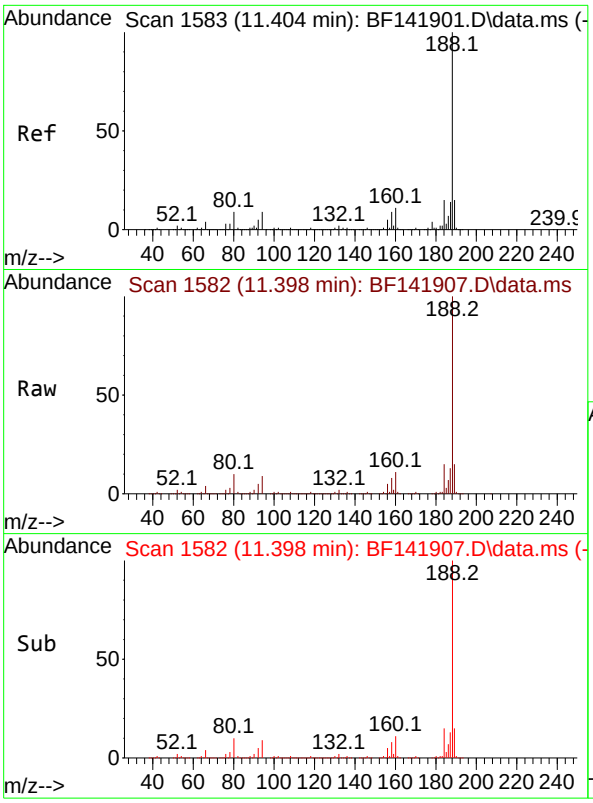


#45
2-Fluorobiphenyl
Concen: 76.648 ng
RT: 9.233 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF141907.D
Acq: 10 Mar 2025 17:09

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



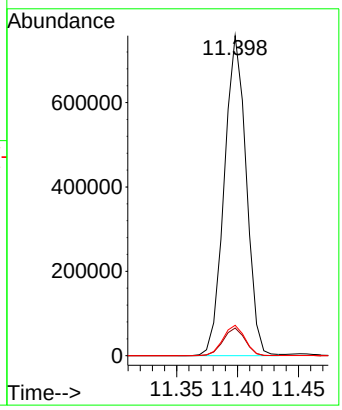


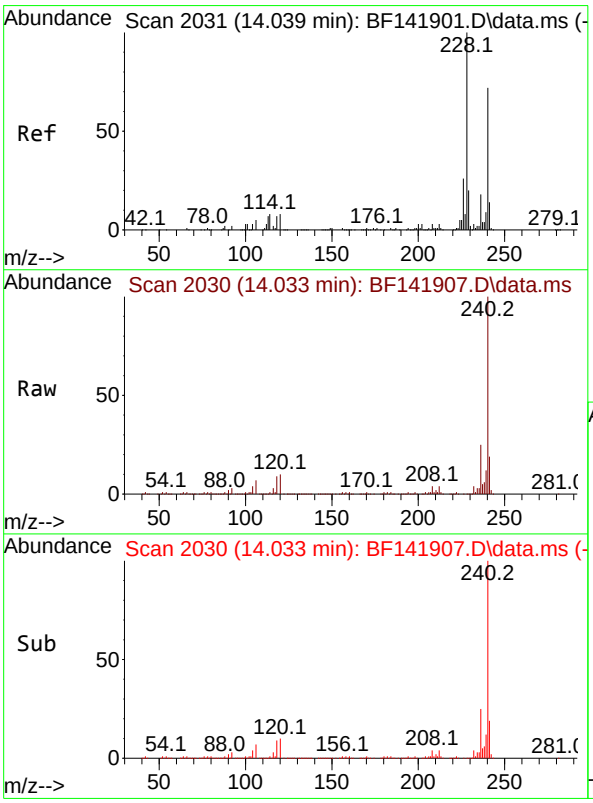
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141907.D
Acq: 10 Mar 2025 17:09

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

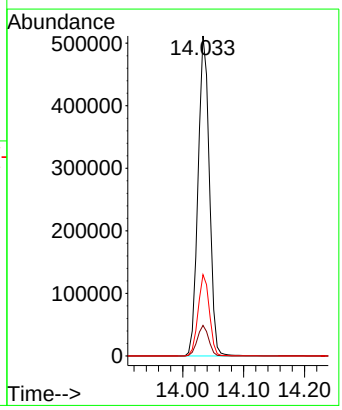


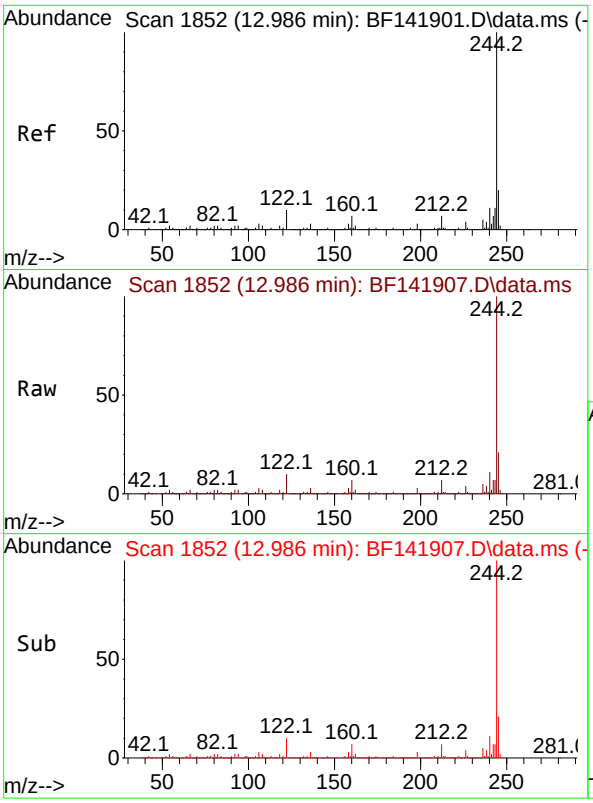


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF141907.D
Acq: 10 Mar 2025 17:09

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



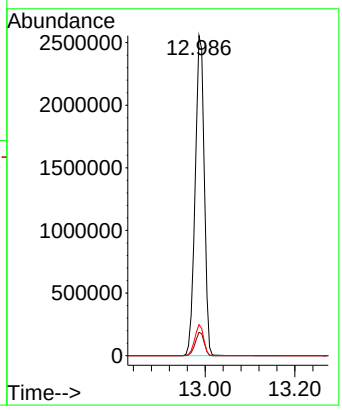


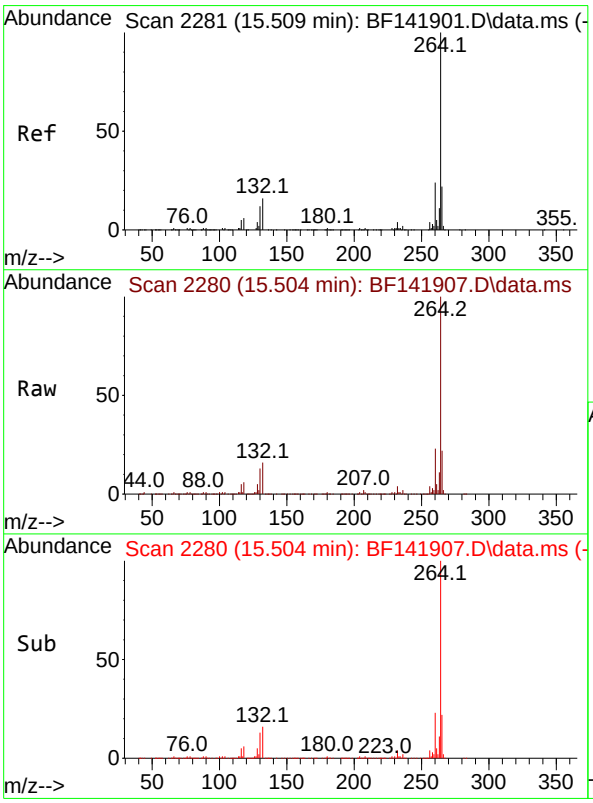
#79
Terphenyl-d14
Concen: 79.942 ng
RT: 12.986 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141907.D
Acq: 10 Mar 2025 17:09

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

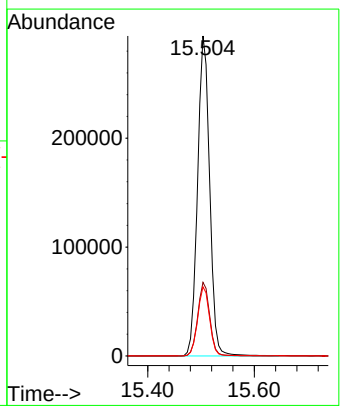




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.504 min Scan# 2280
Delta R.T. -0.006 min
Lab File: BF141907.D
Acq: 10 Mar 2025 17:09

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

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

Instrument :
BNA_F
ClientSampleId :
PB167012BS

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

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

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

Instrument :
BNA_F
ClientSampleId :
PB167012BS

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

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

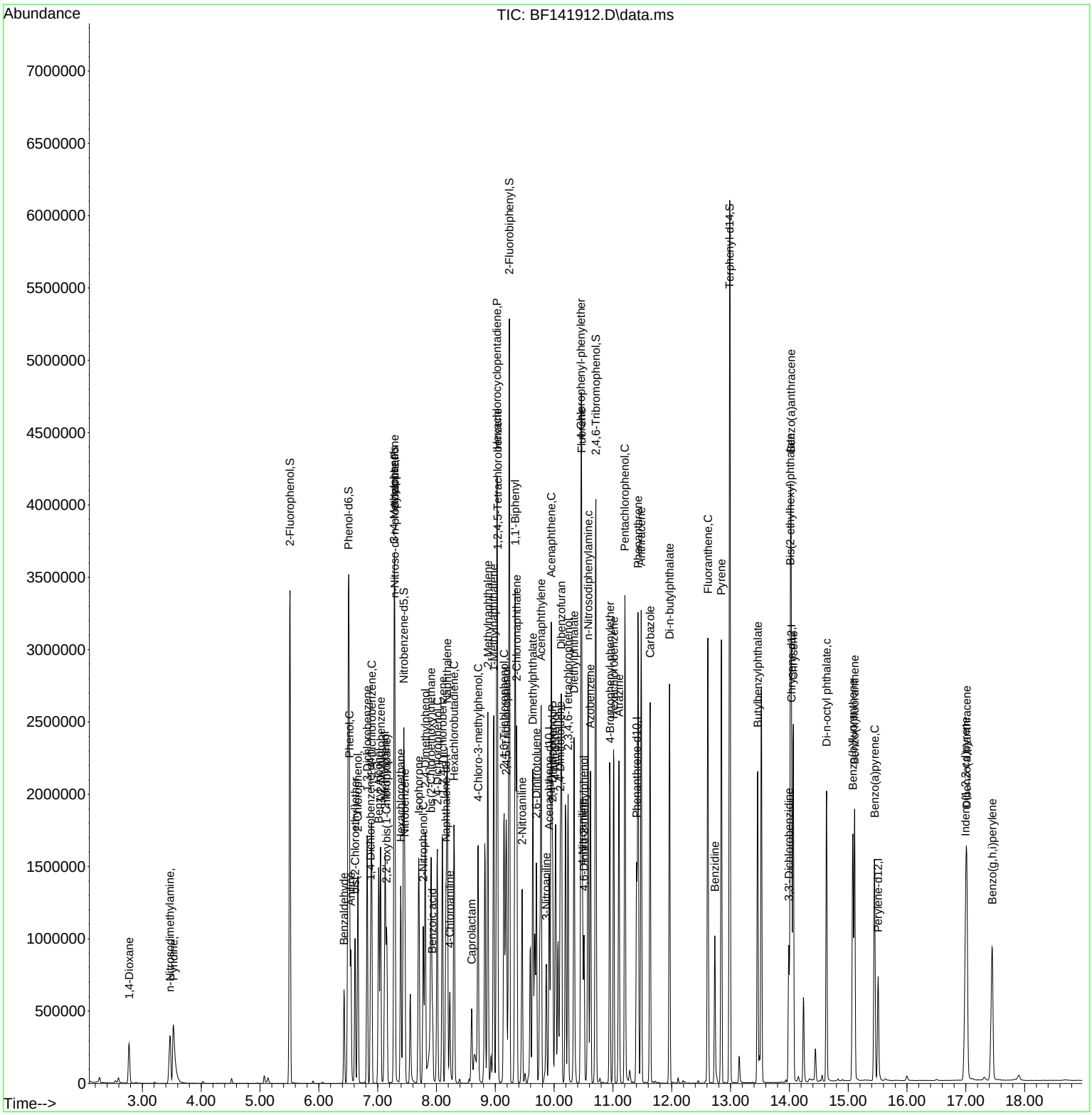
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141912.D
Acq On : 11 Mar 2025 12:51
Operator : RC/JU
Sample : PB167012BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

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

Instrument :
BNA_F
ClientSampleId :
PB167012BS

Manual Integrations APPROVED

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



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

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

Instrument :
BNA_F
ClientSampleId :
RHL1PXIMS

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

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

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

Instrument :
BNA_F
ClientSampleId :
RHL1PXIMS

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

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

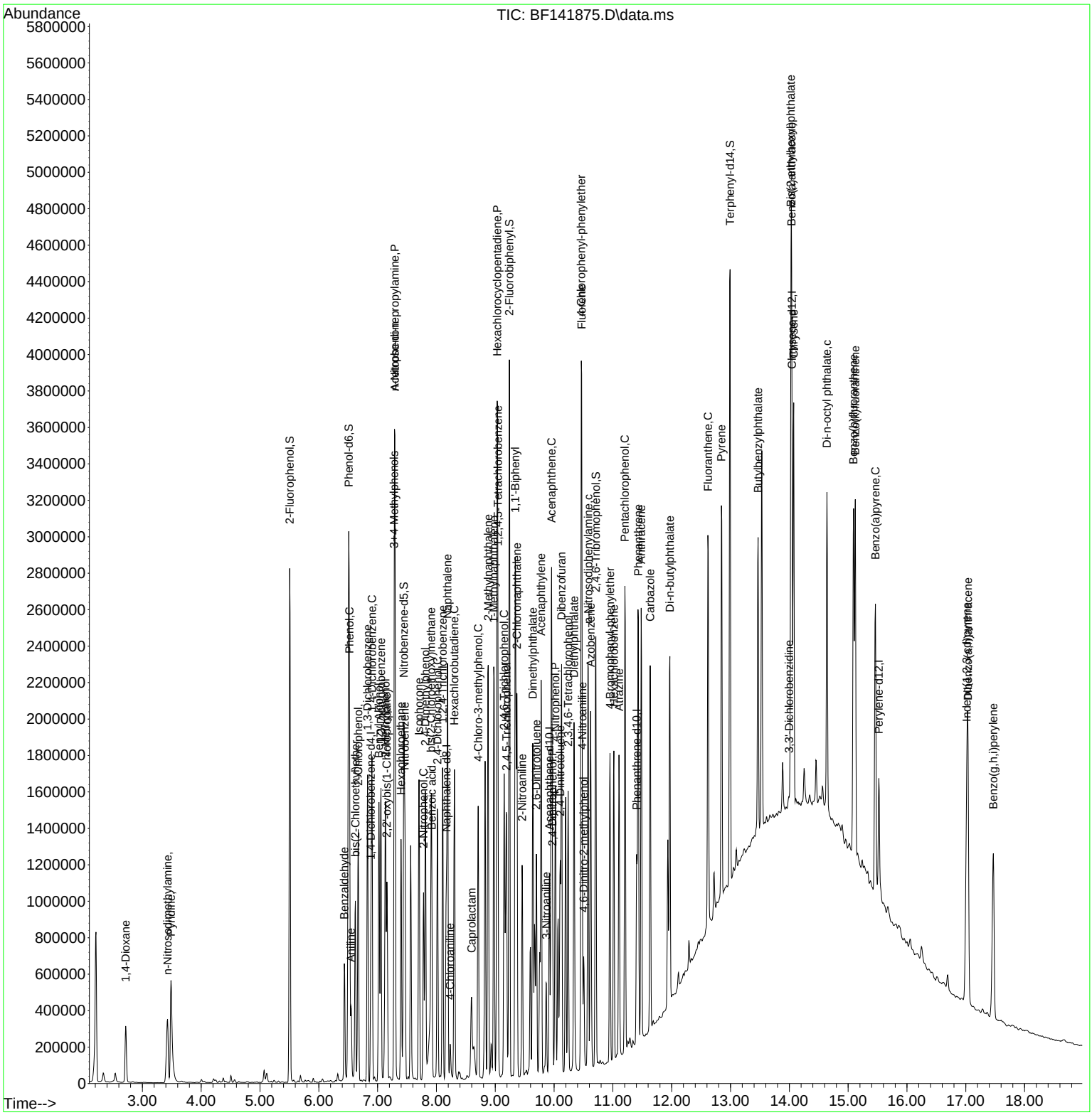
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141875.D
Acq On : 06 Mar 2025 18:29
Operator : RC/JU
Sample : Q1492-01MS
Misc :
ALS Vial : 19 Sample Multiplier: 1

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

Instrument :
BNA_F
ClientSampleId :
RHL1PXIMS

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut 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

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

Instrument :
BNA_F
ClientSampleId :
RHL1PXIMSD

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

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

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

Instrument :
BNA_F
ClientSampleId :
RHL1PXIMSD

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

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

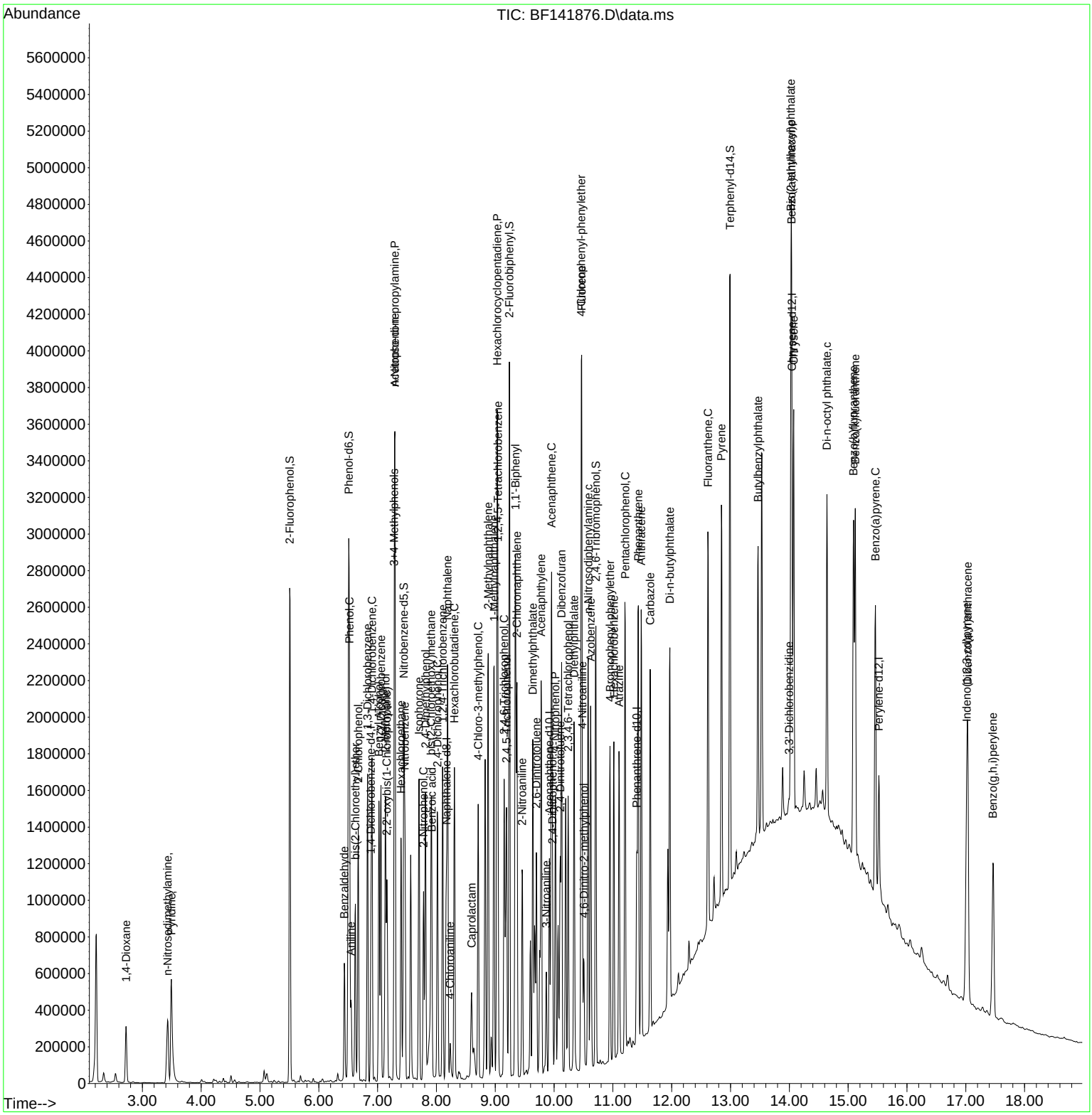
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141876.D
Acq On : 06 Mar 2025 18:58
Operator : RC/JU
Sample : Q1492-01MSD
Misc :
ALS Vial : 20 Sample Multiplier: 1

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

Instrument :
BNA_F
ClientSampleId :
RHL1PXIMSD

Manual Integrations APPROVED

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



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

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

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

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

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

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

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # 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

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # 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

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # 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

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # 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

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch 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

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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	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

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch 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

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch 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

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch 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

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch 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

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch 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-AVEDI	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

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EXTRACTION LOGPAGE

PB167012

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	**Extraction End Date :**	03/06/2025
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	12:10
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	N/A	**Hood ID:**	3,7	**Supervisor By :**	RUPESH

Extraction Method: ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☑ Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6720
Surrogate	1.0ML	100/150 PPM	SP6638
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	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

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)	RC/SVOC
12:15	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB167012

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
Q1492-01MSD	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

RG 3/6

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

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 (Ext-lab)
Raw Sample Relinquished by: CA SM

Date/Time 03/06/25 9:30
Raw Sample Received by: CA SM
Raw Sample Relinquished by: RJ (Ext-lab)

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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**			**03/05/25**			**03/05/25**
			SVOC-PAH	8270E		03/06/25	03/06/25	

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 · Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO.
QUOTE NO. Q1492
COC Number 2046138

6
6.1

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: G ENVIRONMENTAL
ADDRESS: 8 CARRIAGE
CITY Succasunna STATE: NJ ZIP:
ATTENTION: G
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Nelson
PROJECT NO.: LOCATION:
PROJECT MANAGER: G
e-mail: GARY@G-ENVIRONMENTAL.COM
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: G ENVIRONMENTAL PO#:
ADDRESS:
CITY Succasunna STATE: NJ ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): Standard DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

❑ Level 1 (Results Only) ❑ Level 4 (QC + Full Raw Data)
❑ Level 2 (Results + QC) X NJ Reduced ❑ US EPA CLP
❑ Level 3 (Results + QC + Raw Data) ❑ NYS ASP A ❑ NYS ASP B
❑ Other pdf
X EDD FORMAT Masteredd excel

ANALYSIS

PLAN

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	RTLIPX1	Soil		X	3/5/25	1200	1	X									
2.																	
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	3/5/25 1270	1.
2.	DATE/TIME:	2.
3.	DATE/TIME:	3.

Conditions of bottles or coolers at receipt: ❑ COMPLIANT ❑ NON COMPLIANT ❑ COOLER TEMP 1.8C °C
Comments: Nelson (ice)

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CLIENT: ❑ Hand Delivered ❑ Other
Shipment Complete ❑ YES ❑ NO

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488