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Cover Page

Order ID : Q1522

Project ID : 540 Degraw St, Brooklyn, NY - E9309

Client : ENTACT

Lab Sample Number	Client Sample Number
Q1522-01	TW-WTS-03
Q1522-02	TW-WTS-04

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 : _____

Date: 3/12/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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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 #: Q1522

	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: MAHESH PATEL **Date:** 03/12/2025

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LAB CHRONICLE

OrderID:	Q1522	**OrderDate:**	3/7/2025 10:29:00 AM
Client:	ENTACT	**Project:**	540 Degraw St, Brooklyn, NY - E9309
Contact:	Jarod Stanfield	**Location:**	H31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1522-02	**TW-WTS-04**	**Water**			**03/06/25**			**03/07/25**
			SVOCMS Group4	8270E		03/12/25	03/12/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1522

Client: ENTACT

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

QC SUMMARY

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Surrogate Summary

SW-846

SDG No.: Q1522

Client: ENTACT

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB167097BL	PB167097BL	2-Fluorophenol	150	134	90		15 (10)	110 (139)
		Phenol-d6	150	130	86		15 (10)	110 (134)
		Nitrobenzene-d5	100	93.3	93		30 (49)	130 (133)
		2-Fluorobiphenyl	100	90.0	90		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	154	102		15 (44)	110 (137)
		Terphenyl-d14	100	87.3	87		30 (48)	130 (125)
PB167097BS	PB167097BS	2-Fluorophenol	150	140	93		15 (10)	110 (139)
		Phenol-d6	150	137	91		15 (10)	110 (134)
		Nitrobenzene-d5	100	98.6	99		30 (49)	130 (133)
		2-Fluorobiphenyl	100	97.8	98		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	160	107		15 (44)	110 (137)
		Terphenyl-d14	100	105	105		30 (48)	130 (125)
PB167097BSD	PB167097BSD	2-Fluorophenol	150	132	88		15 (10)	110 (139)
		Phenol-d6	150	129	86		15 (10)	110 (134)
		Nitrobenzene-d5	100	93.2	93		30 (49)	130 (133)
		2-Fluorobiphenyl	100	93.8	94		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	151	101		15 (44)	110 (137)
		Terphenyl-d14	100	101	101		30 (48)	130 (125)
Q1522-02	TW-WTS-04	2-Fluorophenol	150	52.7	35		15 (10)	110 (139)
		Phenol-d6	150	31.7	21		15 (10)	110 (134)
		Nitrobenzene-d5	100	92.4	92		30 (49)	130 (133)
		2-Fluorobiphenyl	100	93.1	93		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	127	84		15 (44)	110 (137)
		Terphenyl-d14	100	95.9	96		30 (48)	130 (125)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1522

Client: ENTACT

Analytical Method: 8270E **DataFile:** BF141941.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB167097BS	Phenol	50	45.8	ug/L	92				20 (66)	160 (118)	
	1,4-Dichlorobenzene	50	45.8	ug/L	92				70 (76)	130 (103)	
	1,2,4-Trichlorobenzene	50	45.0	ug/L	90				70 (41)	130 (115)	
	Naphthalene	50	44.4	ug/L	89				70 (64)	130 (107)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1522

Client: ENTACT

Analytical Method: 8270E **DataFile:** BF141942.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB167097BSD	Phenol	50	43.0	ug/L	86	6			20 (66)	160 (118)	20 (20)
	1,4-Dichlorobenzene	50	43.0	ug/L	86	6			70 (76)	130 (103)	20 (20)
	1,2,4-Trichlorobenzene	50	43.2	ug/L	86	4			70 (41)	130 (115)	20 (20)
	Naphthalene	50	42.1	ug/L	84	5			70 (64)	130 (107)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167097BL

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM Case No.: Q1522 SAS No.: Q1522 SDG NO.: Q1522

Lab File ID: BF141940.D Lab Sample ID: PB167097BL

Instrument ID: BNA_F Date Extracted: 03/12/2025

Matrix: (soil/water) Water Date Analyzed: 03/13/2025

Level: (low/med) LOW Time Analyzed: 12:47

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB167097BS	PB167097BS	BF141941.D	03/13/2025
PB167097BSD	PB167097BSD	BF141942.D	03/13/2025
TW-WTS-04	Q1522-02	BF141937.D	03/12/2025

COMMENTS:

Raw Data: **BF141896.D**

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM SAS No.: Q1522 SDG NO.: Q1522

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

Raw Data: **BF141930.D**

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM SAS No.: Q1522 SDG NO.: Q1522

Lab File ID: BF141930.D DFTPP Injection Date: 03/12/2025

Instrument ID: BNA_F DFTPP Injection Time: 09:38

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	23.5
68	Less than 2.0% of mass 69	0.5 (2) 1
69	Mass 69 relative abundance	24.8
70	Less than 2.0% of mass 69	0.2 (0.8) 1
127	10.0 - 80.0% of mass 198	35.7
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	5.3
275	10.0 - 60.0% of mass 198	24.7
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	15.3
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.9 (18.9) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF141931.D	03/12/2025	10:08
TW-WTS-04	Q1522-02	BF141937.D	03/12/2025	14:26

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM SAS No.: Q1522 SDG NO.: Q1522

Lab File ID: BF141938.D DFTPP Injection Date: 03/13/2025

Instrument ID: BNA_F DFTPP Injection Time: 11:48

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	29.8
68	Less than 2.0% of mass 69	0.6 (1.8) 1
69	Mass 69 relative abundance	31.6
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	44
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	6.2
275	10.0 - 60.0% of mass 198	27.8
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	100
443	15.0 - 24.0% of mass 442	19.1 (19.1) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF141939.D	03/13/2025	12:17
PB167097BL	PB167097BL	BF141940.D	03/13/2025	12:47
PB167097BS	PB167097BS	BF141941.D	03/13/2025	13:17
PB167097BSD	PB167097BSD	BF141942.D	03/13/2025	13:47

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1522 SAS No.: Q1522 SDG NO.: Q1522

EPA Sample No.: SSTDCCC040 Date Analyzed: 03/12/2025

Lab File ID: BF141931.D Time Analyzed: 10:08

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	164449	6.881	621435	8.16	348146	9.92
	UPPER LIMIT	328898	7.381	1242870	8.663	696292	10.416
	LOWER LIMIT	82224.5	6.381	310718	7.663	174073	9.416
	EPA SAMPLE NO.						
01	TW-WTS-04	158297	6.88	621760	8.16	343931	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.: Q1522 SAS No.: Q1522 SDG NO.: Q1522

EPA Sample No.: SSTDCCC040 Date Analyzed: 03/12/2025

Lab File ID: BF141931.D Time Analyzed: 10:08

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	605778	11.404	481594	14.039	422923	15.51
	UPPER LIMIT	1211560	11.904	963188	14.539	845846	16.01
	LOWER LIMIT	302889	10.904	240797	13.539	211462	15.01
	EPA SAMPLE NO.						
01	TW-WTS-04	590417	11.40	355669	14.03	352171	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.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1522 SAS No.: Q1522 SDG NO.: Q1522

EPA Sample No.: SSTDCCC040 Date Analyzed: 03/13/2025

Lab File ID: BF141939.D Time Analyzed: 12:17

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	198004	6.875	767232	8.16	426931	9.91
	UPPER LIMIT	396008	7.375	1534460	8.657	853862	10.41
	LOWER LIMIT	99002	6.375	383616	7.657	213466	9.41
	EPA SAMPLE NO.						
01	PB167097BL	176773	6.88	705846	8.16	407739	9.91
02	PB167097BS	167779	6.88	666660	8.16	381133	9.92
03	PB167097BSD	178366	6.88	702401	8.16	401749	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.: Q1522 SAS No.: Q1522 SDG NO.: Q1522

EPA Sample No.: SSTDCCC040 Date Analyzed: 03/13/2025

Lab File ID: BF141939.D Time Analyzed: 12:17

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	726402	11.398	451214	14.033	394917	15.504
	UPPER LIMIT	1452800	11.898	902428	14.533	789834	16.004
	LOWER LIMIT	363201	10.898	225607	13.533	197459	15.004
	EPA SAMPLE NO.						
01	PB167097BL	769835	11.39	601564	14.03	427331	15.50
02	PB167097BS	657343	11.40	424407	14.04	370791	15.50
03	PB167097BSD	683407	11.40	437316	14.03	392710	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.

SAMPLE DATA

Raw Data: **BF141937.D**

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Report of Analysis

Client:	ENTACT	Date Collected:	03/06/25
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	03/07/25
Client Sample ID:	TW-WTS-04	SDG No.:	Q1522
Lab Sample ID:	Q1522-02	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group4
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141937.D	1	03/12/25 08:45	03/12/25 14:26	PB167097

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
108-95-2	Phenol	0.92	U	0.92	5.10	ug/L
106-46-7	1,4-Dichlorobenzene	0.54	U	0.54	5.10	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.55	U	0.55	5.10	ug/L
91-20-3	Naphthalene	0.51	U	0.51	5.10	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	52.7		15 (10) - 110 (139)	35%	SPK: 150
13127-88-3	Phenol-d6	31.7		15 (10) - 110 (134)	21%	SPK: 150
4165-60-0	Nitrobenzene-d5	92.4		30 (49) - 130 (133)	92%	SPK: 100
321-60-8	2-Fluorobiphenyl	93.1		30 (52) - 130 (132)	93%	SPK: 100
118-79-6	2,4,6-Tribromophenol	127		15 (44) - 110 (137)	84%	SPK: 150
1718-51-0	Terphenyl-d14	95.9		30 (48) - 130 (125)	96%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	158000	6.881			
1146-65-2	Naphthalene-d8	622000	8.157			
15067-26-2	Acenaphthene-d10	344000	9.91			
1517-22-2	Phenanthrene-d10	590000	11.398			
1719-03-5	Chrysene-d12	356000	14.033			
1520-96-3	Perylene-d12	352000	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

Sample Results: **BF141937.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031225\
Data File : BF141937.D
Acq On : 12 Mar 2025 14:26
Operator : RC/JU
Sample : Q1522-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-WTS-04

Quant Time: Mar 12 15:02:55 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

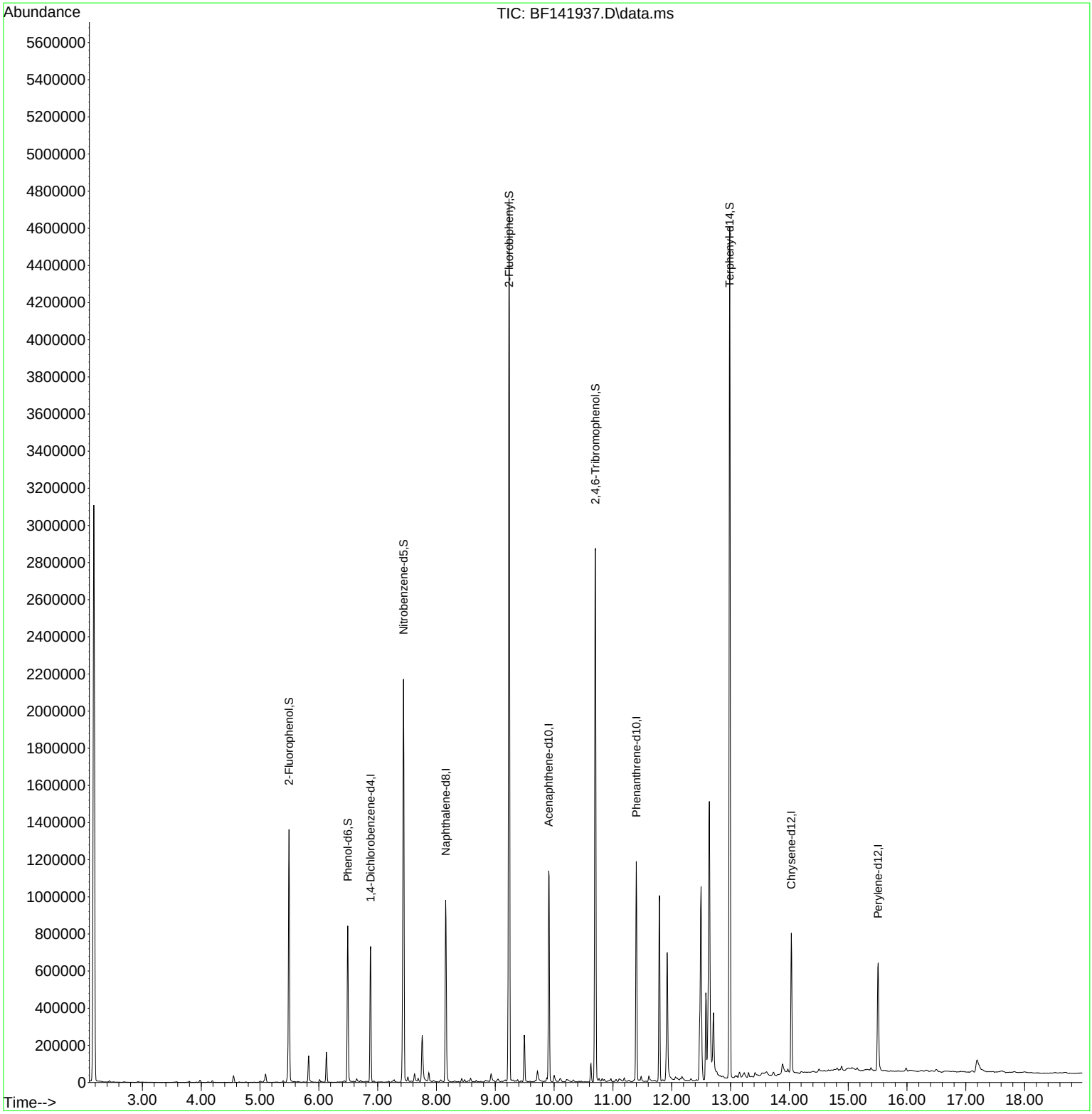
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	158297	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	621760	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	343931	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	590417	20.000	ng	0.00
76) Chrysene-d12	14.033	240	355669	20.000	ng	0.00
86) Perylene-d12	15.509	264	352171	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	500135	52.730	ng	0.00
7) Phenol-d6	6.492	99	382245	31.653	ng	-0.01
23) Nitrobenzene-d5	7.439	82	1020410	92.358	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	552332	126.588	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	2104841	93.073	ng	0.00
79) Terphenyl-d14	12.986	244	2305935	95.854	ng	0.00
Target Compounds						Qvalue

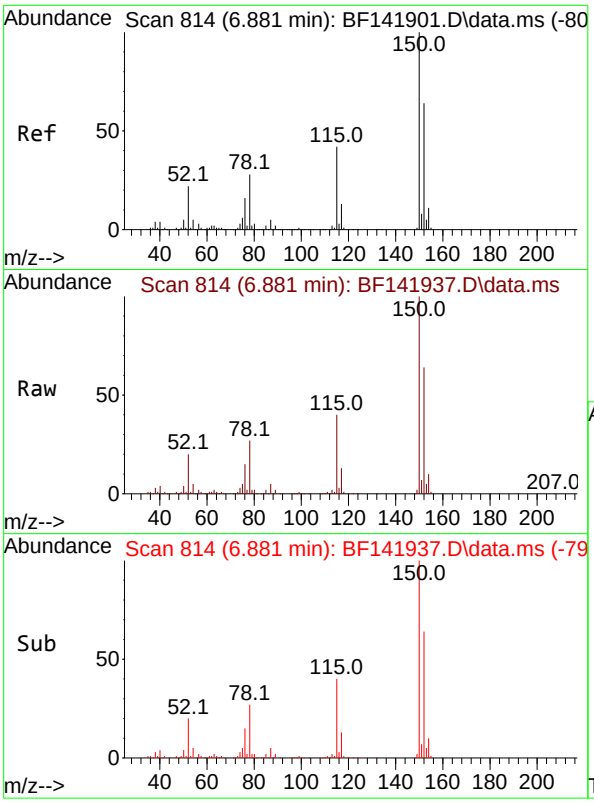
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031225\
Data File : BF141937.D
Acq On : 12 Mar 2025 14:26
Operator : RC/JU
Sample : Q1522-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-WTS-04

Quant Time: Mar 12 15:02:55 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



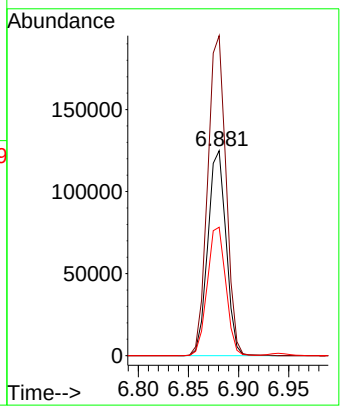


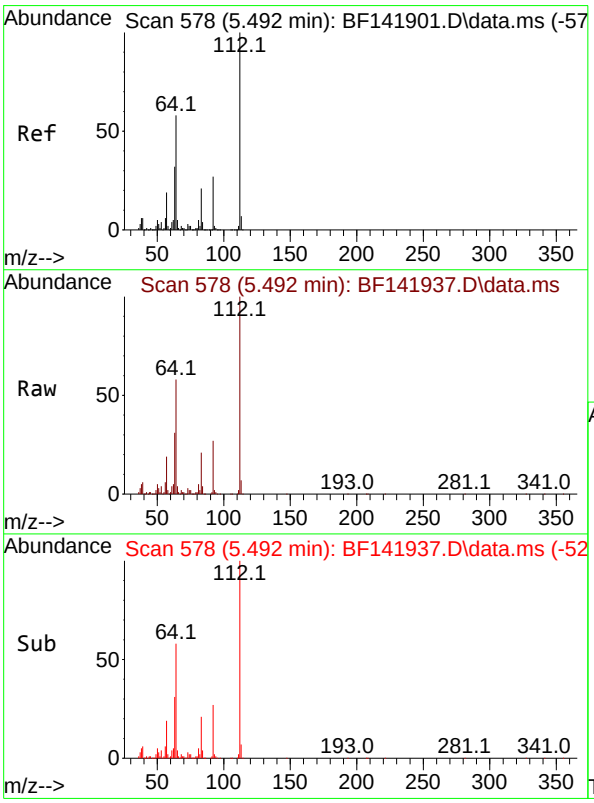
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141937.D
Acq: 12 Mar 2025 14:26

Instrument :
BNA_F
ClientSampleId :
TW-WTS-04

Tgt Ion:152 Resp: 158297

Ion	Ratio	Lower	Upper
152	100		
150	156.2	127.4	191.2
115	62.7	51.9	77.9

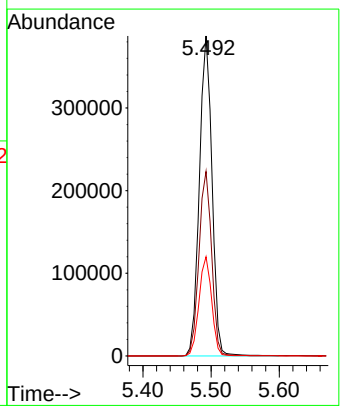


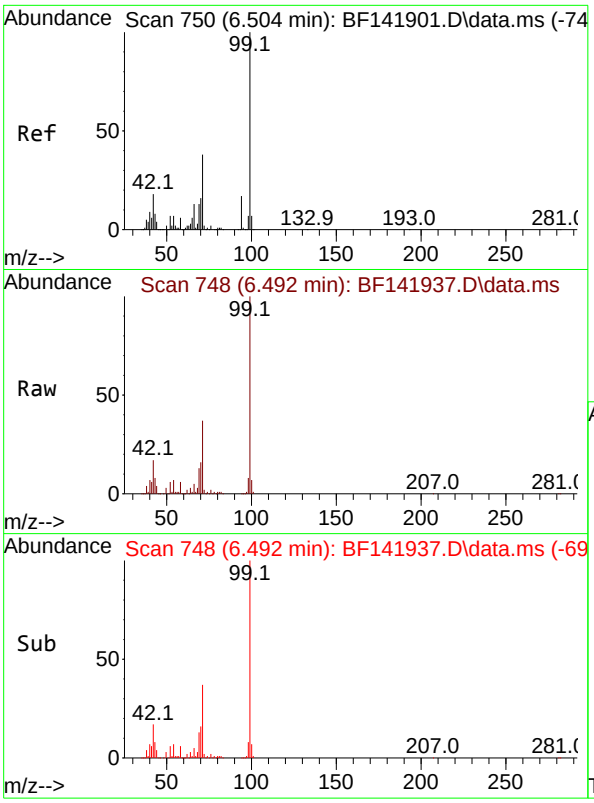


#5
2-Fluorophenol
Concen: 52.730 ng
RT: 5.492 min Scan# 578
Delta R.T. 0.000 min
Lab File: BF141937.D
Acq: 12 Mar 2025 14:26

Tgt Ion:112 Resp: 500135

Ion	Ratio	Lower	Upper
112	100		
64	57.7	46.5	69.7
63	31.0	25.4	38.2



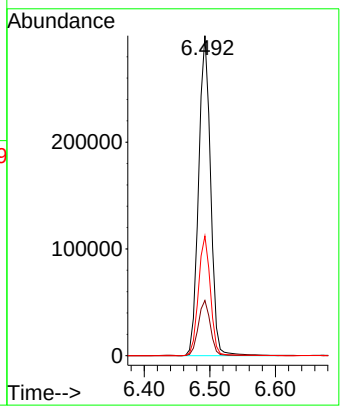


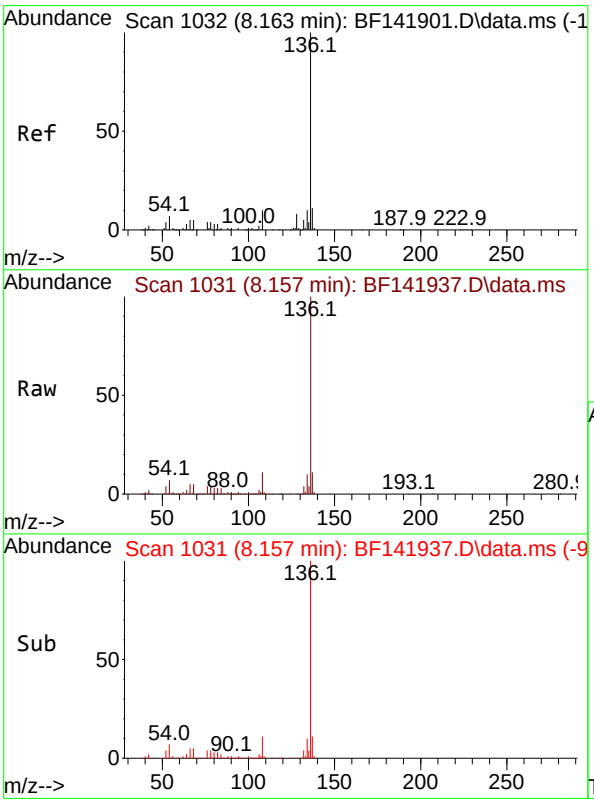
#7
Phenol-d6
Concen: 31.653 ng
RT: 6.492 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141937.D
Acq: 12 Mar 2025 14:26

Instrument :
BNA_F
ClientSampleId :
TW-WTS-04

Tgt Ion: 99 Resp: 382245

Ion	Ratio	Lower	Upper
99	100		
42	17.3	14.6	21.8
71	37.4	30.8	46.2

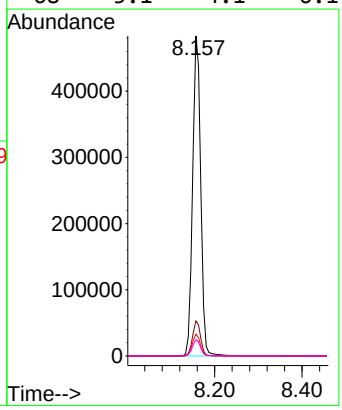


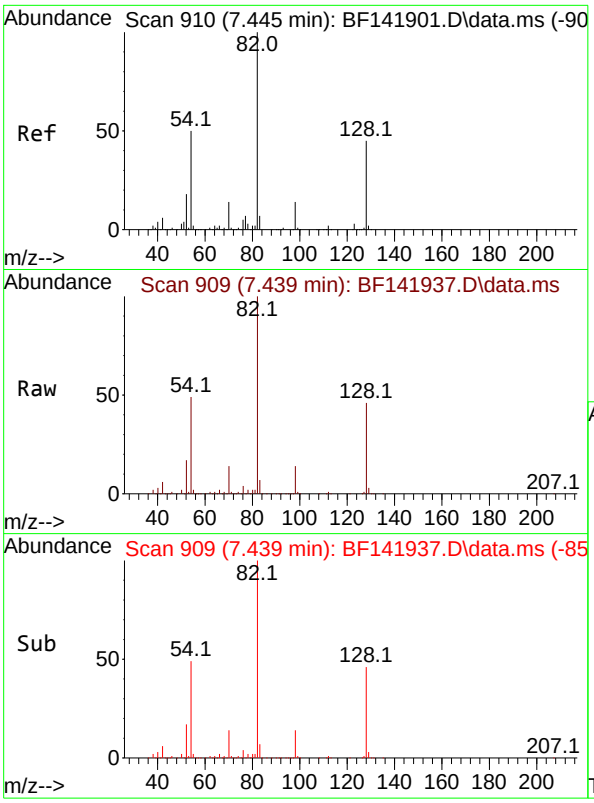


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF141937.D
Acq: 12 Mar 2025 14:26

Tgt Ion:136 Resp: 621760

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	6.8	5.8	8.8
68	5.1	4.1	6.1



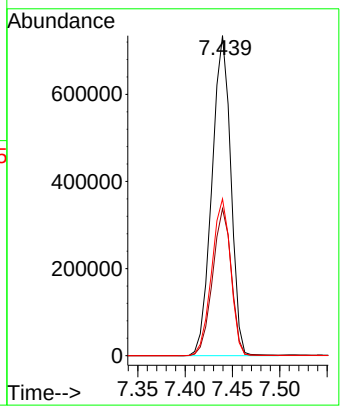


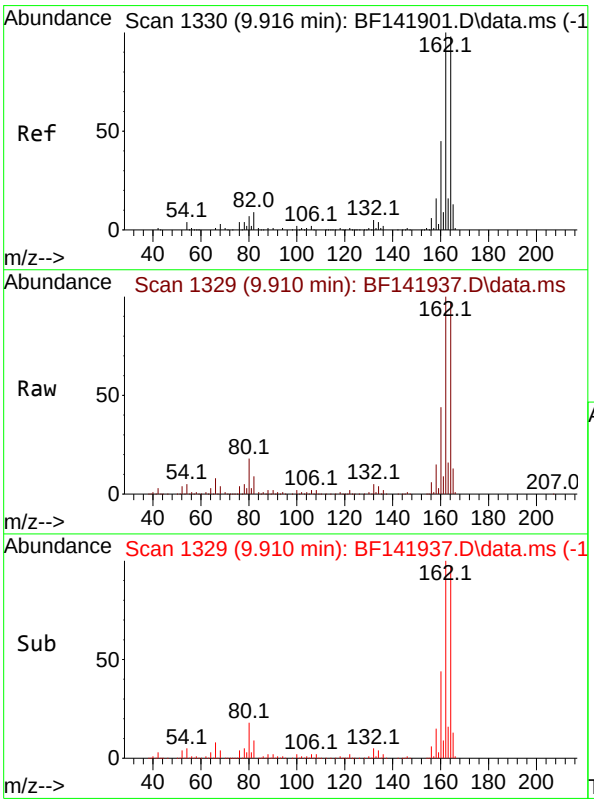
#23
Nitrobenzene-d5
Concen: 92.358 ng
RT: 7.439 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141937.D
Acq: 12 Mar 2025 14:26

Instrument :
BNA_F
ClientSampleId :
TW-WTS-04

Tgt Ion: 82 Resp: 1020410

Ion	Ratio	Lower	Upper
82	100		
128	46.0	36.0	54.0
54	49.0	39.6	59.4

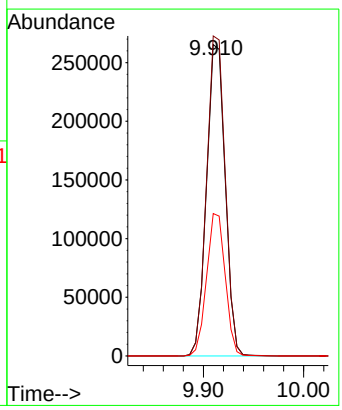


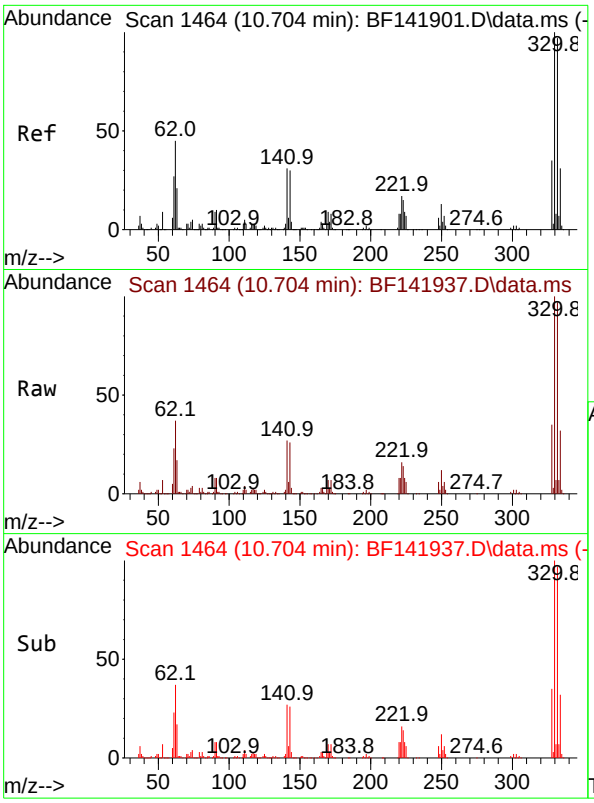


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF141937.D
Acq: 12 Mar 2025 14:26

Tgt Ion:164 Resp: 343931

Ion	Ratio	Lower	Upper
164	100		
162	102.7	81.8	122.6
160	45.7	36.7	55.1



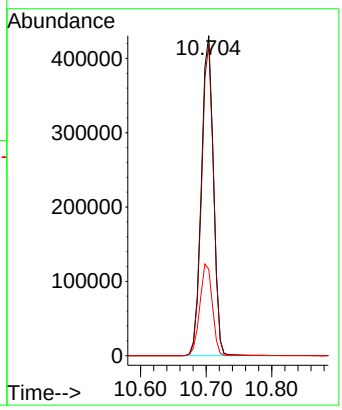


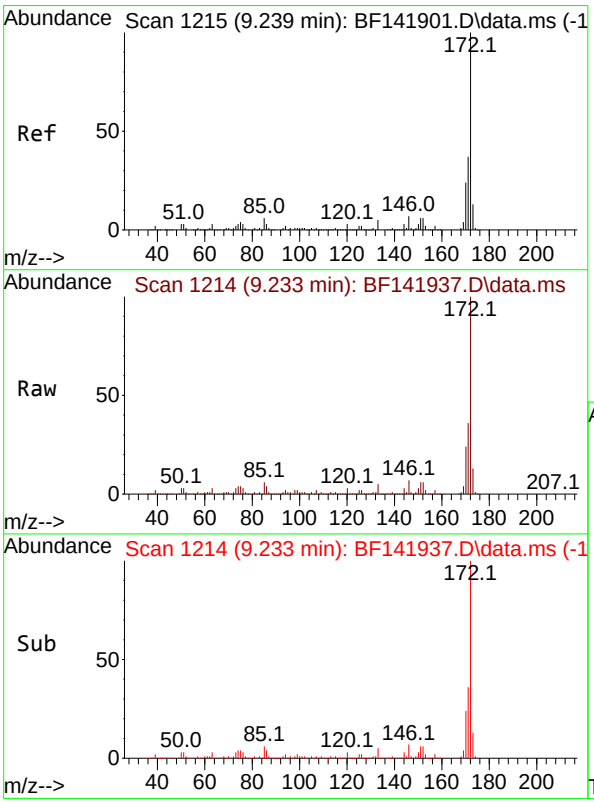
#42
2,4,6-Tribromophenol
Concen: 126.588 ng
RT: 10.704 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141937.D
Acq: 12 Mar 2025 14:26

Instrument :
BNA_F
ClientSampleId :
TW-WTS-04

Tgt Ion:330 Resp: 552332

Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.6	116.4
141	29.8	24.7	37.1

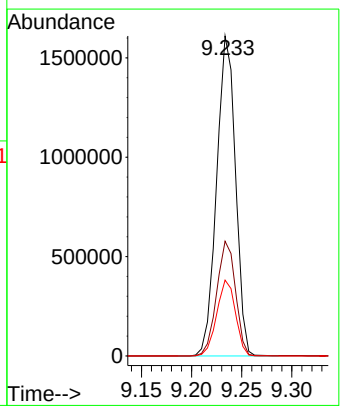


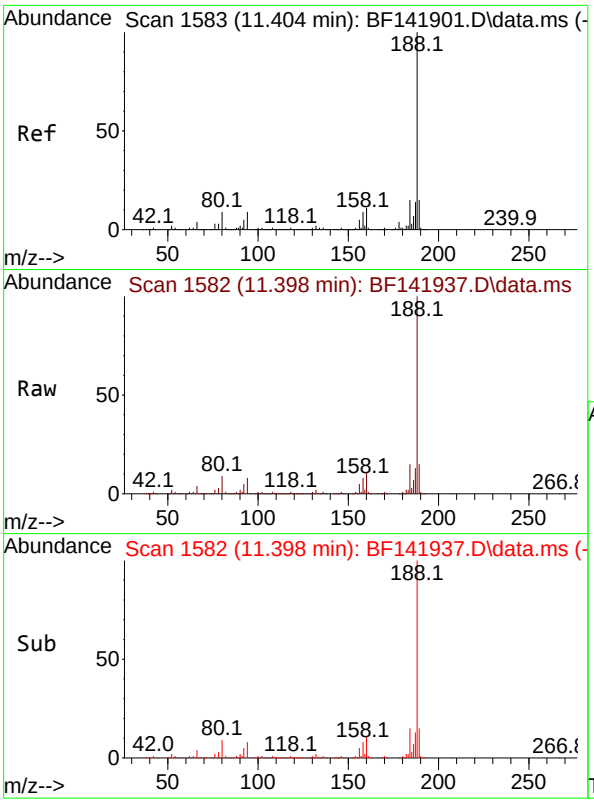


#45
2-Fluorobiphenyl
Concen: 93.073 ng
RT: 9.233 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF141937.D
Acq: 12 Mar 2025 14:26

Tgt Ion:172 Resp: 2104841

Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.3	43.9
170	23.7	19.4	29.0



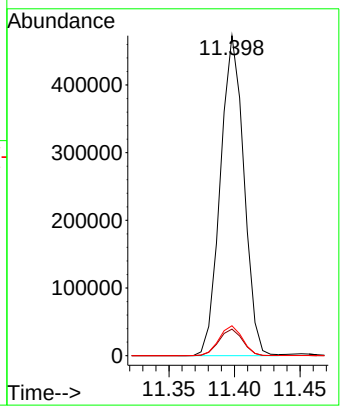


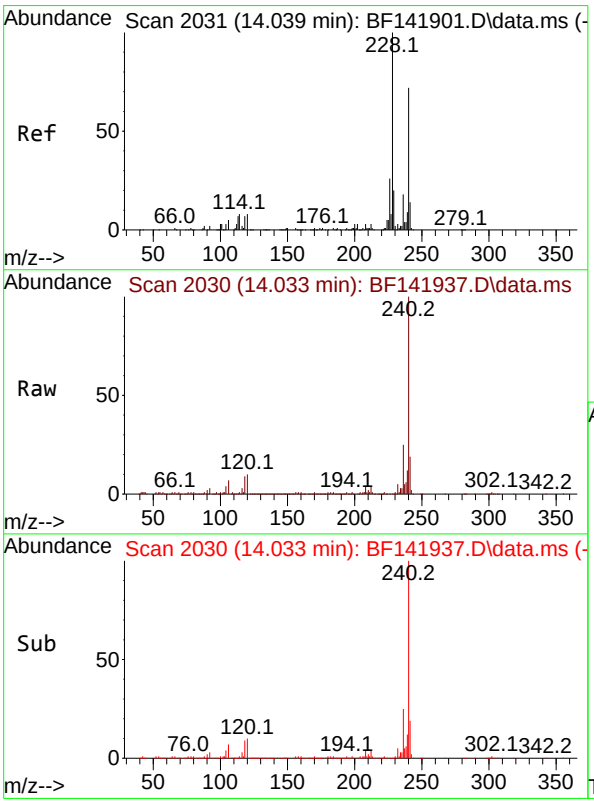
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141937.D
Acq: 12 Mar 2025 14:26

Instrument :
BNA_F
ClientSampleId :
TW-WTS-04

Tgt Ion:188 Resp: 590417

Ion	Ratio	Lower	Upper
188	100		
94	8.3	6.8	10.2
80	9.3	7.6	11.4

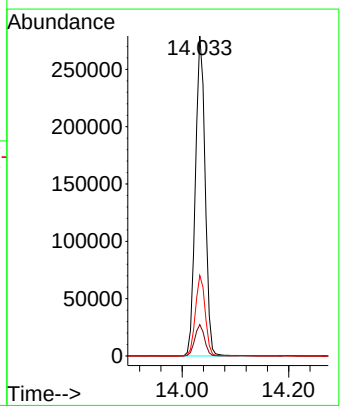


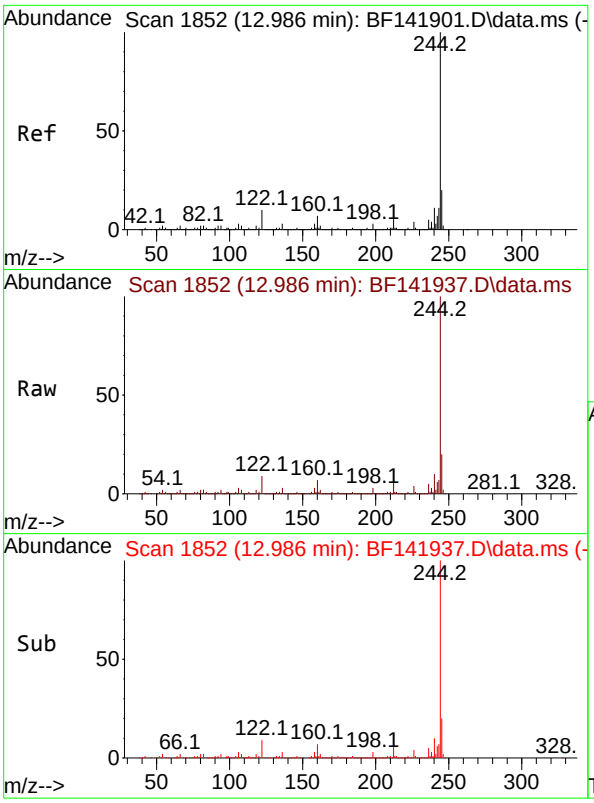


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF141937.D
Acq: 12 Mar 2025 14:26

Tgt Ion:240 Resp: 355669

Ion	Ratio	Lower	Upper
240	100		
120	9.8	8.4	12.6
236	25.2	20.5	30.7



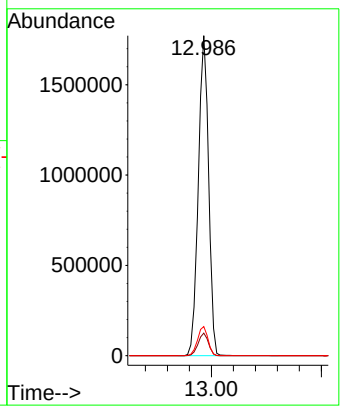


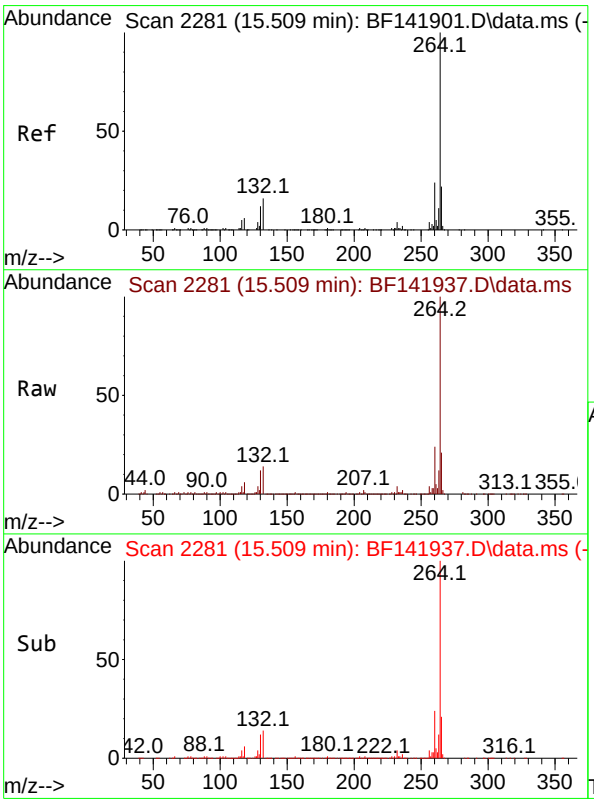
#79
Terphenyl-d14
Concen: 95.854 ng
RT: 12.986 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141937.D
Acq: 12 Mar 2025 14:26

Instrument :
BNA_F
ClientSampleId :
TW-WTS-04

Tgt Ion:244 Resp: 2305935

Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.0	9.0
122	9.1	7.7	11.5

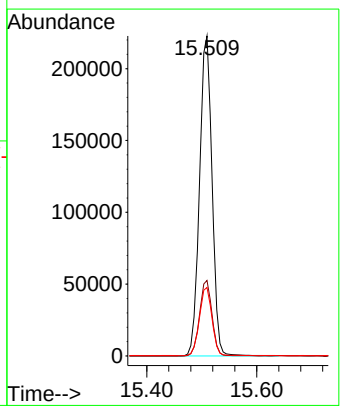




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.509 min Scan# 2281
Delta R.T. 0.000 min
Lab File: BF141937.D
Acq: 12 Mar 2025 14:26

Tgt Ion:264 Resp: 352171

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.1	28.7
265	21.4	17.5	26.3



CALIBRATION SUMMARY

Raw Data

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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM Case No.: Q1522 SAS No.: Q1522 SDG No.: Q1522

Instrument ID: BNA_F Calibration Date(s): 03/10/2025 03/10/2025

Calibration Time(s): 11:01 15:20

LAB FILE ID: RRF2.5 = BF141897.D RRF005 = BF141898.D RRF010 = BF141899.D
RRF020 = BF141900.D RRF040 = BF141901.D RRF060 = BF141903.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF060	RRF	% RSD
2-Fluorophenol		1.267	1.243	1.298	1.148	1.146	1.198	5.8
Phenol-d6		1.623	1.593	1.644	1.442	1.471	1.526	6.0
Phenol		1.708	1.675	1.747	1.536	1.532	1.605	6.3
1,4-Dichlorobenzene		1.514	1.503	1.548	1.393	1.420	1.452	4.7
Nitrobenzene-d5		0.345	0.356	0.379	0.348	0.363	0.355	3.5
1,2,4-Trichlorobenzene		0.337	0.325	0.342	0.310	0.333	0.327	3.5
Naphthalene		1.104	1.075	1.101	0.984	0.973	1.027	6.2
2-Fluorobiphenyl		1.430	1.379	1.379	1.254	1.246	1.315	5.9
2,4,6-Tribromophenol		0.234	0.236	0.259	0.250	0.265	0.254	5.7
Terphenyl-d14		1.343	1.309	1.360	1.276	1.417	1.353	3.6

All other compounds must meet a minimum RRF of 0.010.

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

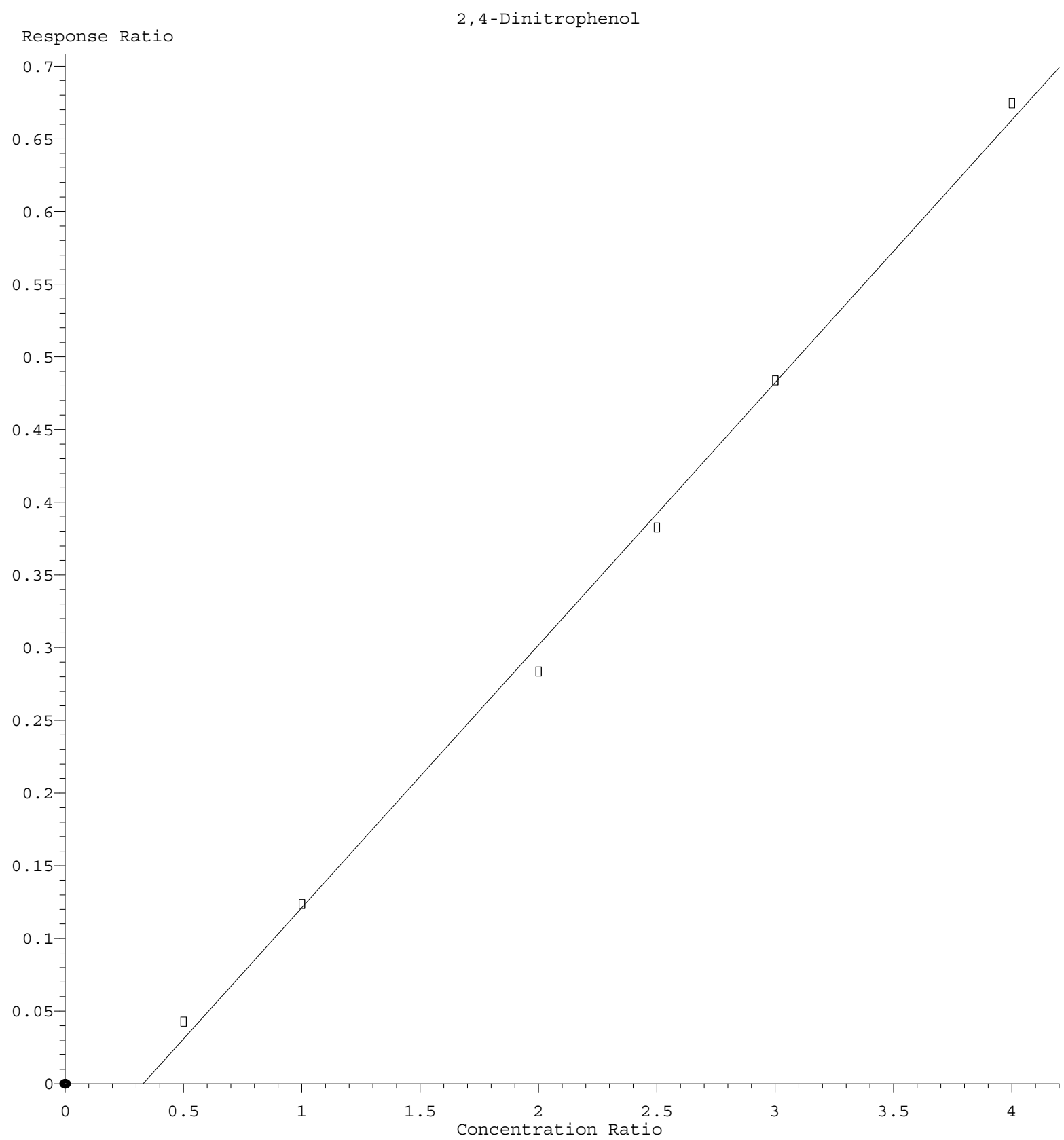
Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF031025.M

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



Response = 1.805e-001 * Amt - 5.933e-002
Coef of Det (r^2) = 0.997436 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF031025.M
Calibration Table Last Updated: Mon Mar 10 15:46:22 2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141897.D
Acq On : 10 Mar 2025 11:01
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Mar 10 15:31:44 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 15:01:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	218163	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	918034	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	548310	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	1010378	20.000	ng	0.00
76) Chrysene-d12	14.033	240	740344	20.000	ng	0.00
86) Perylene-d12	15.509	264	520745	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.000	ng	
7) Phenol-d6	0.000	99	0d	0.000	ng	
23) Nitrobenzene-d5	0.000	82	0d	0.000	ng	
42) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
45) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng	
79) Terphenyl-d14	0.000	244	0d	0.000	ng	
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.275	70	27816	2.599	ng	94

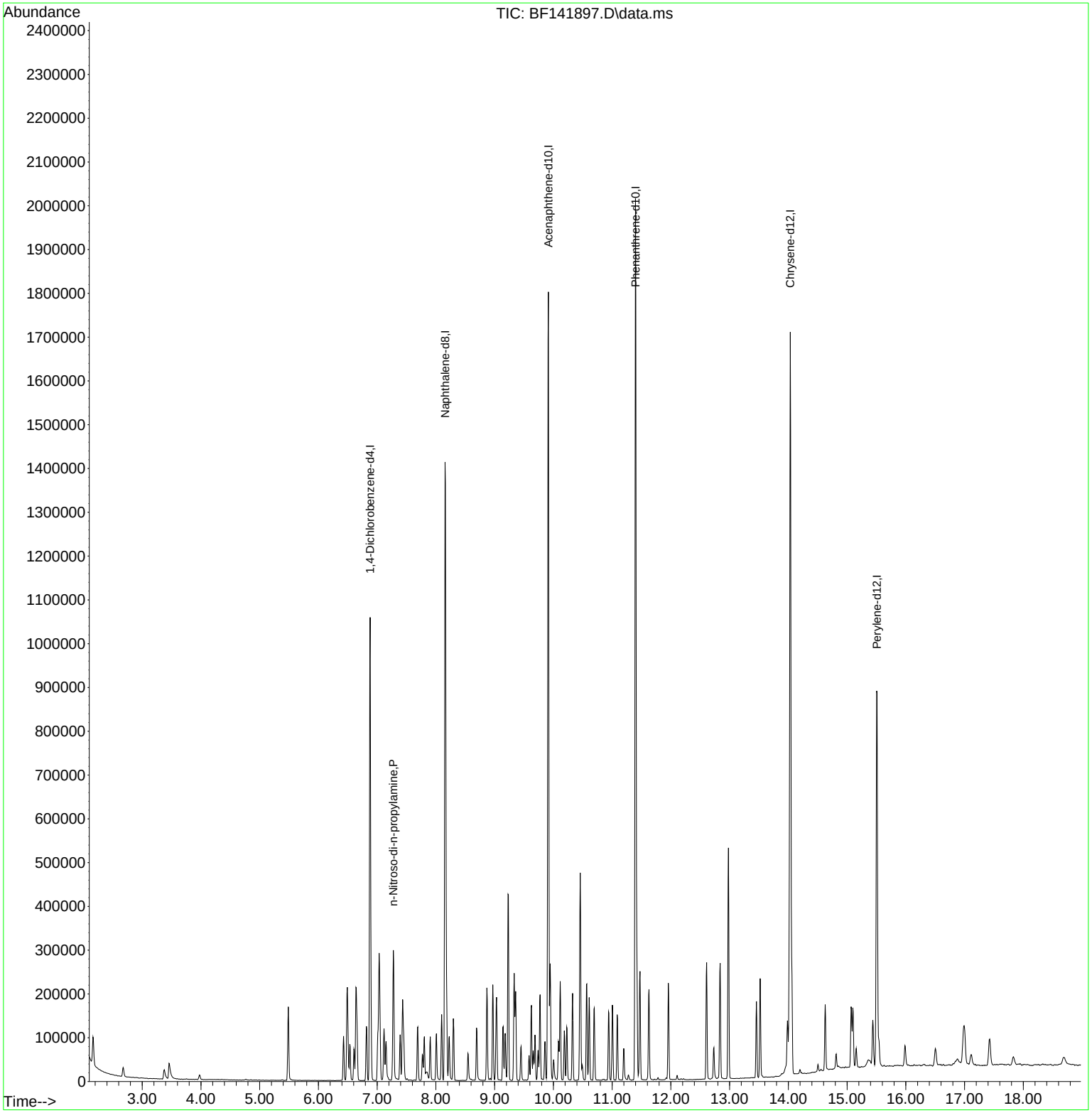
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141897.D
Acq On : 10 Mar 2025 11:01
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Mar 10 15:31:44 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 15:01:52 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141898.D
Acq On : 10 Mar 2025 11:30
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: Mar 10 15:32:38 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 15:01:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.881	152	230406	20.000	ng		0.00
21) Naphthalene-d8	8.157	136	926118	20.000	ng		0.00
39) Acenaphthene-d10	9.916	164	546702	20.000	ng		0.00
64) Phenanthrene-d10	11.398	188	1002901	20.000	ng		0.00
76) Chrysene-d12	14.033	240	745624	20.000	ng		0.00
86) Perylene-d12	15.504	264	527129	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.487	112	145959	10.570	ng		0.00
7) Phenol-d6	6.486	99	186951	10.630	ng		-0.02
23) Nitrobenzene-d5	7.433	82	159777	9.670	ng		-0.01
42) 2,4,6-Tribromophenol	10.698	330	63996	9.238	ng		0.00
45) 2-Fluorobiphenyl	9.233	172	390913	10.888	ng		0.00
79) Terphenyl-d14	12.980	244	500607	9.924	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.675	88	28210	4.874	ng		99
3) Pyridine	3.451	79	70090	4.928	ng		99
4) n-Nitrosodimethylamine	3.369	42	31893	4.717	ng	#	99
6) Aniline	6.534	93	92116	5.305	ng		100
8) 2-Chlorophenol	6.657	128	81845	5.347	ng		98
10) Phenol	6.504	94	98369	5.301	ng		96
11) bis(2-Chloroethyl)ether	6.604	93	74158	5.334	ng		98
12) 1,3-Dichlorobenzene	6.816	146	84952	5.136	ng		100
13) 1,4-Dichlorobenzene	6.898	146	87237	5.213	ng		98
14) 1,2-Dichlorobenzene	7.045	146	84183	5.342	ng		99
15) Benzyl Alcohol	7.010	79	71182	5.000	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.151	45	91659	5.470	ng		97
17) 2-Methylphenol	7.116	107	62211	5.114	ng		99
18) Hexachloroethane	7.392	117	31373	5.000	ng		96
19) n-Nitroso-di-n-propyla...	7.281	70	58981	5.218	ng		98
20) 3+4-Methylphenols	7.269	107	83461	5.349	ng		97
22) Acetophenone	7.281	105	119040	5.358	ng		99
24) Nitrobenzene	7.451	77	80338	4.904	ng		99
25) Isophorone	7.692	82	149807	5.135	ng		99
26) 2-Nitrophenol	7.775	139	34757	4.329	ng		98
27) 2,4-Dimethylphenol	7.804	122	57106	5.164	ng		96
28) bis(2-Chloroethoxy)met...	7.904	93	95214	5.210	ng		97
29) 2,4-Dichlorophenol	8.010	162	67710	4.934	ng		99
30) 1,2,4-Trichlorobenzene	8.098	180	78127	5.160	ng		98
31) Naphthalene	8.180	128	255632	5.388	ng		98
33) 4-Chloroaniline	8.228	127	88635	5.294	ng		99
34) Hexachlorobutadiene	8.298	225	48885	4.966	ng		99
35) Caprolactam	8.557	113	21358	5.118	ng		94
36) 4-Chloro-3-methylphenol	8.692	107	77370	5.070	ng		99
37) 2-Methylnaphthalene	8.869	142	172734	5.427	ng		99
38) 1-Methylnaphthalene	8.969	142	166050	5.387	ng		99
40) 1,2,4,5-Tetrachloroben...	9.033	216	84034	5.041	ng		99
41) Hexachlorocyclopentadiene	9.022	237	27931	4.246	ng		96
43) 2,4,6-Trichlorophenol	9.145	196	52998	4.877	ng		99
44) 2,4,5-Trichlorophenol	9.180	196	54111	4.901	ng		97
46) 1,1'-Biphenyl	9.333	154	223637	5.395	ng		98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141898.D
Acq On : 10 Mar 2025 11:30
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: Mar 10 15:32:38 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 15:01:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) 2-Chloronaphthalene	9.357	162	163642	5.298	ng	97
48) 2-Nitroaniline	9.451	65	40475	4.561	ng	98
49) Acenaphthylene	9.774	152	241253	5.268	ng	99
50) Dimethylphthalate	9.627	163	202373	5.328	ng	100
51) 2,6-Dinitrotoluene	9.686	165	37796	4.785	ng	99
52) Acenaphthene	9.945	154	168975	5.225	ng	98
53) 3-Nitroaniline	9.857	138	39761	4.902	ng	98
55) Dibenzofuran	10.116	168	252715	5.481	ng	97
56) 4-Nitrophenol	10.004	139	26252	4.309	ng	99
57) 2,4-Dinitrotoluene	10.092	165	49913	4.800	ng	98
58) Fluorene	10.457	166	197266	5.542	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.233	232	48472	4.839	ng	98
60) Diethylphthalate	10.327	149	201554	5.286	ng	99
61) 4-Chlorophenyl-phenyle...	10.451	204	99747	5.380	ng	98
62) 4-Nitroaniline	10.463	138	38863	4.945	ng	94
63) Azobenzene	10.610	77	190233	5.370	ng	98
66) n-Nitrosodiphenylamine	10.569	169	169225	5.223	ng	98
67) 4-Bromophenyl-phenylether	10.945	248	60238	4.823	ng	98
68) Hexachlorobenzene	11.004	284	65620	4.753	ng	98
69) Atrazine	11.092	200	54251	6.867	ng	98
70) Pentachlorophenol	11.198	266	32716	3.843	ng	100
71) Phenanthrene	11.421	178	289580	5.340	ng	98
72) Anthracene	11.474	178	294198	5.407	ng	98
73) Carbazole	11.627	167	249634	5.329	ng	99
74) Di-n-butylphthalate	11.957	149	330999	5.352	ng	99
75) Fluoranthene	12.610	202	309273	5.432	ng	99
77) Benzidine	12.733	184	64673	6.138	ng	99
78) Pyrene	12.839	202	315969	4.941	ng	99
80) Butylbenzylphthalate	13.457	149	117256	4.653	ng	99
81) Benzo(a)anthracene	14.021	228	255308	5.205	ng	100
82) 3,3'-Dichlorobenzidine	13.986	252	68969	4.865	ng	100
83) Chrysene	14.062	228	213144	4.837	ng	99
84) Bis(2-ethylhexyl)phtha...	14.015	149	167165	4.836	ng	99
85) Di-n-octyl phthalate	14.627	149	213395	4.435	ng	99
87) Indeno(1,2,3-cd)pyrene	16.980	276	144536	4.228	ng	99
88) Benzo(b)fluoranthene	15.068	252	187154	5.234	ng	99
89) Benzo(k)fluoranthene	15.098	252	153142	4.903	ng	99
90) Benzo(a)pyrene	15.439	252	137043	4.860	ng	99
91) Dibenzo(a,h)anthracene	16.998	278	119937	4.252	ng	99
92) Benzo(g,h,i)perylene	17.427	276	120142	4.294	ng	99

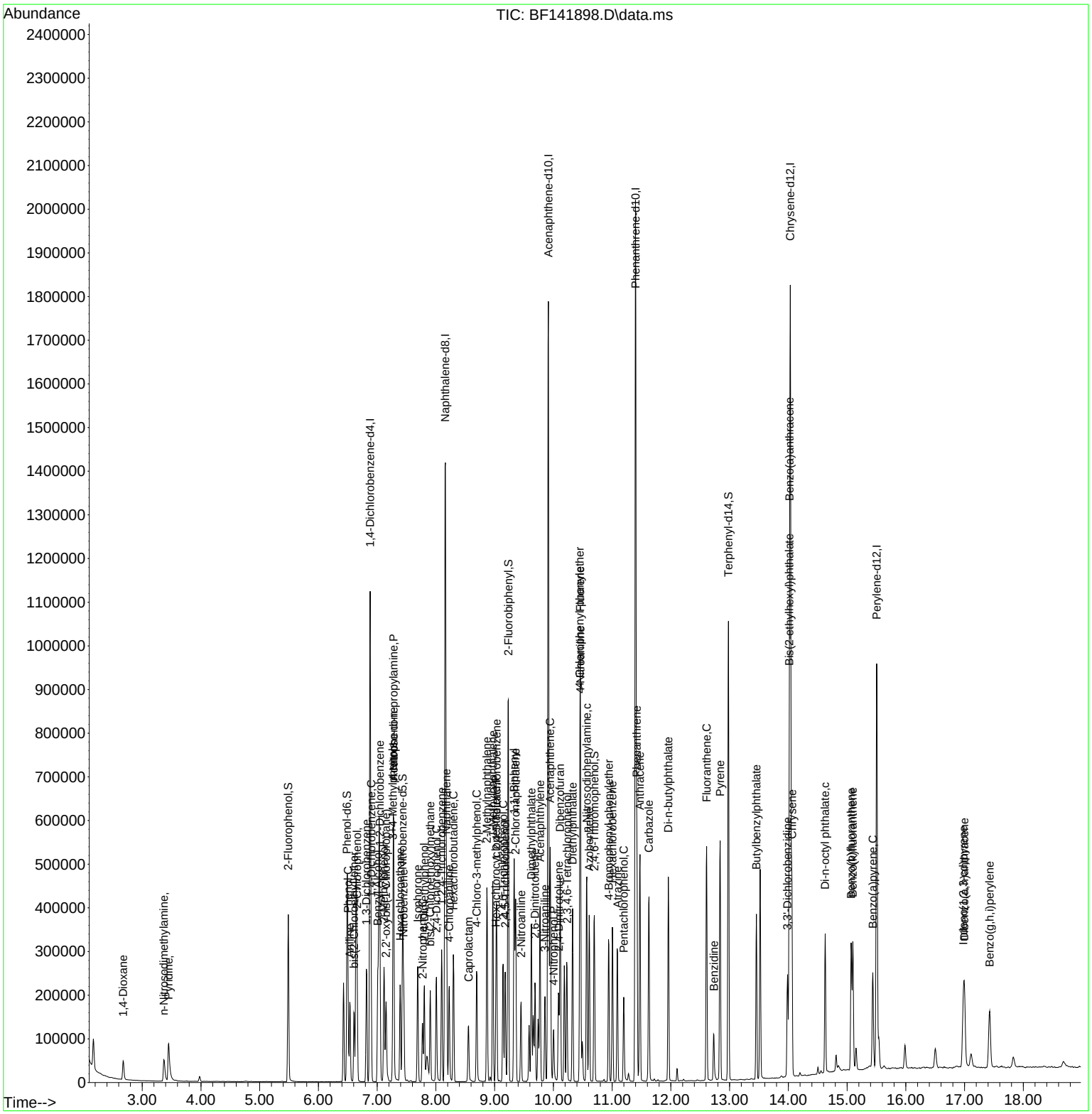
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141898.D
Acq On : 10 Mar 2025 11:30
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: Mar 10 15:32:38 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 15:01:52 2025
Response via : Initial Calibration



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141899.D
Acq On : 10 Mar 2025 12:00
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Mar 10 15:33:35 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 15:01:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.881	152	224499	20.000	ng		0.00
21) Naphthalene-d8	8.163	136	921725	20.000	ng		0.00
39) Acenaphthene-d10	9.916	164	541295	20.000	ng		0.00
64) Phenanthrene-d10	11.398	188	966771	20.000	ng		0.00
76) Chrysene-d12	14.039	240	703100	20.000	ng		0.00
86) Perylene-d12	15.510	264	510790	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.487	112	279139	20.746	ng		0.00
7) Phenol-d6	6.493	99	357672	20.872	ng		-0.01
23) Nitrobenzene-d5	7.434	82	328098	19.951	ng		-0.01
42) 2,4,6-Tribromophenol	10.698	330	127785	18.630	ng		0.00
45) 2-Fluorobiphenyl	9.234	172	746589	21.003	ng		0.00
79) Terphenyl-d14	12.980	244	920159	19.345	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.675	88	54068	9.588	ng		98
3) Pyridine	3.440	79	135148	9.752	ng		99
4) n-Nitrosodimethylamine	3.369	42	62411	9.474	ng	#	98
6) Aniline	6.540	93	179854	10.631	ng		99
8) 2-Chlorophenol	6.657	128	151998	10.192	ng		97
9) Benzaldehyde	6.428	77	114586	11.963	ng		99
10) Phenol	6.504	94	187967	10.396	ng		98
11) bis(2-Chloroethyl)ether	6.610	93	139813	10.321	ng		99
12) 1,3-Dichlorobenzene	6.822	146	167192	10.374	ng		98
13) 1,4-Dichlorobenzene	6.898	146	168717	10.347	ng		98
14) 1,2-Dichlorobenzene	7.051	146	159032	10.357	ng		98
15) Benzyl Alcohol	7.010	79	140530	10.132	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	171225	10.487	ng		98
17) 2-Methylphenol	7.116	107	117869	9.945	ng		99
18) Hexachloroethane	7.392	117	61809	10.111	ng		100
19) n-Nitroso-di-n-propyla...	7.281	70	112281	10.194	ng		97
20) 3+4-Methylphenols	7.269	107	156526	10.296	ng		92
22) Acetophenone	7.281	105	227350	10.282	ng		99
24) Nitrobenzene	7.457	77	161777	9.922	ng		99
25) Isophorone	7.692	82	285760	9.842	ng		99
26) 2-Nitrophenol	7.775	139	73301	9.174	ng		98
27) 2,4-Dimethylphenol	7.804	122	107669	9.784	ng		99
28) bis(2-Chloroethoxy)met...	7.904	93	187307	10.298	ng		98
29) 2,4-Dichlorophenol	8.010	162	135772	9.941	ng		98
30) 1,2,4-Trichlorobenzene	8.098	180	149790	9.941	ng		99
31) Naphthalene	8.181	128	495470	10.493	ng		99
32) Benzoic acid	7.869	122	68640	7.136	ng		98
33) 4-Chloroaniline	8.228	127	173977	10.441	ng		98
34) Hexachlorobutadiene	8.298	225	97298	9.931	ng		98
35) Caprolactam	8.563	113	41208	9.922	ng		97
36) 4-Chloro-3-methylphenol	8.698	107	152340	10.029	ng		96
37) 2-Methylnaphthalene	8.869	142	326733	10.313	ng		99
38) 1-Methylnaphthalene	8.969	142	318324	10.376	ng		98
40) 1,2,4,5-Tetrachloroben...	9.034	216	163481	9.905	ng		99
41) Hexachlorocyclopentadiene	9.022	237	59769	9.177	ng		99
43) 2,4,6-Trichlorophenol	9.145	196	105191	9.777	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141899.D
Acq On : 10 Mar 2025 12:00
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Mar 10 15:33:35 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 15:01:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.181	196	105943	9.692	ng		99
46) 1,1'-Biphenyl	9.334	154	425640	10.372	ng		98
47) 2-Chloronaphthalene	9.357	162	308729	10.094	ng		98
48) 2-Nitroaniline	9.451	65	84854	9.658	ng		98
49) Acenaphthylene	9.775	152	470801	10.383	ng		99
50) Dimethylphthalate	9.628	163	382722	10.176	ng		100
51) 2,6-Dinitrotoluene	9.692	165	75577	9.663	ng		97
52) Acenaphthene	9.945	154	323406	10.101	ng		100
53) 3-Nitroaniline	9.857	138	79944	9.955	ng		96
54) 2,4-Dinitrophenol	9.963	184	23121	11.386	ng	#	71
55) Dibenzofuran	10.116	168	483596	10.593	ng		98
56) 4-Nitrophenol	10.004	139	58549	9.706	ng		98
57) 2,4-Dinitrotoluene	10.092	165	103313	10.035	ng		98
58) Fluorene	10.463	166	368370	10.452	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.233	232	98725	9.954	ng		99
60) Diethylphthalate	10.328	149	398003	10.542	ng		100
61) 4-Chlorophenyl-phenyle...	10.451	204	186237	10.145	ng		99
62) 4-Nitroaniline	10.463	138	78048	10.030	ng		97
63) Azobenzene	10.610	77	368982	10.521	ng		99
65) 4,6-Dinitro-2-methylph...	10.498	198	40348	7.040	ng		99
66) n-Nitrosodiphenylamine	10.569	169	314758	10.078	ng		99
67) 4-Bromophenyl-phenylether	10.945	248	120534	10.011	ng		97
68) Hexachlorobenzene	11.010	284	129242	9.712	ng		98
69) Atrazine	11.092	200	102822	13.502	ng		99
70) Pentachlorophenol	11.198	266	73112	8.909	ng		99
71) Phenanthrene	11.422	178	556546	10.646	ng		98
72) Anthracene	11.475	178	550767	10.501	ng		100
73) Carbazole	11.628	167	480520	10.641	ng		99
74) Di-n-butylphthalate	11.957	149	638429	10.708	ng		99
75) Fluoranthene	12.610	202	592806	10.801	ng		99
77) Benzidine	12.733	184	108761	10.946	ng		99
78) Pyrene	12.839	202	580442	9.626	ng		99
80) Butylbenzylphthalate	13.457	149	230714	9.710	ng		98
81) Benzo(a)anthracene	14.027	228	458422	9.911	ng		99
82) 3,3'-Dichlorobenzidine	13.986	252	136843	10.236	ng		99
83) Chrysene	14.063	228	419687	10.100	ng		99
84) Bis(2-ethylhexyl)phtha...	14.016	149	320536	9.833	ng		99
85) Di-n-octyl phthalate	14.627	149	428377	9.442	ng		100
87) Indeno(1,2,3-cd)pyrene	16.986	276	291723	8.807	ng		99
88) Benzo(b)fluoranthene	15.074	252	334664	9.659	ng		99
89) Benzo(k)fluoranthene	15.104	252	323772	10.698	ng		99
90) Benzo(a)pyrene	15.439	252	266149	9.740	ng		99
91) Dibenzo(a,h)anthracene	17.004	278	243443	8.907	ng		98
92) Benzo(g,h,i)perylene	17.433	276	242380	8.941	ng		99

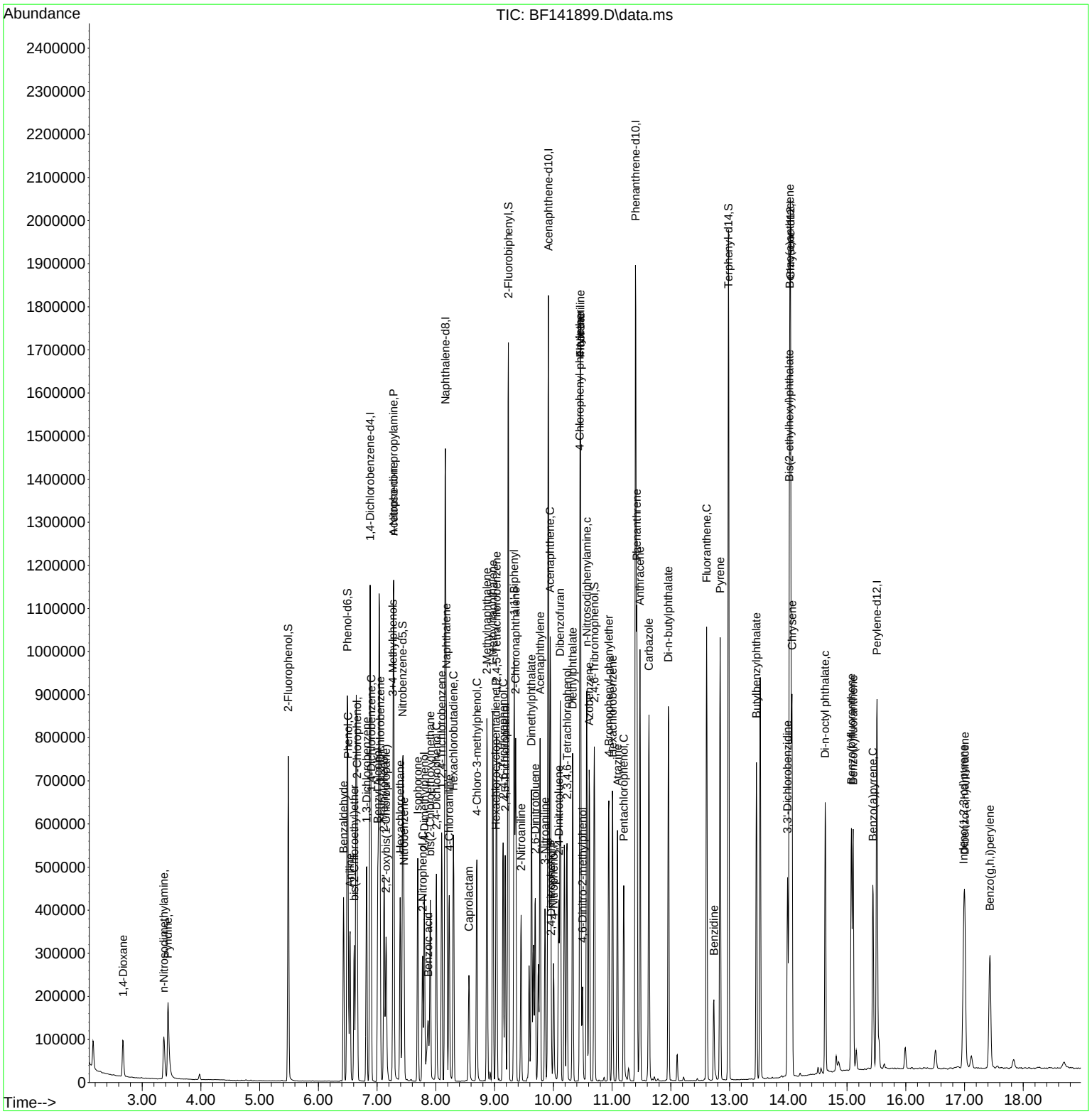
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141899.D
Acq On : 10 Mar 2025 12:00
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Mar 10 15:33:35 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 15:01:52 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141900.D
Acq On : 10 Mar 2025 12:29
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Mar 10 15:34:30 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 15:01:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	198053	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	797548	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	470833	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	826085	20.000	ng	0.00
76) Chrysene-d12	14.039	240	581591	20.000	ng	0.00
86) Perylene-d12	15.509	264	428960	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	514189	43.318	ng	0.00
7) Phenol-d6	6.498	99	651272	43.079	ng	0.00
23) Nitrobenzene-d5	7.439	82	604270	42.465	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	243832	40.869	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	1298709	42.002	ng	0.00
79) Terphenyl-d14	12.986	244	1582373	40.218	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.669	88	106079	21.323	ng	99
3) Pyridine	3.434	79	264229	21.612	ng	100
4) n-Nitrosodimethylamine	3.375	42	122948	21.155	ng	99
6) Aniline	6.539	93	324802	21.763	ng	99
8) 2-Chlorophenol	6.663	128	284082	21.592	ng	99
9) Benzaldehyde	6.428	77	193024	22.843	ng	98
10) Phenol	6.510	94	346008	21.692	ng	97
11) bis(2-Chloroethyl)ether	6.610	93	253793	21.236	ng	98
12) 1,3-Dichlorobenzene	6.822	146	304632	21.426	ng	98
13) 1,4-Dichlorobenzene	6.898	146	306665	21.319	ng	100
14) 1,2-Dichlorobenzene	7.051	146	289199	21.349	ng	99
15) Benzyl Alcohol	7.016	79	261893	21.402	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	303847	21.095	ng	99
17) 2-Methylphenol	7.122	107	222173	21.248	ng	97
18) Hexachloroethane	7.392	117	114019	21.141	ng	99
19) n-Nitroso-di-n-propyla...	7.286	70	206654	21.268	ng	97
20) 3+4-Methylphenols	7.275	107	291065	21.702	ng	99
22) Acetophenone	7.286	105	409149	21.385	ng	99
24) Nitrobenzene	7.457	77	299046	21.196	ng	99
25) Isophorone	7.698	82	522239	20.788	ng	100
26) 2-Nitrophenol	7.775	139	144979	20.970	ng	99
27) 2,4-Dimethylphenol	7.804	122	200058	21.009	ng	100
28) bis(2-Chloroethoxy)met...	7.904	93	331966	21.093	ng	99
29) 2,4-Dichlorophenol	8.010	162	246810	20.884	ng	100
30) 1,2,4-Trichlorobenzene	8.098	180	272773	20.922	ng	97
31) Naphthalene	8.181	128	877897	21.487	ng	99
32) Benzoic acid	7.892	122	152420	18.313	ng	99
33) 4-Chloroaniline	8.228	127	313249	21.726	ng	98
34) Hexachlorobutadiene	8.298	225	176253	20.791	ng	99
35) Caprolactam	8.580	113	75048	20.884	ng	99
36) 4-Chloro-3-methylphenol	8.698	107	278207	21.168	ng	100
37) 2-Methylnaphthalene	8.875	142	584552	21.324	ng	99
38) 1-Methylnaphthalene	8.975	142	575428	21.677	ng	99
40) 1,2,4,5-Tetrachloroben...	9.039	216	294845	20.538	ng	99
41) Hexachlorocyclopentadiene	9.028	237	117174	20.685	ng	100
43) 2,4,6-Trichlorophenol	9.145	196	189069	20.203	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141900.D
Acq On : 10 Mar 2025 12:29
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Mar 10 15:34:30 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 15:01:52 2025
Response via : Initial Calibration

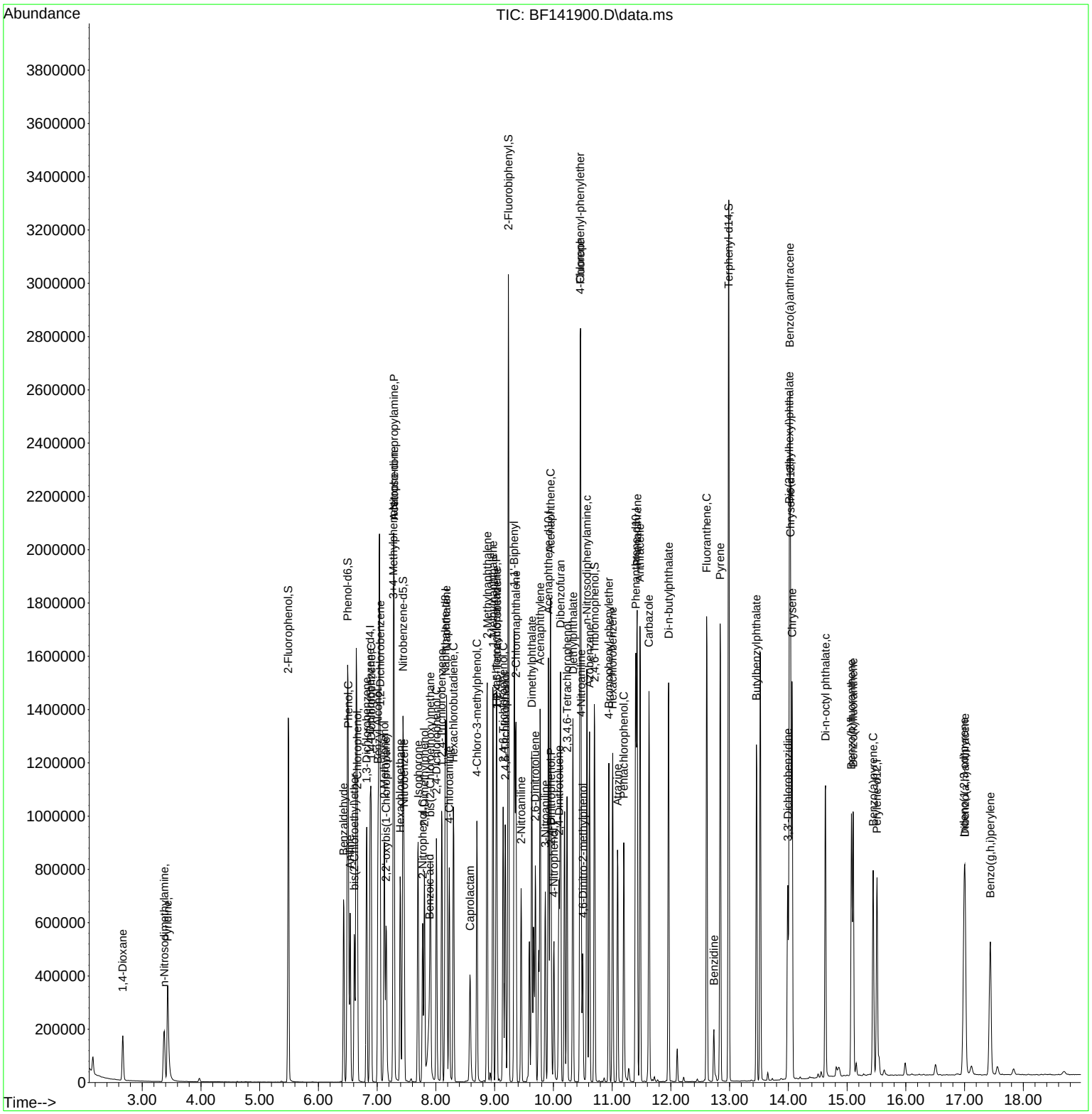
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.180	196	198841	20.912	ng		99
46) 1,1'-Biphenyl	9.333	154	749087	20.985	ng		100
47) 2-Chloronaphthalene	9.363	162	555946	20.898	ng		98
48) 2-Nitroaniline	9.451	65	162790	21.302	ng		97
49) Acenaphthylene	9.775	152	837016	21.222	ng		99
50) Dimethylphthalate	9.633	163	691454	21.137	ng		100
51) 2,6-Dinitrotoluene	9.692	165	143513	21.096	ng		100
52) Acenaphthene	9.951	154	579623	20.813	ng		98
53) 3-Nitroaniline	9.863	138	148977	21.327	ng		98
54) 2,4-Dinitrophenol	9.963	184	58223	20.368	ng	#	33
55) Dibenzofuran	10.122	168	843359	21.238	ng		98
56) 4-Nitrophenol	10.010	139	109958	20.955	ng		100
57) 2,4-Dinitrotoluene	10.098	165	189234	21.132	ng		98
58) Fluorene	10.463	166	650245	21.211	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.233	232	183513	21.272	ng		99
60) Diethylphthalate	10.333	149	704993	21.468	ng		100
61) 4-Chlorophenyl-phenyle...	10.457	204	330489	20.698	ng		99
62) 4-Nitroaniline	10.474	138	142995	21.125	ng		99
63) Azobenzene	10.616	77	660935	21.665	ng		99
65) 4,6-Dinitro-2-methylph...	10.504	198	91852	18.755	ng		98
66) n-Nitrosodiphenylamine	10.569	169	553905	20.756	ng		99
67) 4-Bromophenyl-phenylether	10.945	248	210241	20.436	ng		100
68) Hexachlorobenzene	11.010	284	234399	20.613	ng		99
69) Atrazine	11.092	200	159306	24.481	ng		99
70) Pentachlorophenol	11.198	266	141842	20.227	ng		100
71) Phenanthrene	11.427	178	939782	21.038	ng		99
72) Anthracene	11.474	178	940875	20.993	ng		99
73) Carbazole	11.627	167	813998	21.096	ng		100
74) Di-n-butylphthalate	11.963	149	1089304	21.382	ng		99
75) Fluoranthene	12.610	202	1014464	21.632	ng		100
77) Benzidine	12.733	184	110648	13.463	ng		99
78) Pyrene	12.839	202	1004157	20.133	ng		99
80) Butylbenzylphthalate	13.457	149	408044	20.761	ng		98
81) Benzo(a)anthracene	14.027	228	776120	20.285	ng		99
82) 3,3'-Dichlorobenzidine	13.992	252	221168	19.999	ng		99
83) Chrysene	14.062	228	732966	21.325	ng		100
84) Bis(2-ethylhexyl)phtha...	14.015	149	562062	20.845	ng		99
85) Di-n-octyl phthalate	14.633	149	778373	20.740	ng		100
87) Indeno(1,2,3-cd)pyrene	16.992	276	560913	20.163	ng		99
88) Benzo(b)fluoranthene	15.074	252	636808	21.886	ng		100
89) Benzo(k)fluoranthene	15.104	252	513311	20.196	ng		99
90) Benzo(a)pyrene	15.445	252	481683	20.991	ng		100
91) Dibenzo(a,h)anthracene	17.009	278	460109	20.046	ng		99
92) Benzo(g,h,i)perylene	17.439	276	455034	19.987	ng		99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141900.D
Acq On : 10 Mar 2025 12:29
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Mar 10 15:34:30 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 15:01:52 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141901.D
Acq On : 10 Mar 2025 12:58
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Mar 10 15:35:20 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 15:01:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	222904	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	874166	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	493744	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	839154	20.000	ng	0.00
76) Chrysene-d12	14.039	240	569865	20.000	ng	0.00
86) Perylene-d12	15.509	264	469286	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	1023722	76.628	ng	0.00
7) Phenol-d6	6.504	99	1285980	75.580	ng	0.00
23) Nitrobenzene-d5	7.445	82	1216280	77.983	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	493945	78.949	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	2475837	76.357	ng	0.00
79) Terphenyl-d14	12.986	244	2908357	75.440	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.675	88	224795	40.148	ng	100
3) Pyridine	3.440	79	544434	39.565	ng	100
4) n-Nitrosodimethylamine	3.393	42	259739	39.710	ng	100
6) Aniline	6.545	93	653060	38.879	ng	100
8) 2-Chlorophenol	6.669	128	561230	37.902	ng	100
9) Benzaldehyde	6.434	77	346818	36.467	ng	100
10) Phenol	6.522	94	684724	38.141	ng	100
11) bis(2-Chloroethyl)ether	6.616	93	510214	37.932	ng	100
12) 1,3-Dichlorobenzene	6.822	146	611938	38.242	ng	100
13) 1,4-Dichlorobenzene	6.898	146	620951	38.355	ng	100
14) 1,2-Dichlorobenzene	7.051	146	581043	38.111	ng	100
15) Benzyl Alcohol	7.022	79	528444	38.371	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.157	45	607522	37.476	ng	100
17) 2-Methylphenol	7.128	107	449433	38.190	ng	100
18) Hexachloroethane	7.392	117	230613	37.993	ng	100
19) n-Nitroso-di-n-propyla...	7.298	70	407069	37.223	ng	100
20) 3+4-Methylphenols	7.281	107	576902	38.219	ng	100
22) Acetophenone	7.292	105	804747	38.376	ng	100
24) Nitrobenzene	7.463	77	604738	39.106	ng	100
25) Isophorone	7.704	82	1049049	38.097	ng	100
26) 2-Nitrophenol	7.781	139	305349	40.295	ng	100
27) 2,4-Dimethylphenol	7.810	122	403621	38.671	ng	100
28) bis(2-Chloroethoxy)met...	7.910	93	650344	37.702	ng	100
29) 2,4-Dichlorophenol	8.016	162	500239	38.619	ng	100
30) 1,2,4-Trichlorobenzene	8.104	180	541182	37.870	ng	100
31) Naphthalene	8.186	128	1719643	38.400	ng	100
32) Benzoic acid	7.928	122	363328	39.827	ng	100
33) 4-Chloroaniline	8.228	127	613535	38.824	ng	100
34) Hexachlorobutadiene	8.304	225	355740	38.285	ng	100
35) Caprolactam	8.604	113	147056	37.335	ng	100
36) 4-Chloro-3-methylphenol	8.704	107	555328	38.549	ng	100
37) 2-Methylnaphthalene	8.875	142	1141228	37.983	ng	100
38) 1-Methylnaphthalene	8.975	142	1089576	37.447	ng	100
40) 1,2,4,5-Tetrachloroben...	9.039	216	584322	38.814	ng	100
41) Hexachlorocyclopentadiene	9.028	237	246666	41.523	ng	100
43) 2,4,6-Trichlorophenol	9.145	196	392696	40.014	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141901.D
Acq On : 10 Mar 2025 12:58
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Mar 10 15:35:20 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 15:01:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	384539	38.566	ng	100
46) 1,1'-Biphenyl	9.339	154	1436040	38.362	ng	100
47) 2-Chloronaphthalene	9.363	162	1077099	38.609	ng	100
48) 2-Nitroaniline	9.457	65	318068	39.690	ng	100
49) Acenaphthylene	9.780	152	1614250	39.029	ng	100
50) Dimethylphthalate	9.639	163	1312856	38.270	ng	100
51) 2,6-Dinitrotoluene	9.698	165	281695	39.486	ng	100
52) Acenaphthene	9.951	154	1132087	38.764	ng	100
53) 3-Nitroaniline	9.869	138	289208	39.481	ng	100
54) 2,4-Dinitrophenol	9.969	184	140024	38.116	ng	100
55) Dibenzofuran	10.122	168	1593454	38.266	ng	100
56) 4-Nitrophenol	10.016	139	227070	41.266	ng	100
57) 2,4-Dinitrotoluene	10.104	165	370337	39.437	ng	100
58) Fluorene	10.469	166	1213316	37.742	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.239	232	354863	39.225	ng	100
60) Diethylphthalate	10.339	149	1319116	38.304	ng	100
61) 4-Chlorophenyl-phenyle...	10.457	204	635445	37.950	ng	100
62) 4-Nitroaniline	10.480	138	284615	40.097	ng	100
63) Azobenzene	10.616	77	1229473	38.432	ng	100
65) 4,6-Dinitro-2-methylph...	10.510	198	203106	40.827	ng	100
66) n-Nitrosodiphenylamine	10.574	169	1041349	38.415	ng	100
67) 4-Bromophenyl-phenylether	10.945	248	409602	39.195	ng	100
68) Hexachlorobenzene	11.010	284	452189	39.146	ng	100
69) Atrazine	11.098	200	275084	41.614	ng	100
70) Pentachlorophenol	11.204	266	297893	41.818	ng	100
71) Phenanthrene	11.427	178	1741309	38.373	ng	100
72) Anthracene	11.480	178	1756035	38.571	ng	100
73) Carbazole	11.633	167	1524663	38.898	ng	100
74) Di-n-butylphthalate	11.963	149	1975625	38.175	ng	100
75) Fluoranthene	12.616	202	1860202	39.049	ng	100
77) Benzidine	12.733	184	410026	50.915	ng	100
78) Pyrene	12.845	202	1835917	37.567	ng	100
80) Butylbenzylphthalate	13.463	149	746613	38.769	ng	100
81) Benzo(a)anthracene	14.027	228	1451332	38.713	ng	100
82) 3,3'-Dichlorobenzidine	13.992	252	423835	39.114	ng	100
83) Chrysene	14.068	228	1294538	38.439	ng	100
84) Bis(2-ethylhexyl)phtha...	14.021	149	1029987	38.985	ng	100
85) Di-n-octyl phthalate	14.633	149	1441248	39.193	ng	100
87) Indeno(1,2,3-cd)pyrene	16.998	276	1207616	39.681	ng	100
88) Benzo(b)fluoranthene	15.080	252	1135547	35.673	ng	100
89) Benzo(k)fluoranthene	15.109	252	1130615	40.661	ng	100
90) Benzo(a)pyrene	15.451	252	972220	38.727	ng	100
91) Dibenzo(a,h)anthracene	17.021	278	1002747	39.933	ng	100
92) Benzo(g,h,i)perylene	17.451	276	999947	40.149	ng	100

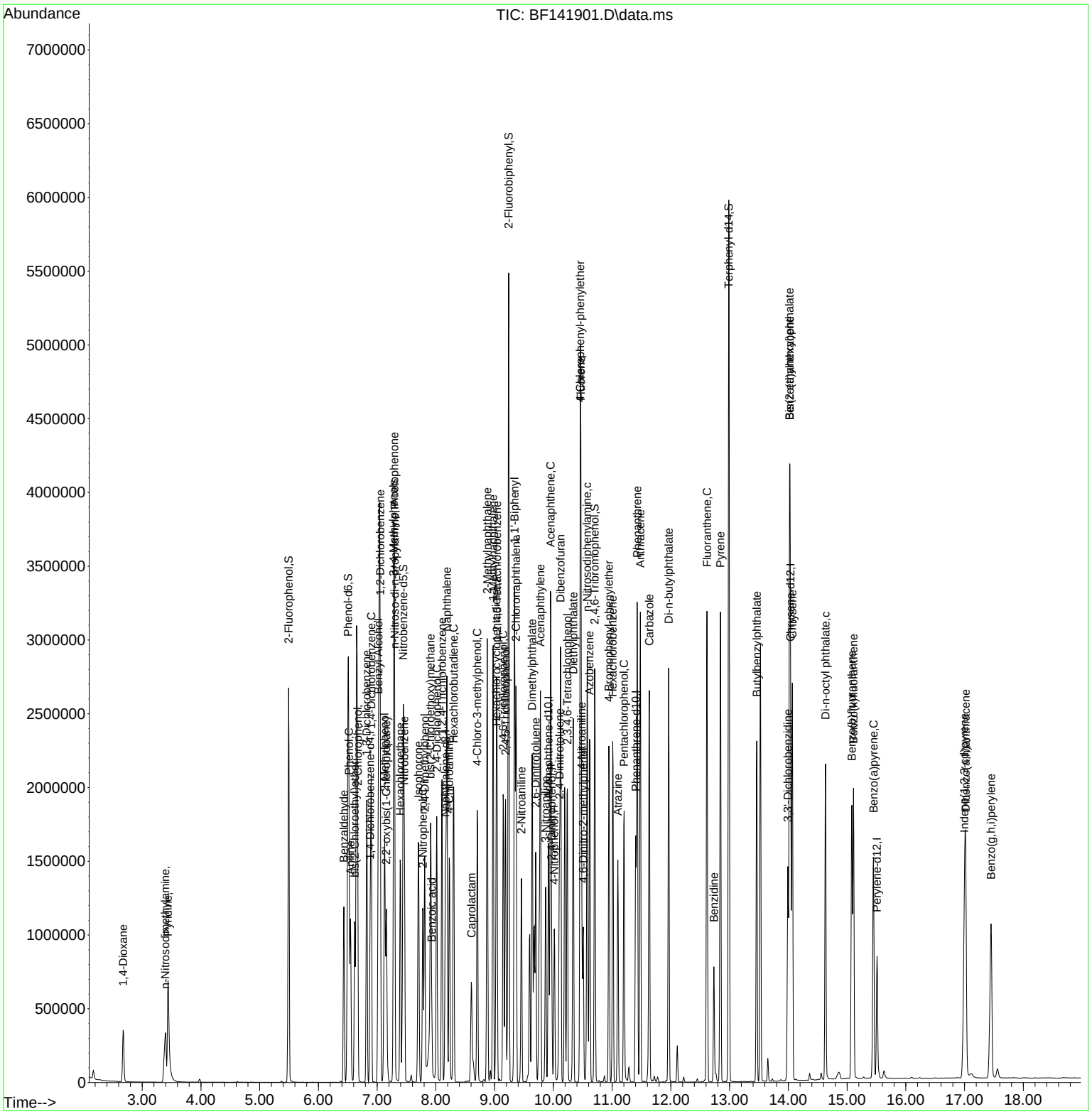
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141901.D
Acq On : 10 Mar 2025 12:58
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Mar 10 15:35:20 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 15:01:52 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141903.D
Acq On : 10 Mar 2025 13:57
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Mar 10 15:37:05 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 15:01:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.881	152	216861	20.000	ng		0.00
21) Naphthalene-d8	8.169	136	872222	20.000	ng		0.00
39) Acenaphthene-d10	9.922	164	497194	20.000	ng		0.00
64) Phenanthrene-d10	11.404	188	827202	20.000	ng		0.00
76) Chrysene-d12	14.045	240	468454	20.000	ng		0.00
86) Perylene-d12	15.509	264	407346	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.498	112	1490872	114.705	ng		0.00
7) Phenol-d6	6.510	99	1913610	115.601	ng		0.00
23) Nitrobenzene-d5	7.451	82	1899726	122.074	ng		0.00
42) 2,4,6-Tribromophenol	10.710	330	791365	125.609	ng		0.00
45) 2-Fluorobiphenyl	9.239	172	3716590	113.827	ng		0.00
79) Terphenyl-d14	12.992	244	3982780	125.675	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.669	88	325927	59.832	ng		99
3) Pyridine	3.440	79	786537	58.753	ng		99
4) n-Nitrosodimethylamine	3.404	42	386646	60.759	ng		100
6) Aniline	6.551	93	933875	57.146	ng		99
8) 2-Chlorophenol	6.669	128	835549	58.000	ng		97
9) Benzaldehyde	6.434	77	465511	50.311	ng		100
10) Phenol	6.528	94	996848	57.074	ng		95
11) bis(2-Chloroethyl)ether	6.622	93	765071	58.464	ng		99
12) 1,3-Dichlorobenzene	6.828	146	911340	58.540	ng		99
13) 1,4-Dichlorobenzene	6.904	146	923545	58.635	ng		99
14) 1,2-Dichlorobenzene	7.057	146	873604	58.898	ng		99
15) Benzyl Alcohol	7.028	79	810347	60.480	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.157	45	957808	60.730	ng		99
17) 2-Methylphenol	7.134	107	701676	61.285	ng		99
18) Hexachloroethane	7.398	117	364561	61.734	ng		96
19) n-Nitroso-di-n-propyla...	7.304	70	644501	60.576	ng		99
20) 3+4-Methylphenols	7.292	107	868157	59.116	ng	#	81
22) Acetophenone	7.298	105	1226859	58.635	ng		97
24) Nitrobenzene	7.469	77	939508	60.889	ng		100
25) Isophorone	7.710	82	1695749	61.720	ng		100
26) 2-Nitrophenol	7.781	139	491301	64.978	ng		98
27) 2,4-Dimethylphenol	7.816	122	639505	61.408	ng		99
28) bis(2-Chloroethoxy)met...	7.916	93	1039951	60.422	ng		99
29) 2,4-Dichlorophenol	8.022	162	791904	61.272	ng		99
30) 1,2,4-Trichlorobenzene	8.104	180	870403	61.044	ng		99
31) Naphthalene	8.186	128	2545181	56.961	ng		99
32) Benzoic acid	7.951	122	634105	69.664	ng		99
33) 4-Chloroaniline	8.233	127	920015	58.348	ng		99
34) Hexachlorobutadiene	8.304	225	559955	60.397	ng		99
35) Caprolactam	8.628	113	235861	60.015	ng		95
36) 4-Chloro-3-methylphenol	8.716	107	874022	60.807	ng		98
37) 2-Methylnaphthalene	8.875	142	1744374	58.187	ng		99
38) 1-Methylnaphthalene	8.975	142	1692113	58.285	ng		99
40) 1,2,4,5-Tetrachloroben...	9.045	216	903928	59.627	ng		99
41) Hexachlorocyclopentadiene	9.028	237	375919	62.842	ng		100
43) 2,4,6-Trichlorophenol	9.151	196	597686	60.479	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141903.D
Acq On : 10 Mar 2025 13:57
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Mar 10 15:37:05 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 15:01:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	618930	61.642	ng		99
46) 1,1'-Biphenyl	9.345	154	2134829	56.634	ng		99
47) 2-Chloronaphthalene	9.369	162	1625973	57.879	ng		100
48) 2-Nitroaniline	9.463	65	495229	61.368	ng		99
49) Acenaphthylene	9.786	152	2379216	57.125	ng		99
50) Dimethylphthalate	9.651	163	2006480	58.083	ng		100
51) 2,6-Dinitrotoluene	9.704	165	441383	61.441	ng		99
52) Acenaphthene	9.957	154	1737049	59.065	ng		99
53) 3-Nitroaniline	9.875	138	449553	60.945	ng		100
54) 2,4-Dinitrophenol	9.975	184	240530	60.329	ng	#	74
55) Dibenzofuran	10.127	168	2380973	56.781	ng		100
56) 4-Nitrophenol	10.027	139	343657	62.021	ng		98
57) 2,4-Dinitrotoluene	10.110	165	571731	60.461	ng		98
58) Fluorene	10.469	166	1840654	56.859	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.239	232	546621	60.002	ng		100
60) Diethylphthalate	10.345	149	1995827	57.552	ng		99
61) 4-Chlorophenyl-phenyle...	10.463	204	977819	57.993	ng		97
62) 4-Nitroaniline	10.492	138	426741	59.702	ng		100
63) Azobenzene	10.622	77	1829282	56.784	ng		98
65) 4,6-Dinitro-2-methylph...	10.516	198	330315	67.356	ng		98
66) n-Nitrosodiphenylamine	10.580	169	1583832	59.270	ng		100
67) 4-Bromophenyl-phenylether	10.951	248	608246	59.044	ng		98
68) Hexachlorobenzene	11.016	284	673465	59.144	ng		97
70) Pentachlorophenol	11.204	266	462709	65.893	ng		100
71) Phenanthrene	11.433	178	2560092	57.232	ng		100
72) Anthracene	11.486	178	2570717	57.281	ng		100
73) Carbazole	11.633	167	2213331	57.284	ng		99
74) Di-n-butylphthalate	11.963	149	2916048	57.161	ng		99
75) Fluoranthene	12.616	202	2628993	55.984	ng		99
77) Benzidine	12.733	184	386007	58.309	ng		99
78) Pyrene	12.845	202	2562337	63.781	ng		99
80) Butylbenzylphthalate	13.463	149	1008043	63.676	ng		100
81) Benzo(a)anthracene	14.033	228	1850347	60.040	ng		100
82) 3,3'-Dichlorobenzidine	13.992	252	553078	62.091	ng		100
83) Chrysene	14.068	228	1705257	61.596	ng		99
84) Bis(2-ethylhexyl)phtha...	14.021	149	1337474	61.582	ng		99
85) Di-n-octyl phthalate	14.633	149	1953184	64.613	ng		99
87) Indeno(1,2,3-cd)pyrene	17.009	276	1799372	68.115	ng		100
88) Benzo(b)fluoranthene	15.080	252	1698744	61.481	ng		99
89) Benzo(k)fluoranthene	15.115	252	1478389	61.253	ng		100
90) Benzo(a)pyrene	15.451	252	1323726	60.747	ng		99
91) Dibenzo(a,h)anthracene	17.027	278	1459934	66.981	ng		99
92) Benzo(g,h,i)perylene	17.462	276	1425582	65.942	ng		99

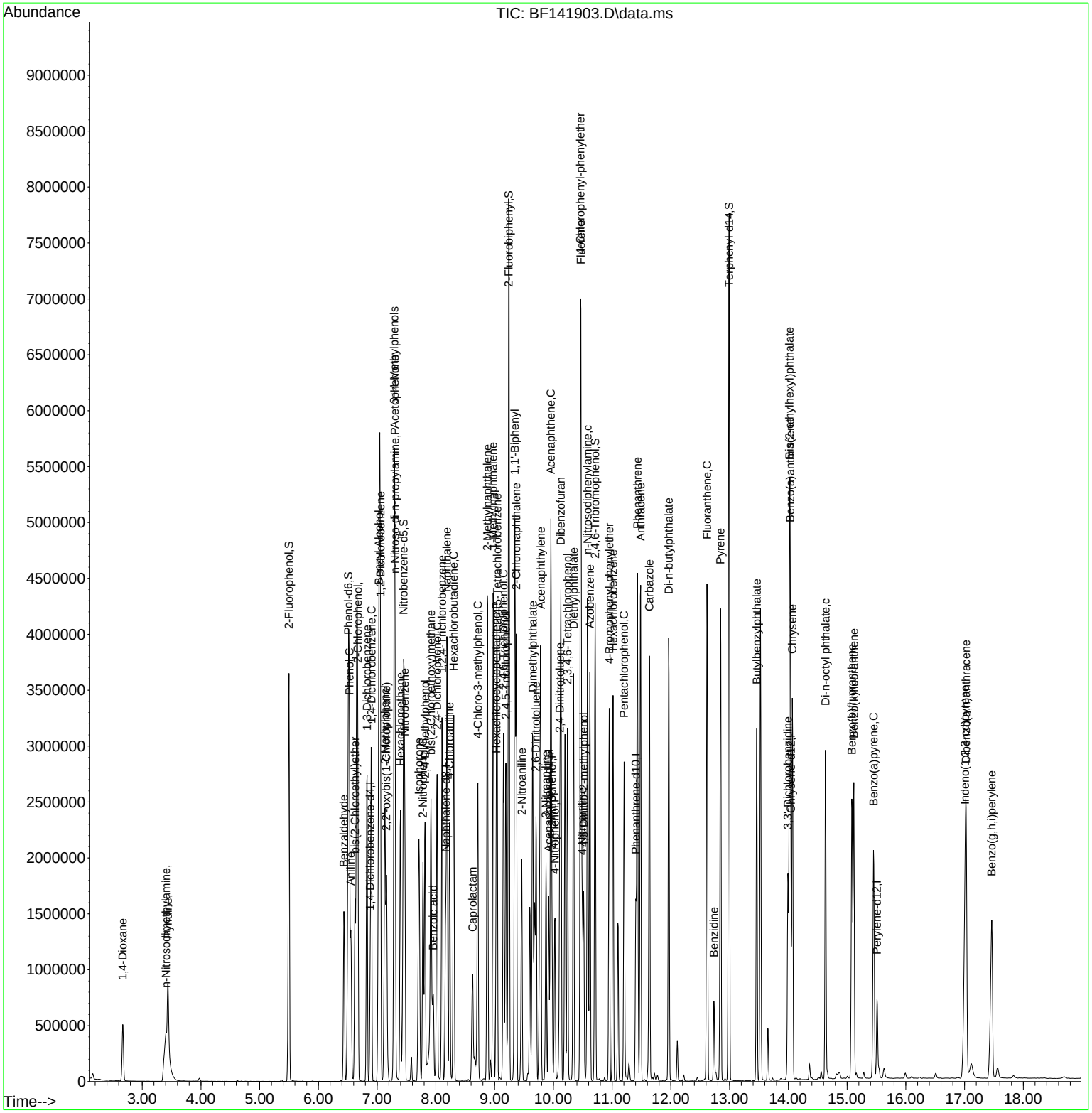
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141903.D
Acq On : 10 Mar 2025 13:57
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Mar 10 15:37:05 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 15:01:52 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141904.D
Acq On : 10 Mar 2025 14:27
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Mar 10 15:37:59 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 15:01:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.887	152	214737	20.000	ng		0.00
21) Naphthalene-d8	8.169	136	826030	20.000	ng		0.00
39) Acenaphthene-d10	9.922	164	452864	20.000	ng		0.00
64) Phenanthrene-d10	11.404	188	738472	20.000	ng		0.00
76) Chrysene-d12	14.045	240	424370	20.000	ng		0.00
86) Perylene-d12	15.510	264	391768	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.498	112	1930406	149.991	ng		0.00
7) Phenol-d6	6.522	99	2446183	149.235	ng		0.02
23) Nitrobenzene-d5	7.457	82	2335417	158.463	ng		0.01
42) 2,4,6-Tribromophenol	10.716	330	986206	171.858	ng		0.01
45) 2-Fluorobiphenyl	9.245	172	4513418	151.763	ng		0.00
79) Terphenyl-d14	12.992	244	4700026	163.713	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.669	88	436007	80.831	ng		98
3) Pyridine	3.440	79	1059473	79.923	ng		99
4) n-Nitrosodimethylamine	3.416	42	521442	82.752	ng		99
6) Aniline	6.563	93	1160437	71.712	ng		99
8) 2-Chlorophenol	6.675	128	1078659	75.616	ng		98
10) Phenol	6.534	94	1285145	74.308	ng		89
11) bis(2-Chloroethyl)ether	6.628	93	968280	74.725	ng		99
12) 1,3-Dichlorobenzene	6.828	146	1173924	76.153	ng		100
13) 1,4-Dichlorobenzene	6.904	146	1181975	75.784	ng		99
14) 1,2-Dichlorobenzene	7.063	146	1093316	74.440	ng		99
15) Benzyl Alcohol	7.034	79	1013314	76.376	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.163	45	1127534	72.198	ng		98
17) 2-Methylphenol	7.134	107	876665	77.326	ng		98
18) Hexachloroethane	7.398	117	448765	76.745	ng		96
19) n-Nitroso-di-n-propyla...	7.316	70	783318	74.351	ng		100
20) 3+4-Methylphenols	7.298	107	1050191	72.219	ng	#	84
22) Acetophenone	7.304	105	1496035	75.498	ng	#	95
24) Nitrobenzene	7.475	77	1162753	79.572	ng		100
25) Isophorone	7.722	82	2056405	79.032	ng		100
26) 2-Nitrophenol	7.787	139	599261	83.688	ng		99
27) 2,4-Dimethylphenol	7.822	122	767514	77.821	ng		99
28) bis(2-Chloroethoxy)met...	7.916	93	1248549	76.598	ng		100
29) 2,4-Dichlorophenol	8.028	162	971886	79.403	ng		99
30) 1,2,4-Trichlorobenzene	8.110	180	1062793	78.705	ng		99
31) Naphthalene	8.192	128	3152444	74.497	ng		99
32) Benzoic acid	7.975	122	795850	92.323	ng		98
33) 4-Chloroaniline	8.239	127	1088546	72.896	ng		100
34) Hexachlorobutadiene	8.304	225	713827	81.299	ng		99
35) Caprolactam	8.639	113	311758m	83.763	ng		
36) 4-Chloro-3-methylphenol	8.716	107	1056917	77.644	ng		99
37) 2-Methylnaphthalene	8.881	142	2129990	75.023	ng		100
38) 1-Methylnaphthalene	8.981	142	2050191	74.568	ng		99
40) 1,2,4,5-Tetrachloroben...	9.045	216	1127671	81.667	ng		98
41) Hexachlorocyclopentadiene	9.028	237	463300	85.031	ng		99
43) 2,4,6-Trichlorophenol	9.157	196	741710	82.399	ng		100
44) 2,4,5-Trichlorophenol	9.198	196	736926	80.579	ng		100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141904.D
Acq On : 10 Mar 2025 14:27
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Mar 10 15:37:59 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 15:01:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) 1,1'-Biphenyl	9.345	154	2626697	76.503	ng		99
47) 2-Chloronaphthalene	9.369	162	1992242	77.859	ng		99
48) 2-Nitroaniline	9.463	65	597778	81.326	ng		98
49) Acenaphthylene	9.786	152	2878496	75.877	ng		99
50) Dimethylphthalate	9.657	163	2428843	77.192	ng		100
51) 2,6-Dinitrotoluene	9.710	165	529139	80.867	ng		99
52) Acenaphthene	9.957	154	2085941	77.872	ng		99
53) 3-Nitroaniline	9.881	138	526980	78.435	ng		100
54) 2,4-Dinitrophenol	9.981	184	305399	81.479	ng	#	55
55) Dibenzofuran	10.128	168	2844432	74.474	ng		99
56) 4-Nitrophenol	10.033	139	416153	82.456	ng		97
57) 2,4-Dinitrotoluene	10.116	165	681278	79.099	ng		95
58) Fluorene	10.475	166	2210653	74.974	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.245	232	668027	80.507	ng		99
60) Diethylphthalate	10.345	149	2358921	74.681	ng		99
61) 4-Chlorophenyl-phenyle...	10.463	204	1209021	78.724	ng		97
62) 4-Nitroaniline	10.504	138	502894	77.243	ng		98
63) Azobenzene	10.622	77	2168742	73.911	ng		99
65) 4,6-Dinitro-2-methylph...	10.522	198	404505	92.396	ng		98
66) n-Nitrosodiphenylamine	10.586	169	1882098	78.895	ng		99
67) 4-Bromophenyl-phenylether	10.957	248	774645	84.232	ng		95
68) Hexachlorobenzene	11.016	284	862357	84.832	ng		97
70) Pentachlorophenol	11.210	266	563030	89.813	ng		100
71) Phenanthrene	11.433	178	3020950	75.649	ng		99
72) Anthracene	11.486	178	3031014	75.653	ng		99
73) Carbazole	11.639	167	2552563	74.002	ng		98
74) Di-n-butylphthalate	11.969	149	3342776	73.399	ng		99
75) Fluoranthene	12.622	202	3005566	71.694	ng		99
77) Benzidine	12.733	184	427770	71.330	ng		99
78) Pyrene	12.851	202	2930115	80.513	ng		99
80) Butylbenzylphthalate	13.463	149	1149989	80.189	ng		99
81) Benzo(a)anthracene	14.033	228	2196935	78.692	ng		100
82) 3,3'-Dichlorobenzidine	13.998	252	652678	80.884	ng		99
83) Chrysene	14.074	228	2018832	80.498	ng		99
84) Bis(2-ethylhexyl)phtha...	14.021	149	1573231	79.962	ng		98
85) Di-n-octyl phthalate	14.633	149	2310836	84.386	ng		100
87) Indeno(1,2,3-cd)pyrene	17.009	276	2238588	88.111	ng		99
88) Benzo(b)fluoranthene	15.086	252	2246428	84.536	ng		99
89) Benzo(k)fluoranthene	15.116	252	1631675	70.292	ng		99
90) Benzo(a)pyrene	15.457	252	1725632	82.339	ng		100
91) Dibenzo(a,h)anthracene	17.033	278	1846778	88.098	ng		99
92) Benzo(g,h,i)perylene	17.468	276	1828662	87.950	ng		99

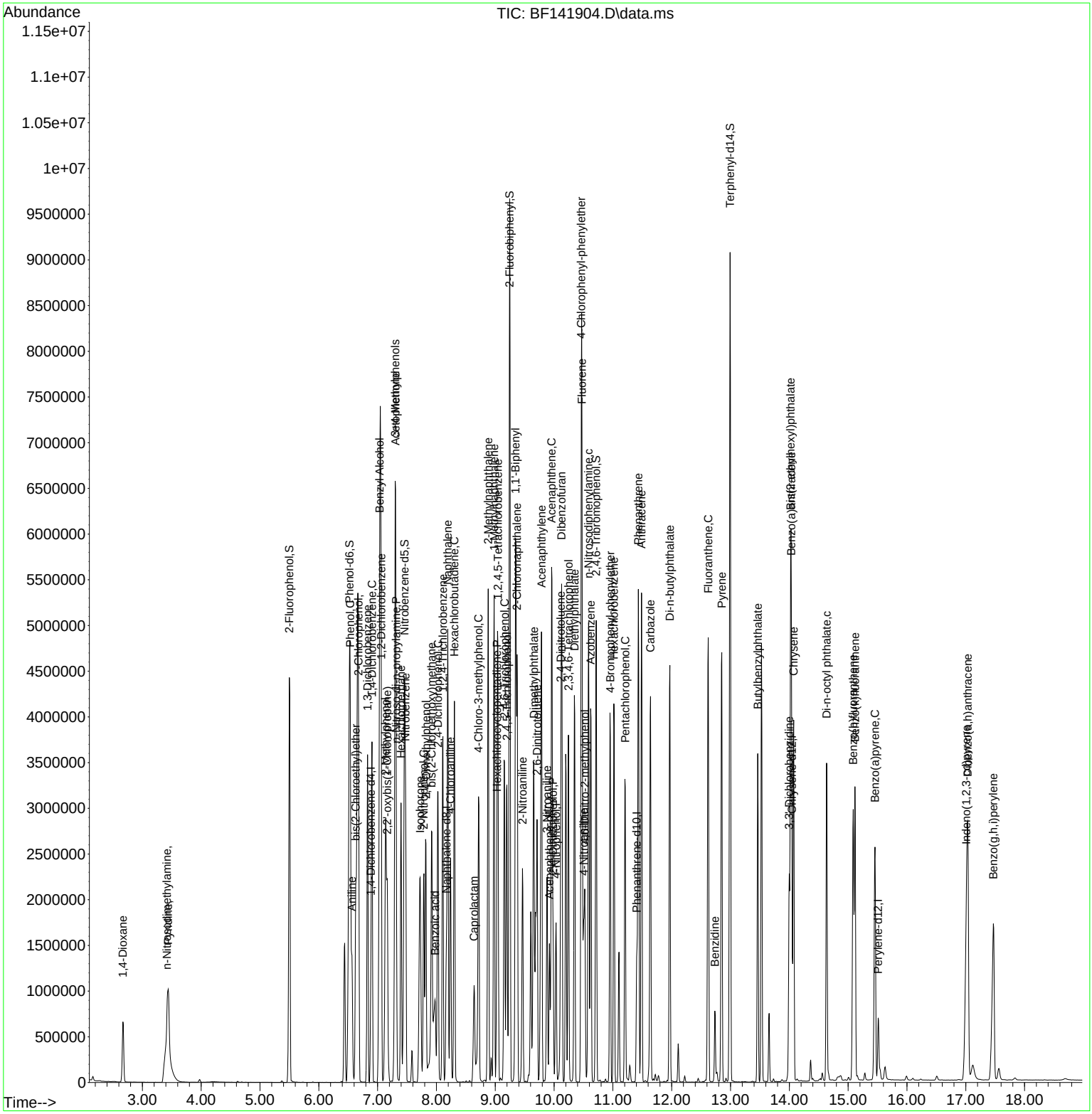
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141904.D
Acq On : 10 Mar 2025 14:27
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Mar 10 15:37:59 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 15:01:52 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141905.D
Acq On : 10 Mar 2025 15:20
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Mar 10 15:39:09 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 15:01:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.881	152	215017	20.000	ng		0.00
21) Naphthalene-d8	8.163	136	877329	20.000	ng		0.00
39) Acenaphthene-d10	9.922	164	481971	20.000	ng		0.00
64) Phenanthrene-d10	11.404	188	811142	20.000	ng		0.00
76) Chrysene-d12	14.045	240	491943	20.000	ng		0.00
86) Perylene-d12	15.509	264	413564	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.492	112	1249601	96.967	ng		0.00
7) Phenol-d6	6.504	99	1594608	97.156	ng		0.00
23) Nitrobenzene-d5	7.445	82	1507471	96.304	ng		0.00
42) 2,4,6-Tribromophenol	10.710	330	625035	102.342	ng		0.00
45) 2-Fluorobiphenyl	9.239	172	3064989	96.836	ng		0.00
79) Terphenyl-d14	12.992	244	3394803	102.007	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.675	88	266045	49.258	ng		99
3) Pyridine	3.434	79	646627	48.716	ng		99
4) n-Nitrosodimethylamine	3.398	42	320008	50.718	ng		99
6) Aniline	6.545	93	775854	47.884	ng		99
8) 2-Chlorophenol	6.669	128	696154	48.738	ng		100
9) Benzaldehyde	6.434	77	418049	45.569	ng		99
10) Phenol	6.522	94	829086	47.876	ng		96
11) bis(2-Chloroethyl)ether	6.616	93	631516	48.672	ng		100
12) 1,3-Dichlorobenzene	6.822	146	753352	48.807	ng		99
13) 1,4-Dichlorobenzene	6.898	146	756875	48.465	ng		100
14) 1,2-Dichlorobenzene	7.051	146	706635	48.049	ng		100
15) Benzyl Alcohol	7.022	79	652454	49.113	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.157	45	745710	47.687	ng		100
17) 2-Methylphenol	7.128	107	557981	49.153	ng		99
18) Hexachloroethane	7.392	117	290127	49.551	ng		99
19) n-Nitroso-di-n-propyla...	7.298	70	505166	47.887	ng		99
20) 3+4-Methylphenols	7.286	107	704563	48.388	ng	#	86
22) Acetophenone	7.292	105	987577	46.924	ng		97
24) Nitrobenzene	7.463	77	752936	48.514	ng		99
25) Isophorone	7.704	82	1327254	48.027	ng		99
26) 2-Nitrophenol	7.781	139	392772	51.644	ng		100
27) 2,4-Dimethylphenol	7.810	122	510395	48.725	ng		99
28) bis(2-Chloroethoxy)met...	7.910	93	826776	47.757	ng		100
29) 2,4-Dichlorophenol	8.016	162	647319	49.793	ng		100
30) 1,2,4-Trichlorobenzene	8.104	180	697274	48.617	ng		99
31) Naphthalene	8.186	128	2196111	48.863	ng		100
32) Benzoic acid	7.939	122	500593	54.676	ng		100
33) 4-Chloroaniline	8.233	127	775699	48.909	ng		99
34) Hexachlorobutadiene	8.304	225	469787	50.376	ng		99
35) Caprolactam	8.616	113	193267	48.891	ng		95
36) 4-Chloro-3-methylphenol	8.710	107	721800	49.925	ng		100
37) 2-Methylnaphthalene	8.875	142	1436485	47.638	ng		100
38) 1-Methylnaphthalene	8.975	142	1357356	46.482	ng		100
40) 1,2,4,5-Tetrachloroben...	9.039	216	719431	48.955	ng		99
41) Hexachlorocyclopentadiene	9.027	237	284968	49.142	ng		99
43) 2,4,6-Trichlorophenol	9.151	196	481782	50.291	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141905.D
Acq On : 10 Mar 2025 15:20
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Mar 10 15:39:09 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 15:01:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	482570	49.580	ng		99
46) 1,1'-Biphenyl	9.339	154	1809746	49.526	ng		99
47) 2-Chloronaphthalene	9.369	162	1360528	49.960	ng		99
48) 2-Nitroaniline	9.457	65	429111	54.854	ng		97
49) Acenaphthylene	9.780	152	2005538	49.674	ng		100
50) Dimethylphthalate	9.645	163	1716995	51.273	ng		100
51) 2,6-Dinitrotoluene	9.704	165	370368	53.184	ng		96
52) Acenaphthene	9.957	154	1377901	48.333	ng		98
53) 3-Nitroaniline	9.874	138	340633	47.638	ng		100
54) 2,4-Dinitrophenol	9.975	184	184410	49.104	ng	#	58
55) Dibenzofuran	10.127	168	1936780	47.647	ng		99
56) 4-Nitrophenol	10.022	139	276487	51.474	ng		99
57) 2,4-Dinitrotoluene	10.104	165	461276	50.321	ng		97
58) Fluorene	10.469	166	1497123	47.708	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	438025	49.600	ng		100
60) Diethylphthalate	10.339	149	1635073	48.639	ng		100
61) 4-Chlorophenyl-phenyle...	10.457	204	799744	48.929	ng		99
62) 4-Nitroaniline	10.486	138	346378	49.990	ng		99
63) Azobenzene	10.622	77	1519356	48.653	ng		98
65) 4,6-Dinitro-2-methylph...	10.516	198	262910	54.673	ng		99
66) n-Nitrosodiphenylamine	10.580	169	1293745	49.373	ng		100
67) 4-Bromophenyl-phenylether	10.951	248	532762	52.740	ng		97
68) Hexachlorobenzene	11.016	284	573467	51.359	ng		97
69) Atrazine	11.104	200	418147	65.441	ng		99
70) Pentachlorophenol	11.204	266	365292	53.050	ng		99
71) Phenanthrene	11.433	178	2080633	47.434	ng		100
72) Anthracene	11.480	178	2081490	47.299	ng		99
73) Carbazole	11.633	167	1831424	48.338	ng		99
74) Di-n-butylphthalate	11.963	149	2510447	50.185	ng		99
75) Fluoranthene	12.616	202	2328357	50.564	ng		99
77) Benzidine	12.733	184	270893	38.966	ng		99
78) Pyrene	12.845	202	2308671	54.723	ng		100
80) Butylbenzylphthalate	13.463	149	864849	52.022	ng		99
81) Benzo(a)anthracene	14.033	228	1592035	49.192	ng		100
82) 3,3'-Dichlorobenzidine	13.992	252	449408	48.044	ng		99
83) Chrysene	14.068	228	1465389	50.404	ng		100
84) Bis(2-ethylhexyl)phtha...	14.021	149	1203021	52.747	ng		99
85) Di-n-octyl phthalate	14.633	149	1692206	53.307	ng		100
87) Indeno(1,2,3-cd)pyrene	17.003	276	1366974	50.969	ng		99
88) Benzo(b)fluoranthene	15.080	252	1392083	49.625	ng		99
89) Benzo(k)fluoranthene	15.109	252	1167351	47.638	ng		100
90) Benzo(a)pyrene	15.451	252	1119256	50.591	ng		99
91) Dibenzo(a,h)anthracene	17.021	278	1131875	51.149	ng		99
92) Benzo(g,h,i)perylene	17.456	276	1099760	50.106	ng		99

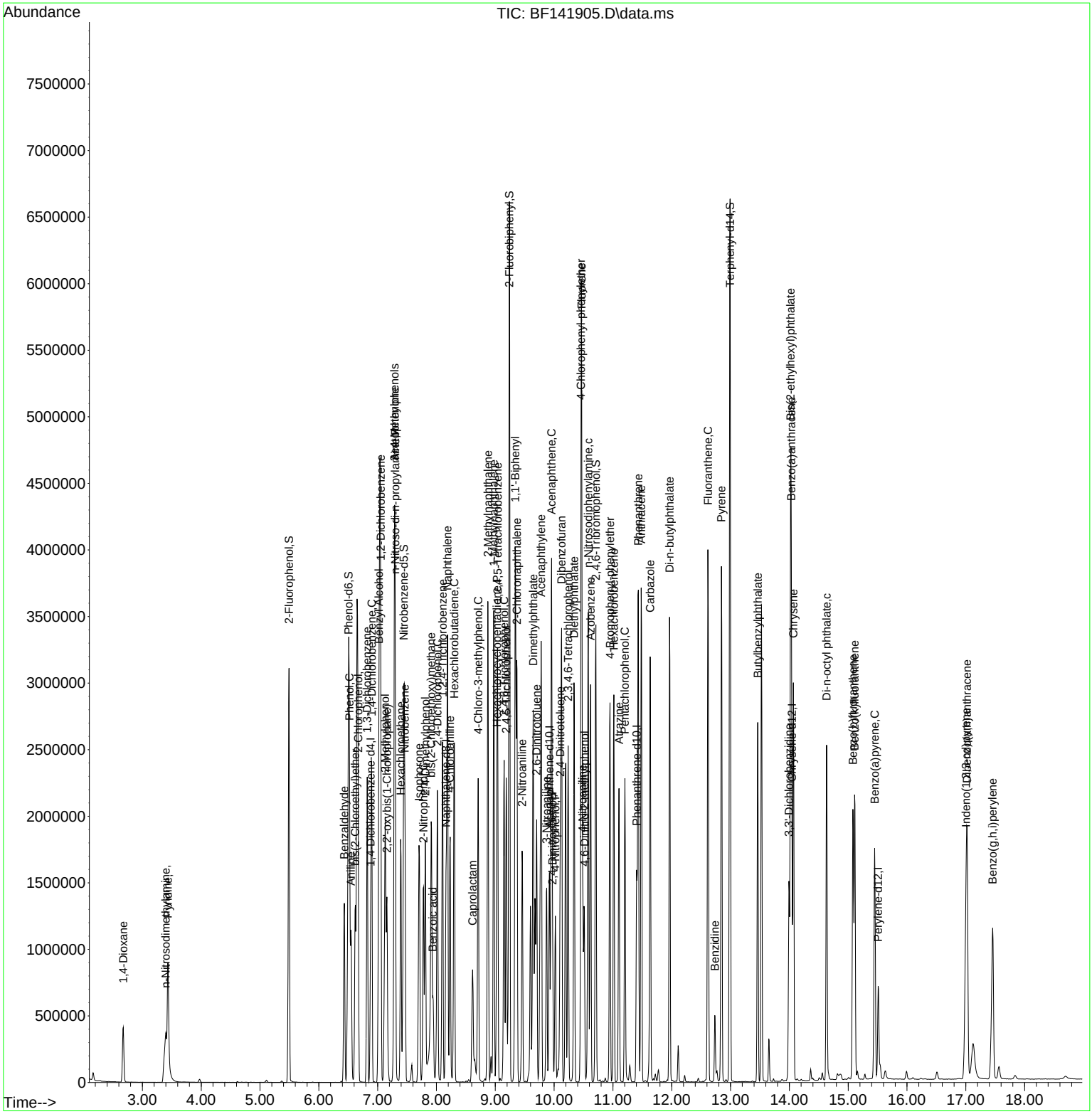
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141905.D
Acq On : 10 Mar 2025 15:20
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Mar 10 15:39:09 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 15:01:52 2025
Response via : Initial Calibration



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141906.D
Acq On : 10 Mar 2025 15:53
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Quant Time: Mar 10 16:15:33 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	209747	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	840616	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	483165	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	813672	20.000	ng	0.00
76) Chrysene-d12	14.039	240	523890	20.000	ng	0.00
86) Perylene-d12	15.510	264	426422	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	965473	76.823	ng	0.00
7) Phenol-d6	6.504	99	1231487	76.962	ng	0.00
23) Nitrobenzene-d5	7.445	82	1179480	78.962	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	486334	79.342	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	2399526	75.528	ng	0.00
79) Terphenyl-d14	12.986	244	2825870	79.748	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.669	88	203628	38.670	ng	99
3) Pyridine	3.428	79	504398	39.050	ng	99
4) n-Nitrosodimethylamine	3.387	42	239879	38.959	ng	97
6) Aniline	6.545	93	614962	38.958	ng	98
8) 2-Chlorophenol	6.669	128	539701	38.721	ng	99
9) Benzaldehyde	6.434	77	339615	37.950	ng	99
10) Phenol	6.516	94	658449	39.115	ng	97
11) bis(2-Chloroethyl)ether	6.616	93	483438	38.246	ng	99
12) 1,3-Dichlorobenzene	6.822	146	577700	38.391	ng	100
13) 1,4-Dichlorobenzene	6.898	146	584132	38.366	ng	99
14) 1,2-Dichlorobenzene	7.051	146	555621	38.744	ng	100
15) Benzyl Alcohol	7.022	79	509792	39.408	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.157	45	569783	37.338	ng	100
17) 2-Methylphenol	7.128	107	429715	38.775	ng	99
18) Hexachloroethane	7.392	117	221507	38.797	ng	100
19) n-Nitroso-di-n-propyla...	7.298	70	391096	38.038	ng	100
20) 3+4-Methylphenols	7.281	107	548208	38.619	ng	99
22) Acetophenone	7.292	105	757917	37.650	ng	98
24) Nitrobenzene	7.463	77	578836	38.980	ng	99
25) Isophorone	7.704	82	1007659	38.163	ng	100
26) 2-Nitrophenol	7.775	139	294657	40.429	ng	96
27) 2,4-Dimethylphenol	7.810	122	385504	38.414	ng	99
28) bis(2-Chloroethoxy)met...	7.910	93	628379	37.943	ng	100
29) 2,4-Dichlorophenol	8.016	162	485205	38.952	ng	99
30) 1,2,4-Trichlorobenzene	8.104	180	526250	38.336	ng	100
31) Naphthalene	8.187	128	1633401	37.827	ng	100
32) Benzoic acid	7.928	122	373179	42.303	ng	99
33) 4-Chloroaniline	8.228	127	592172	38.847	ng	99
34) Hexachlorobutadiene	8.304	225	347789	38.849	ng	99
35) Caprolactam	8.604	113	141562	37.276	ng	98
36) 4-Chloro-3-methylphenol	8.704	107	535661	38.550	ng	99
37) 2-Methylnaphthalene	8.875	142	1094895	37.935	ng	100
38) 1-Methylnaphthalene	8.975	142	1071850	38.484	ng	100
40) 1,2,4,5-Tetrachloroben...	9.039	216	561804	38.191	ng	99
41) Hexachlorocyclopentadiene	9.028	237	220386	38.281	ng	98
43) 2,4,6-Trichlorophenol	9.151	196	377743	39.292	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141906.D
Acq On : 10 Mar 2025 15:53
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Quant Time: Mar 10 16:15:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	372564	38.263	ng	99
46) 1,1'-Biphenyl	9.339	154	1401736	38.182	ng	100
47) 2-Chloronaphthalene	9.363	162	1042241	38.090	ng	99
48) 2-Nitroaniline	9.457	65	308259	38.908	ng	99
49) Acenaphthylene	9.781	152	1531852	37.725	ng	100
50) Dimethylphthalate	9.639	163	1272572	37.611	ng	100
51) 2,6-Dinitrotoluene	9.698	165	274531	38.970	ng	99
52) Acenaphthene	9.951	154	1095922	38.405	ng	100
53) 3-Nitroaniline	9.869	138	275555	38.561	ng	99
54) 2,4-Dinitrophenol	9.969	184	142831	39.326	ng	95
55) Dibenzofuran	10.122	168	1540381	37.778	ng	100
56) 4-Nitrophenol	10.016	139	212462	39.425	ng	99
57) 2,4-Dinitrotoluene	10.104	165	361518	39.291	ng	99
58) Fluorene	10.469	166	1175392	37.381	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.239	232	346168	39.070	ng	99
60) Diethylphthalate	10.339	149	1293401	38.337	ng	100
61) 4-Chlorophenyl-phenyle...	10.457	204	627404	38.272	ng	99
62) 4-Nitroaniline	10.480	138	270993	38.953	ng	99
63) Azobenzene	10.622	77	1189121	37.911	ng	98
65) 4,6-Dinitro-2-methylph...	10.510	198	200888	41.415	ng	99
66) n-Nitrosodiphenylamine	10.575	169	1008029	38.283	ng	99
67) 4-Bromophenyl-phenylether	10.951	248	398683	39.015	ng	98
68) Hexachlorobenzene	11.016	284	445938	39.789	ng	96
69) Atrazine	11.098	200	257856	31.945	ng	99
70) Pentachlorophenol	11.204	266	289713	41.955	ng	100
71) Phenanthrene	11.427	178	1685770	38.357	ng	100
72) Anthracene	11.480	178	1675103	37.991	ng	100
73) Carbazole	11.633	167	1451333	38.167	ng	99
74) Di-n-butylphthalate	11.963	149	1953516	38.717	ng	100
75) Fluoranthene	12.616	202	1750317	37.545	ng	100
77) Benzidine	12.733	184	420377	57.513	ng	100
78) Pyrene	12.845	202	1746456	38.539	ng	100
80) Butylbenzylphthalate	13.463	149	723288	40.778	ng	99
81) Benzo(a)anthracene	14.027	228	1347977	39.211	ng	100
82) 3,3'-Dichlorobenzidine	13.992	252	380866	38.337	ng	100
83) Chrysene	14.068	228	1159074	37.195	ng	100
84) Bis(2-ethylhexyl)phtha...	14.021	149	1006170	41.142	ng	99
85) Di-n-octyl phthalate	14.633	149	1394136	40.971	ng	100
87) Indeno(1,2,3-cd)pyrene	17.004	276	1061096	38.467	ng	99
88) Benzo(b)fluoranthene	15.080	252	1166263	39.906	ng	99
89) Benzo(k)fluoranthene	15.110	252	869471	34.765	ng	100
90) Benzo(a)pyrene	15.451	252	882967	38.612	ng	99
91) Dibenzo(a,h)anthracene	17.021	278	886038	38.931	ng	99
92) Benzo(g,h,i)perylene	17.451	276	855812	38.051	ng	99

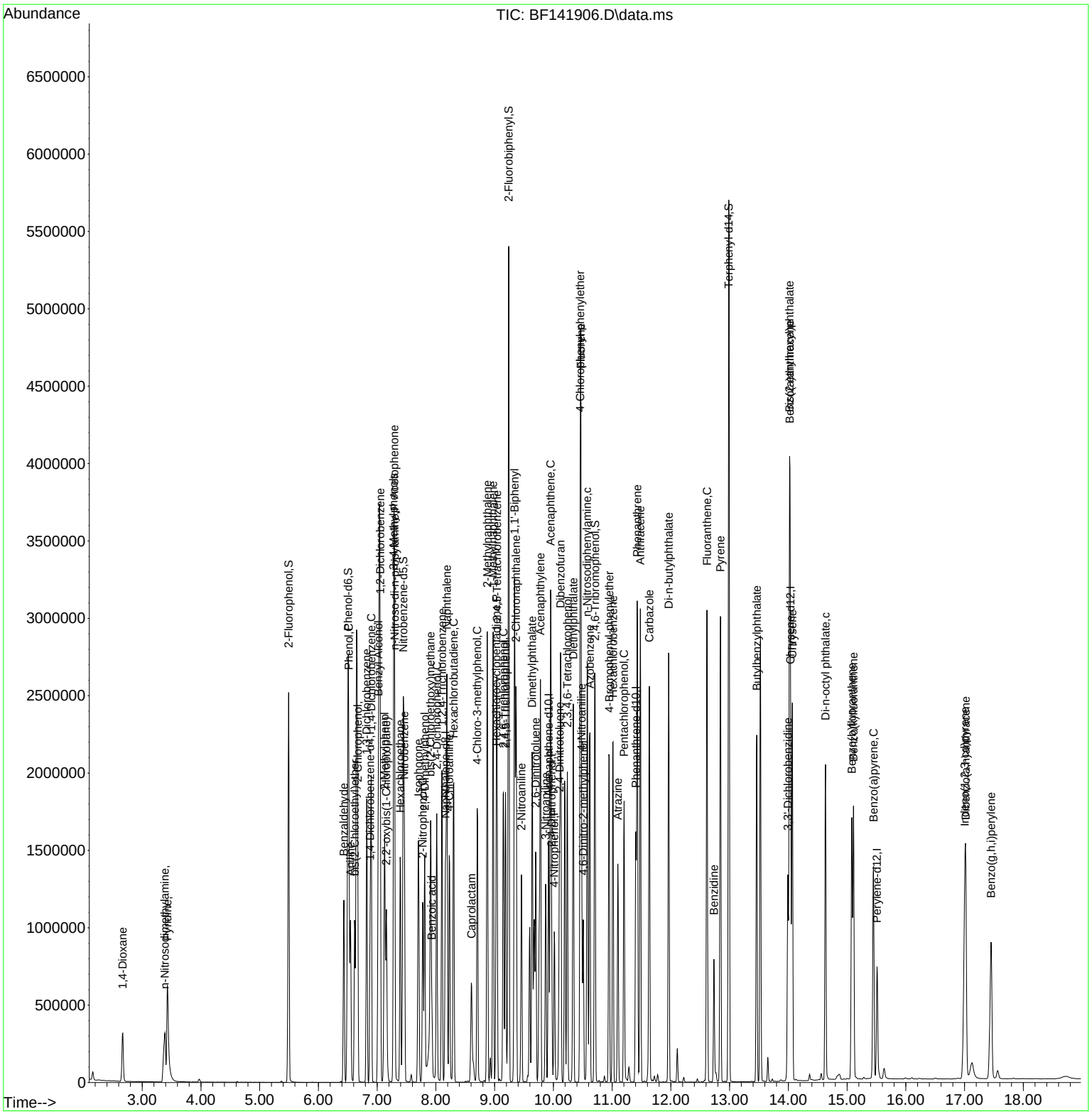
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141906.D
Acq On : 10 Mar 2025 15:53
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Quant Time: Mar 10 16:15:33 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



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141906.D
Acq On : 10 Mar 2025 15:53
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Quant Time: Mar 10 16:15:33 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

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	94	0.00
2		1,4-Dioxane	0.502	0.485	3.4	91	0.00
3		Pyridine	1.232	1.202	2.4	93	-0.01
4		n-Nitrosodimethylamine	0.587	0.572	2.6	92	0.00
5	S	2-Fluorophenol	1.198	1.151	3.9	94	0.00
6		Aniline	1.505	1.466	2.6	94	0.00
7	S	Phenol-d6	1.526	1.468	3.8	96	0.00
8		2-Chlorophenol	1.329	1.287	3.2	96	0.00
9		Benzaldehyde	0.853	0.810	5.0	98	0.00
10	C	Phenol	1.605	1.570	2.2	96	0.00
11		bis(2-Chloroethyl)ether	1.205	1.152	4.4	95	0.00
12		1,3-Dichlorobenzene	1.435	1.377	4.0	94	0.00
13	C	1,4-Dichlorobenzene	1.452	1.392	4.1	94	0.00
14		1,2-Dichlorobenzene	1.367	1.325	3.1	96	0.00
15		Benzyl Alcohol	1.233	1.215	1.5	96	0.00
16		2,2'-oxybis(1-Chloropropane	1.455	1.358	6.7	94	0.00
17		2-Methylphenol	1.057	1.024	3.1	96	0.00
18		Hexachloroethane	0.544	0.528	2.9	96	0.00
19	P	n-Nitroso-di-n-propylamine	0.980	0.932	4.9	96	0.00
20		3+4-Methylphenols	1.354	1.307	3.5	95	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	96	0.00
22		Acetophenone	0.479	0.451	5.8	94	0.00
23	S	Nitrobenzene-d5	0.355	0.351	1.1	97	0.00
24		Nitrobenzene	0.353	0.344	2.5	96	0.00
25		Isophorone	0.628	0.599	4.6	96	0.00
26	C	2-Nitrophenol	0.173	0.175	-1.2	96	0.00
27		2,4-Dimethylphenol	0.239	0.229	4.2	96	0.00
28		bis(2-Chloroethoxy)methane	0.394	0.374	5.1	97	0.00
29	C	2,4-Dichlorophenol	0.296	0.289	2.4	97	0.00
30		1,2,4-Trichlorobenzene	0.327	0.313	4.3	97	0.00
31		Naphthalene	1.027	0.972	5.4	95	0.00
32		Benzoic acid	0.210	0.222	-5.7	103	0.00
33		4-Chloroaniline	0.363	0.352	3.0	97	0.00
34	C	Hexachlorobutadiene	0.213	0.207	2.8	98	0.00
35		Caprolactam	0.090	0.084	6.7	96	0.00
36	C	4-Chloro-3-methylphenol	0.331	0.319	3.6	96	0.00
37		2-Methylnaphthalene	0.687	0.651	5.2	96	0.00
38		1-Methylnaphthalene	0.663	0.638	3.8	98	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	98	0.00
40		1,2,4,5-Tetrachlorobenzene	0.609	0.581	4.6	96	0.00
41	P	Hexachlorocyclopentadiene	0.238	0.228	4.2	89	0.00
42	S	2,4,6-Tribromophenol	0.254	0.252	0.8	98	0.00
43	C	2,4,6-Trichlorophenol	0.398	0.391	1.8	96	0.00
44		2,4,5-Trichlorophenol	0.403	0.386	4.2	97	0.00
45	S	2-Fluorobiphenyl	1.315	1.242	5.6	97	0.00
46		1,1'-Biphenyl	1.520	1.451	4.5	98	0.00
47		2-Chloronaphthalene	1.133	1.079	4.8	97	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141906.D
Acq On : 10 Mar 2025 15:53
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Quant Time: Mar 10 16:15:33 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

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.328	0.319	2.7	97	0.00
49		Acenaphthylene	1.681	1.585	5.7	95	0.00
50		Dimethylphthalate	1.401	1.317	6.0	97	0.00
51		2,6-Dinitrotoluene	0.292	0.284	2.7	97	0.00
52	C	Acenaphthene	1.181	1.134	4.0	97	0.00
53		3-Nitroaniline	0.296	0.285	3.7	95	0.00
54	P	2,4-Dinitrophenol	0.139	0.148	-6.5	102	0.00
55		Dibenzofuran	1.688	1.594	5.6	97	0.00
56	P	4-Nitrophenol	0.223	0.220	1.3	94	0.00
57		2,4-Dinitrotoluene	0.381	0.374	1.8	98	0.00
58		Fluorene	1.302	1.216	6.6	97	0.00
59		2,3,4,6-Tetrachlorophenol	0.367	0.358	2.5	98	0.00
60		Diethylphthalate	1.397	1.338	4.2	98	0.00
61		4-Chlorophenyl-phenylether	0.679	0.649	4.4	99	0.00
62		4-Nitroaniline	0.288	0.280	2.8	95	0.00
63		Azobenzene	1.298	1.231	5.2	97	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	97	0.00
65		4,6-Dinitro-2-methylphenol	0.119	0.123	-3.4	99	0.00
66	c	n-Nitrosodiphenylamine	0.647	0.619	4.3	97	0.00
67		4-Bromophenyl-phenylether	0.251	0.245	2.4	97	0.00
68		Hexachlorobenzene	0.275	0.274	0.4	99	0.00
69		Atrazine	0.198	0.158	20.2	94	0.00
70	C	Pentachlorophenol	0.170	0.178	-4.7	97	0.00
71		Phenanthrene	1.080	1.036	4.1	97	0.00
72		Anthracene	1.084	1.029	5.1	95	0.00
73		Carbazole	0.935	0.892	4.6	95	0.00
74		Di-n-butylphthalate	1.240	1.200	3.2	99	0.00
75	C	Fluoranthene	1.146	1.076	6.1	94	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	92	0.00
77		Benzidine	0.279	0.401	-43.7#	103	0.00
78		Pyrene	1.730	1.667	3.6	95	0.00
79	S	Terphenyl-d14	1.353	1.349	0.3	97	0.00
80		Butylbenzylphthalate	0.677	0.690	-1.9	97	0.00
81		Benzo(a)anthracene	1.312	1.287	1.9	93	0.00
82		3,3'-Dichlorobenzidine	0.379	0.363	4.2	90	0.00
83		Chrysene	1.190	1.106	7.1	90	0.00
84		Bis(2-ethylhexyl)phthalate	0.934	0.960	-2.8	98	0.00
85	c	Di-n-octyl phthalate	1.299	1.331	-2.5	97	0.00
86	I	Perylene-d12	1.000	1.000	0.0	91	0.00
87		Indeno(1,2,3-cd)pyrene	1.294	1.244	3.9	88	0.00
88		Benzo(b)fluoranthene	1.371	1.367	0.3	103	0.00
89		Benzo(k)fluoranthene	1.173	1.019	13.1	77	0.00
90	C	Benzo(a)pyrene	1.073	1.035	3.5	91	0.00
91		Dibenzo(a,h)anthracene	1.067	1.039	2.6	88	0.00
92		Benzo(g,h,i)perylene	1.055	1.003	4.9	86	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141906.D
Acq On : 10 Mar 2025 15:53
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Quant Time: Mar 10 16:15:33 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

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141906.D
Acq On : 10 Mar 2025 15:53
Operator : RC/JU
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Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	94	0.00
2		1,4-Dioxane	40.000	38.670	3.3	91	0.00
3		Pyridine	40.000	39.050	2.4	93	-0.01
4		n-Nitrosodimethylamine	40.000	38.959	2.6	92	0.00
5	S	2-Fluorophenol	80.000	76.823	4.0	94	0.00
6		Aniline	40.000	38.958	2.6	94	0.00
7	S	Phenol-d6	80.000	76.962	3.8	96	0.00
8		2-Chlorophenol	40.000	38.721	3.2	96	0.00
9		Benzaldehyde	40.000	37.950	5.1	98	0.00
10	C	Phenol	40.000	39.115	2.2	96	0.00
11		bis(2-Chloroethyl)ether	40.000	38.246	4.4	95	0.00
12		1,3-Dichlorobenzene	40.000	38.391	4.0	94	0.00
13	C	1,4-Dichlorobenzene	40.000	38.366	4.1	94	0.00
14		1,2-Dichlorobenzene	40.000	38.744	3.1	96	0.00
15		Benzyl Alcohol	40.000	39.408	1.5	96	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	37.338	6.7	94	0.00
17		2-Methylphenol	40.000	38.775	3.1	96	0.00
18		Hexachloroethane	40.000	38.797	3.0	96	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	38.038	4.9	96	0.00
20		3+4-Methylphenols	40.000	38.619	3.5	95	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	96	0.00
22		Acetophenone	40.000	37.650	5.9	94	0.00
23	S	Nitrobenzene-d5	80.000	78.962	1.3	97	0.00
24		Nitrobenzene	40.000	38.980	2.6	96	0.00
25		Isophorone	40.000	38.163	4.6	96	0.00
26	C	2-Nitrophenol	40.000	40.429	-1.1	96	0.00
27		2,4-Dimethylphenol	40.000	38.414	4.0	96	0.00
28		bis(2-Chloroethoxy)methane	40.000	37.943	5.1	97	0.00
29	C	2,4-Dichlorophenol	40.000	38.952	2.6	97	0.00
30		1,2,4-Trichlorobenzene	40.000	38.336	4.2	97	0.00
31		Naphthalene	40.000	37.827	5.4	95	0.00
32		Benzoic acid	40.000	42.303	-5.8	103	0.00
33		4-Chloroaniline	40.000	38.847	2.9	97	0.00
34	C	Hexachlorobutadiene	40.000	38.849	2.9	98	0.00
35		Caprolactam	40.000	37.276	6.8	96	0.00
36	C	4-Chloro-3-methylphenol	40.000	38.550	3.6	96	0.00
37		2-Methylnaphthalene	40.000	37.935	5.2	96	0.00
38		1-Methylnaphthalene	40.000	38.484	3.8	98	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	98	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	38.191	4.5	96	0.00
41	P	Hexachlorocyclopentadiene	40.000	38.281	4.3	89	0.00
42	S	2,4,6-Tribromophenol	80.000	79.342	0.8	98	0.00
43	C	2,4,6-Trichlorophenol	40.000	39.292	1.8	96	0.00
44		2,4,5-Trichlorophenol	40.000	38.263	4.3	97	0.00
45	S	2-Fluorobiphenyl	80.000	75.528	5.6	97	0.00
46		1,1'-Biphenyl	40.000	38.182	4.5	98	0.00
47		2-Chloronaphthalene	40.000	38.090	4.8	97	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141906.D
Acq On : 10 Mar 2025 15:53
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Quant Time: Mar 10 16:15:33 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

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	38.908	2.7	97	0.00
49		Acenaphthylene	40.000	37.725	5.7	95	0.00
50		Dimethylphthalate	40.000	37.611	6.0	97	0.00
51		2,6-Dinitrotoluene	40.000	38.970	2.6	97	0.00
52	C	Acenaphthene	40.000	38.405	4.0	97	0.00
53		3-Nitroaniline	40.000	38.561	3.6	95	0.00
54	P	2,4-Dinitrophenol	40.000	39.326	1.7	102	0.00
55		Dibenzofuran	40.000	37.778	5.6	97	0.00
56	P	4-Nitrophenol	40.000	39.425	1.4	94	0.00
57		2,4-Dinitrotoluene	40.000	39.291	1.8	98	0.00
58		Fluorene	40.000	37.381	6.5	97	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	39.070	2.3	98	0.00
60		Diethylphthalate	40.000	38.337	4.2	98	0.00
61		4-Chlorophenyl-phenylether	40.000	38.272	4.3	99	0.00
62		4-Nitroaniline	40.000	38.953	2.6	95	0.00
63		Azobenzene	40.000	37.911	5.2	97	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	97	0.00
65		4,6-Dinitro-2-methylphenol	40.000	41.415	-3.5	99	0.00
66	c	n-Nitrosodiphenylamine	40.000	38.283	4.3	97	0.00
67		4-Bromophenyl-phenylether	40.000	39.015	2.5	97	0.00
68		Hexachlorobenzene	40.000	39.789	0.5	99	0.00
69		Atrazine	40.000	31.945	20.1	94	0.00
70	C	Pentachlorophenol	40.000	41.955	-4.9	97	0.00
71		Phenanthrene	40.000	38.357	4.1	97	0.00
72		Anthracene	40.000	37.991	5.0	95	0.00
73		Carbazole	40.000	38.167	4.6	95	0.00
74		Di-n-butylphthalate	40.000	38.717	3.2	99	0.00
75	C	Fluoranthene	40.000	37.545	6.1	94	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	92	0.00
77		Benzidine	40.000	57.513	-43.8#	103	0.00
78		Pyrene	40.000	38.539	3.7	95	0.00
79	S	Terphenyl-d14	80.000	79.748	0.3	97	0.00
80		Butylbenzylphthalate	40.000	40.778	-1.9	97	0.00
81		Benzo(a)anthracene	40.000	39.211	2.0	93	0.00
82		3,3'-Dichlorobenzidine	40.000	38.337	4.2	90	0.00
83		Chrysene	40.000	37.195	7.0	90	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	41.142	-2.9	98	0.00
85	c	Di-n-octyl phthalate	40.000	40.971	-2.4	97	0.00
86	I	Perylene-d12	20.000	20.000	0.0	91	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	38.467	3.8	88	0.00
88		Benzo(b)fluoranthene	40.000	39.906	0.2	103	0.00
89		Benzo(k)fluoranthene	40.000	34.765	13.1	77	0.00
90	C	Benzo(a)pyrene	40.000	38.612	3.5	91	0.00
91		Dibenzo(a,h)anthracene	40.000	38.931	2.7	88	0.00
92		Benzo(g,h,i)perylene	40.000	38.051	4.9	86	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141906.D
Acq On : 10 Mar 2025 15:53
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Quant Time: Mar 10 16:15:33 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

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Raw Data: **BF141931.D**

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM Case No.: Q1522 SAS No.: Q1522 SDG No.: Q1522

Instrument ID: BNA_F Calibration Date/Time: 03/12/2025 10:08

Lab File ID: BF141931.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	1.173		-2.1	
Phenol-d6	1.526	1.445		-5.3	
Phenol	1.605	1.537		-4.2	20.0
1,4-Dichlorobenzene	1.452	1.392		-4.1	20.0
Nitrobenzene-d5	0.355	0.352		-0.8	
1,2,4-Trichlorobenzene	0.327	0.318		-2.8	
Naphthalene	1.027	0.997		-2.9	
2-Fluorobiphenyl	1.315	1.265		-3.8	
2,4,6-Tribromophenol	0.254	0.254		0.0	
Terphenyl-d14	1.353	1.146		-15.3	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031225\
Data File : BF141931.D
Acq On : 12 Mar 2025 10:08
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Mar 12 11:51:51 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	164449	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	621435	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	348146	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	605778	20.000	ng	0.00
76) Chrysene-d12	14.039	240	481594	20.000	ng	0.00
86) Perylene-d12	15.510	264	422923	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	771378	78.286	ng	0.00
7) Phenol-d6	6.504	99	950514	75.765	ng	0.00
23) Nitrobenzene-d5	7.445	82	873829	79.132	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	353302	79.992	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	1761937	76.967	ng	0.00
79) Terphenyl-d14	12.986	244	2208503	67.799	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.646	88	159042	38.522	ng	99
3) Pyridine	3.416	79	389523	38.463	ng	99
4) n-Nitrosodimethylamine	3.363	42	184273	38.171	ng	100
6) Aniline	6.545	93	454140	36.695	ng	99
8) 2-Chlorophenol	6.669	128	417828	38.234	ng	99
9) Benzaldehyde	6.434	77	267628	38.143	ng	99
10) Phenol	6.516	94	505571	38.306	ng	99
11) bis(2-Chloroethyl)ether	6.616	93	364772	36.807	ng	99
12) 1,3-Dichlorobenzene	6.822	146	449929	38.136	ng	100
13) 1,4-Dichlorobenzene	6.898	146	457684	38.341	ng	100
14) 1,2-Dichlorobenzene	7.051	146	430324	38.273	ng	99
15) Benzyl Alcohol	7.022	79	384745	37.934	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.157	45	415279	34.709	ng	99
17) 2-Methylphenol	7.128	107	320375	36.871	ng	99
18) Hexachloroethane	7.392	117	170661	38.125	ng	99
19) n-Nitroso-di-n-propyla...	7.292	70	281413	34.909	ng	99
20) 3+4-Methylphenols	7.281	107	415467	37.330	ng	95
22) Acetophenone	7.292	105	569612	38.275	ng	98
24) Nitrobenzene	7.463	77	427745	38.965	ng	99
25) Isophorone	7.698	82	721655	36.971	ng	99
26) 2-Nitrophenol	7.775	139	218139	40.487	ng	96
27) 2,4-Dimethylphenol	7.810	122	282241	38.044	ng	99
28) bis(2-Chloroethoxy)met...	7.910	93	453054	37.005	ng	99
29) 2,4-Dichlorophenol	8.016	162	353771	38.418	ng	100
30) 1,2,4-Trichlorobenzene	8.104	180	394814	38.905	ng	99
31) Naphthalene	8.186	128	1238698	38.804	ng	100
32) Benzoic acid	7.916	122	274940	42.159	ng	99
33) 4-Chloroaniline	8.228	127	425659	37.773	ng	100
34) Hexachlorobutadiene	8.304	225	260133	39.306	ng	99
35) Caprolactam	8.598	113	106653	37.989	ng	93
36) 4-Chloro-3-methylphenol	8.704	107	387740	37.747	ng	98
37) 2-Methylnaphthalene	8.875	142	812618	38.085	ng	100
38) 1-Methylnaphthalene	8.975	142	781519	37.956	ng	99
40) 1,2,4,5-Tetrachloroben...	9.039	216	413640	39.024	ng	99
41) Hexachlorocyclopentadiene	9.028	237	171856	41.428	ng	99
43) 2,4,6-Trichlorophenol	9.145	196	272850	39.388	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031225\
Data File : BF141931.D
Acq On : 12 Mar 2025 10:08
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Mar 12 11:51:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

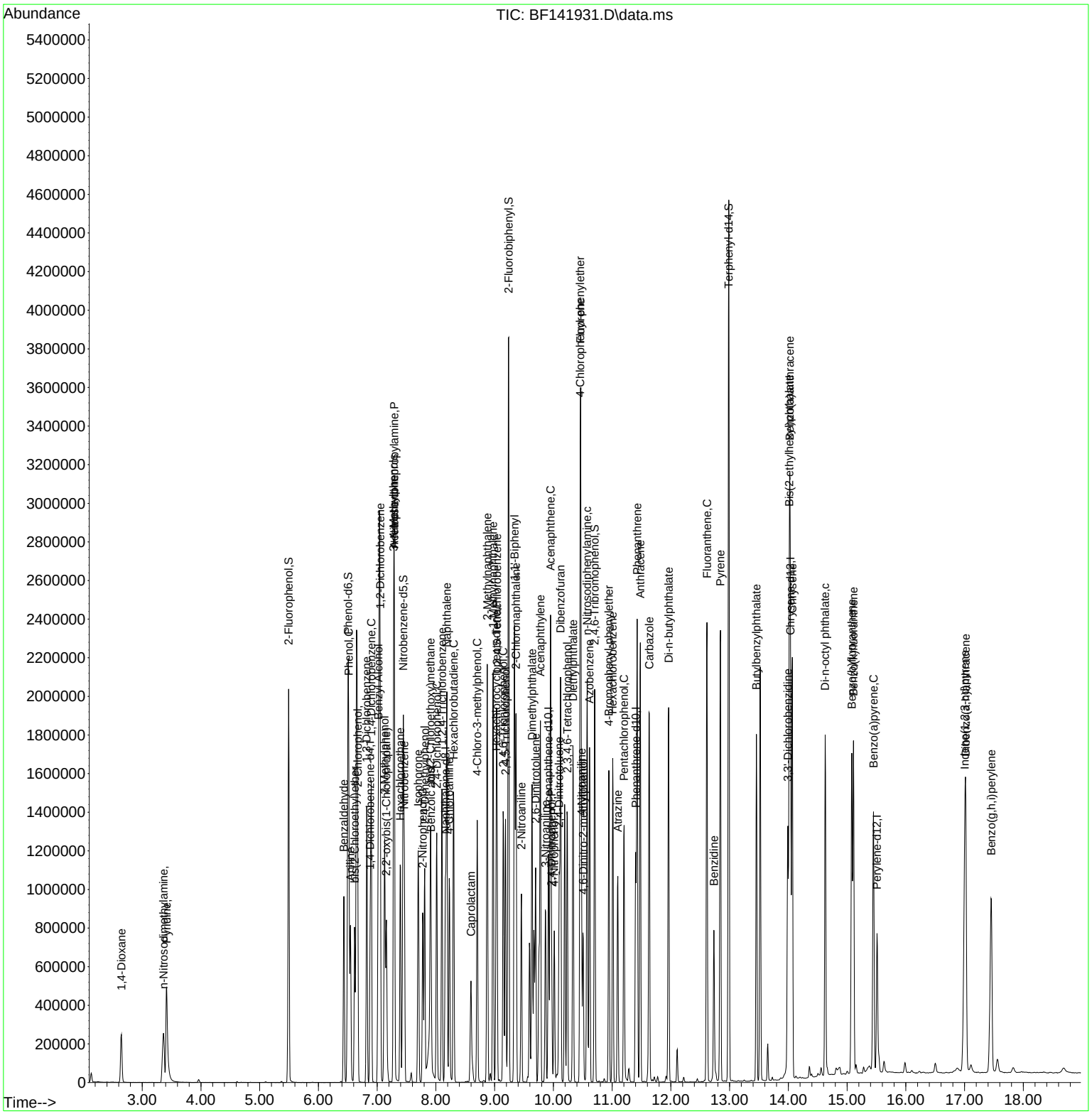
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	270479	38.552	ng		99
46) 1,1'-Biphenyl	9.339	154	1031117	38.980	ng		99
47) 2-Chloronaphthalene	9.363	162	759954	38.544	ng		99
48) 2-Nitroaniline	9.457	65	221467	38.794	ng		97
49) Acenaphthylene	9.781	152	1142019	39.032	ng		100
50) Dimethylphthalate	9.639	163	922073	37.821	ng		100
51) 2,6-Dinitrotoluene	9.698	165	201790	39.753	ng		94
52) Acenaphthene	9.951	154	805141	39.158	ng		99
53) 3-Nitroaniline	9.869	138	204438	39.704	ng		97
54) 2,4-Dinitrophenol	9.969	184	109284	41.352	ng	#	74
55) Dibenzofuran	10.122	168	1123580	38.243	ng		99
56) 4-Nitrophenol	10.016	139	170597	43.934	ng		99
57) 2,4-Dinitrotoluene	10.098	165	270528	40.804	ng		99
58) Fluorene	10.463	166	864779	38.168	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.239	232	251127	39.335	ng		97
60) Diethylphthalate	10.333	149	930008	38.257	ng		100
61) 4-Chlorophenyl-phenyle...	10.457	204	455903	38.596	ng		98
62) 4-Nitroaniline	10.480	138	208211	41.535	ng		99
63) Azobenzene	10.616	77	853737	37.774	ng		99
65) 4,6-Dinitro-2-methylph...	10.510	198	154648	42.823	ng		96
66) n-Nitrosodiphenylamine	10.575	169	738374	37.666	ng		100
67) 4-Bromophenyl-phenylether	10.945	248	289702	38.079	ng		99
68) Hexachlorobenzene	11.010	284	321187	38.493	ng		99
69) Atrazine	11.098	200	197072	32.793	ng		99
70) Pentachlorophenol	11.204	266	221968	43.176	ng		99
71) Phenanthrene	11.427	178	1260955	38.538	ng		99
72) Anthracene	11.480	178	1264363	38.516	ng		100
73) Carbazole	11.633	167	1135803	40.120	ng		100
74) Di-n-butylphthalate	11.963	149	1426682	37.980	ng		99
75) Fluoranthene	12.616	202	1394563	40.179	ng		99
77) Benzidine	12.733	184	424714	63.210	ng		100
78) Pyrene	12.845	202	1403910	33.701	ng		99
80) Butylbenzylphthalate	13.457	149	570029	34.960	ng		99
81) Benzo(a)anthracene	14.027	228	1171992	37.086	ng		100
82) 3,3'-Dichlorobenzidine	13.992	252	383617	42.005	ng		99
83) Chrysene	14.068	228	1115589	38.943	ng		100
84) Bis(2-ethylhexyl)phtha...	14.016	149	772514	34.362	ng		99
85) Di-n-octyl phthalate	14.627	149	1194710	38.193	ng		99
87) Indeno(1,2,3-cd)pyrene	17.004	276	1058431	38.688	ng		98
88) Benzo(b)fluoranthene	15.080	252	1015154	35.023	ng		100
89) Benzo(k)fluoranthene	15.110	252	993652	40.059	ng		99
90) Benzo(a)pyrene	15.451	252	866392	38.201	ng		99
91) Dibenzo(a,h)anthracene	17.021	278	869970	38.541	ng		99
92) Benzo(g,h,i)perylene	17.456	276	887990	39.809	ng		98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031225\
Data File : BF141931.D
Acq On : 12 Mar 2025 10:08
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Mar 12 11:51:51 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



Sample Results: **BF141931.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031225\
Data File : BF141931.D
Acq On : 12 Mar 2025 10:08
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Mar 12 11:51:51 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

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	74	0.00
2		1,4-Dioxane	0.502	0.484	3.6	71	-0.03
3		Pyridine	1.232	1.184	3.9	72	-0.02
4		n-Nitrosodimethylamine	0.587	0.560	4.6	71	-0.03
5	S	2-Fluorophenol	1.198	1.173	2.1	75	0.00
6		Aniline	1.505	1.381	8.2	70	0.00
7	S	Phenol-d6	1.526	1.445	5.3	74	0.00
8		2-Chlorophenol	1.329	1.270	4.4	74	0.00
9		Benzaldehyde	0.853	0.814	4.6	77	0.00
10	C	Phenol	1.605	1.537	4.2	74	0.00
11		bis(2-Chloroethyl)ether	1.205	1.109	8.0	71	0.00
12		1,3-Dichlorobenzene	1.435	1.368	4.7	74	0.00
13	C	1,4-Dichlorobenzene	1.452	1.392	4.1	74	0.00
14		1,2-Dichlorobenzene	1.367	1.308	4.3	74	0.00
15		Benzyl Alcohol	1.233	1.170	5.1	73	0.00
16		2,2'-oxybis(1-Chloropropane	1.455	1.263	13.2	68	0.00
17		2-Methylphenol	1.057	0.974	7.9	71	0.00
18		Hexachloroethane	0.544	0.519	4.6	74	0.00
19	P	n-Nitroso-di-n-propylamine	0.980	0.856	12.7	69	0.00
20		3+4-Methylphenols	1.354	1.263	6.7	72	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	71	0.00
22		Acetophenone	0.479	0.458	4.4	71	0.00
23	S	Nitrobenzene-d5	0.355	0.352	0.8	72	0.00
24		Nitrobenzene	0.353	0.344	2.5	71	0.00
25		Isophorone	0.628	0.581	7.5	69	0.00
26	C	2-Nitrophenol	0.173	0.176	-1.7	71	0.00
27		2,4-Dimethylphenol	0.239	0.227	5.0	70	0.00
28		bis(2-Chloroethoxy)methane	0.394	0.365	7.4	70	0.00
29	C	2,4-Dichlorophenol	0.296	0.285	3.7	71	0.00
30		1,2,4-Trichlorobenzene	0.327	0.318	2.8	73	0.00
31		Naphthalene	1.027	0.997	2.9	72	0.00
32		Benzoic acid	0.210	0.221	-5.2	76	-0.01
33		4-Chloroaniline	0.363	0.342	5.8	69	0.00
34	C	Hexachlorobutadiene	0.213	0.209	1.9	73	0.00
35		Caprolactam	0.090	0.086	4.4	73	0.00
36	C	4-Chloro-3-methylphenol	0.331	0.312	5.7	70	0.00
37		2-Methylnaphthalene	0.687	0.654	4.8	71	0.00
38		1-Methylnaphthalene	0.663	0.629	5.1	72	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	71	0.00
40		1,2,4,5-Tetrachlorobenzene	0.609	0.594	2.5	71	0.00
41	P	Hexachlorocyclopentadiene	0.238	0.247	-3.8	70	0.00
42	S	2,4,6-Tribromophenol	0.254	0.254	0.0	72	0.00
43	C	2,4,6-Trichlorophenol	0.398	0.392	1.5	69	0.00
44		2,4,5-Trichlorophenol	0.403	0.388	3.7	70	0.00
45	S	2-Fluorobiphenyl	1.315	1.265	3.8	71	0.00
46		1,1'-Biphenyl	1.520	1.481	2.6	72	0.00
47		2-Chloronaphthalene	1.133	1.091	3.7	71	0.00

Sample Results: **BF141931.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031225\
Data File : BF141931.D
Acq On : 12 Mar 2025 10:08
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Mar 12 11:51:51 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

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.328	0.318	3.0	70	0.00
49		Acenaphthylene	1.681	1.640	2.4	71	0.00
50		Dimethylphthalate	1.401	1.324	5.5	70	0.00
51		2,6-Dinitrotoluene	0.292	0.290	0.7	72	0.00
52	C	Acenaphthene	1.181	1.156	2.1	71	0.00
53		3-Nitroaniline	0.296	0.294	0.7	71	0.00
54	P	2,4-Dinitrophenol	0.139	0.157	-12.9	78	0.00
55		Dibenzofuran	1.688	1.614	4.4	71	0.00
56	P	4-Nitrophenol	0.223	0.245	-9.9	75	0.00
57		2,4-Dinitrotoluene	0.381	0.389	-2.1	73	0.00
58		Fluorene	1.302	1.242	4.6	71	0.00
59		2,3,4,6-Tetrachlorophenol	0.367	0.361	1.6	71	0.00
60		Diethylphthalate	1.397	1.336	4.4	71	0.00
61		4-Chlorophenyl-phenylether	0.679	0.655	3.5	72	0.00
62		4-Nitroaniline	0.288	0.299	-3.8	73	0.00
63		Azobenzene	1.298	1.226	5.5	69	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	72	0.00
65		4,6-Dinitro-2-methylphenol	0.119	0.128	-7.6	76	0.00
66	c	n-Nitrosodiphenylamine	0.647	0.609	5.9	71	0.00
67		4-Bromophenyl-phenylether	0.251	0.239	4.8	71	0.00
68		Hexachlorobenzene	0.275	0.265	3.6	71	0.00
69		Atrazine	0.198	0.163	17.7	72	0.00
70	C	Pentachlorophenol	0.170	0.183	-7.6	75	0.00
71		Phenanthrene	1.080	1.041	3.6	72	0.00
72		Anthracene	1.084	1.044	3.7	72	0.00
73		Carbazole	0.935	0.937	-0.2	74	0.00
74		Di-n-butylphthalate	1.240	1.178	5.0	72	0.00
75	C	Fluoranthene	1.146	1.151	-0.4	75	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	85	0.00
77		Benzidine	0.279	0.441	-58.1#	104	0.00
78		Pyrene	1.730	1.458	15.7	76	0.00
79	S	Terphenyl-d14	1.353	1.146	15.3	76	0.00
80		Butylbenzylphthalate	0.677	0.592	12.6	76	0.00
81		Benzo(a)anthracene	1.312	1.217	7.2	81	0.00
82		3,3'-Dichlorobenzidine	0.379	0.398	-5.0	91	0.00
83		Chrysene	1.190	1.158	2.7	86	0.00
84		Bis(2-ethylhexyl)phthalate	0.934	0.802	14.1	75	0.00
85	c	Di-n-octyl phthalate	1.299	1.240	4.5	83	0.00
86	I	Perylene-d12	1.000	1.000	0.0	90	0.00
87		Indeno(1,2,3-cd)pyrene	1.294	1.251	3.3	88	0.00
88		Benzo(b)fluoranthene	1.371	1.200	12.5	89	0.00
89		Benzo(k)fluoranthene	1.173	1.175	-0.2	88	0.00
90	C	Benzo(a)pyrene	1.073	1.024	4.6	89	0.00
91		Dibenzo(a,h)anthracene	1.067	1.029	3.6	87	0.00
92		Benzo(g,h,i)perylene	1.055	1.050	0.5	89	0.00

Sample Results: **BF141931.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031225\
Data File : BF141931.D
Acq On : 12 Mar 2025 10:08
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Mar 12 11:51:51 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

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Sample Results: **BF141931.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031225\
Data File : BF141931.D
Acq On : 12 Mar 2025 10:08
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Mar 12 11:51:51 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

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	74	0.00
2		1,4-Dioxane	40.000	38.522	3.7	71	-0.03
3		Pyridine	40.000	38.463	3.8	72	-0.02
4		n-Nitrosodimethylamine	40.000	38.171	4.6	71	-0.03
5	S	2-Fluorophenol	80.000	78.286	2.1	75	0.00
6		Aniline	40.000	36.695	8.3	70	0.00
7	S	Phenol-d6	80.000	75.765	5.3	74	0.00
8		2-Chlorophenol	40.000	38.234	4.4	74	0.00
9		Benzaldehyde	40.000	38.143	4.6	77	0.00
10	C	Phenol	40.000	38.306	4.2	74	0.00
11		bis(2-Chloroethyl)ether	40.000	36.807	8.0	71	0.00
12		1,3-Dichlorobenzene	40.000	38.136	4.7	74	0.00
13	C	1,4-Dichlorobenzene	40.000	38.341	4.1	74	0.00
14		1,2-Dichlorobenzene	40.000	38.273	4.3	74	0.00
15		Benzyl Alcohol	40.000	37.934	5.2	73	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	34.709	13.2	68	0.00
17		2-Methylphenol	40.000	36.871	7.8	71	0.00
18		Hexachloroethane	40.000	38.125	4.7	74	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	34.909	12.7	69	0.00
20		3+4-Methylphenols	40.000	37.330	6.7	72	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	71	0.00
22		Acetophenone	40.000	38.275	4.3	71	0.00
23	S	Nitrobenzene-d5	80.000	79.132	1.1	72	0.00
24		Nitrobenzene	40.000	38.965	2.6	71	0.00
25		Isophorone	40.000	36.971	7.6	69	0.00
26	C	2-Nitrophenol	40.000	40.487	-1.2	71	0.00
27		2,4-Dimethylphenol	40.000	38.044	4.9	70	0.00
28		bis(2-Chloroethoxy)methane	40.000	37.005	7.5	70	0.00
29	C	2,4-Dichlorophenol	40.000	38.418	4.0	71	0.00
30		1,2,4-Trichlorobenzene	40.000	38.905	2.7	73	0.00
31		Naphthalene	40.000	38.804	3.0	72	0.00
32		Benzoic acid	40.000	42.159	-5.4	76	-0.01
33		4-Chloroaniline	40.000	37.773	5.6	69	0.00
34	C	Hexachlorobutadiene	40.000	39.306	1.7	73	0.00
35		Caprolactam	40.000	37.989	5.0	73	0.00
36	C	4-Chloro-3-methylphenol	40.000	37.747	5.6	70	0.00
37		2-Methylnaphthalene	40.000	38.085	4.8	71	0.00
38		1-Methylnaphthalene	40.000	37.956	5.1	72	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	71	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	39.024	2.4	71	0.00
41	P	Hexachlorocyclopentadiene	40.000	41.428	-3.6	70	0.00
42	S	2,4,6-Tribromophenol	80.000	79.992	0.0	72	0.00
43	C	2,4,6-Trichlorophenol	40.000	39.388	1.5	69	0.00
44		2,4,5-Trichlorophenol	40.000	38.552	3.6	70	0.00
45	S	2-Fluorobiphenyl	80.000	76.967	3.8	71	0.00
46		1,1'-Biphenyl	40.000	38.980	2.6	72	0.00
47		2-Chloronaphthalene	40.000	38.544	3.6	71	0.00

Sample Results: **BF141931.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031225\
Data File : BF141931.D
Acq On : 12 Mar 2025 10:08
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Mar 12 11:51:51 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

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	38.794	3.0	70	0.00
49		Acenaphthylene	40.000	39.032	2.4	71	0.00
50		Dimethylphthalate	40.000	37.821	5.4	70	0.00
51		2,6-Dinitrotoluene	40.000	39.753	0.6	72	0.00
52	C	Acenaphthene	40.000	39.158	2.1	71	0.00
53		3-Nitroaniline	40.000	39.704	0.7	71	0.00
54	P	2,4-Dinitrophenol	40.000	41.352	-3.4	78	0.00
55		Dibenzofuran	40.000	38.243	4.4	71	0.00
56	P	4-Nitrophenol	40.000	43.934	-9.8	75	0.00
57		2,4-Dinitrotoluene	40.000	40.804	-2.0	73	0.00
58		Fluorene	40.000	38.168	4.6	71	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	39.335	1.7	71	0.00
60		Diethylphthalate	40.000	38.257	4.4	71	0.00
61		4-Chlorophenyl-phenylether	40.000	38.596	3.5	72	0.00
62		4-Nitroaniline	40.000	41.535	-3.8	73	0.00
63		Azobenzene	40.000	37.774	5.6	69	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	72	0.00
65		4,6-Dinitro-2-methylphenol	40.000	42.823	-7.1	76	0.00
66	c	n-Nitrosodiphenylamine	40.000	37.666	5.8	71	0.00
67		4-Bromophenyl-phenylether	40.000	38.079	4.8	71	0.00
68		Hexachlorobenzene	40.000	38.493	3.8	71	0.00
69		Atrazine	40.000	32.793	18.0	72	0.00
70	C	Pentachlorophenol	40.000	43.176	-7.9	75	0.00
71		Phenanthrene	40.000	38.538	3.7	72	0.00
72		Anthracene	40.000	38.516	3.7	72	0.00
73		Carbazole	40.000	40.120	-0.3	74	0.00
74		Di-n-butylphthalate	40.000	37.980	5.1	72	0.00
75	C	Fluoranthene	40.000	40.179	-0.4	75	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	85	0.00
77		Benzidine	40.000	63.210	-58.0#	104	0.00
78		Pyrene	40.000	33.701	15.7	76	0.00
79	S	Terphenyl-d14	80.000	67.799	15.3	76	0.00
80		Butylbenzylphthalate	40.000	34.960	12.6	76	0.00
81		Benzo(a)anthracene	40.000	37.086	7.3	81	0.00
82		3,3'-Dichlorobenzidine	40.000	42.005	-5.0	91	0.00
83		Chrysene	40.000	38.943	2.6	86	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	34.362	14.1	75	0.00
85	c	Di-n-octyl phthalate	40.000	38.193	4.5	83	0.00
86	I	Perylene-d12	20.000	20.000	0.0	90	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	38.688	3.3	88	0.00
88		Benzo(b)fluoranthene	40.000	35.023	12.4	89	0.00
89		Benzo(k)fluoranthene	40.000	40.059	-0.1	88	0.00
90	C	Benzo(a)pyrene	40.000	38.201	4.5	89	0.00
91		Dibenzo(a,h)anthracene	40.000	38.541	3.6	87	0.00
92		Benzo(g,h,i)perylene	40.000	39.809	0.5	89	0.00

Sample Results: **BF141931.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031225\
Data File : BF141931.D
Acq On : 12 Mar 2025 10:08
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Mar 12 11:51:51 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

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM Case No.: Q1522 SAS No.: Q1522 SDG No.: Q1522

Instrument ID: BNA_F Calibration Date/Time: 03/13/2025 12:17

Lab File ID: BF141939.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	1.154		-3.7	
Phenol-d6	1.526	1.446		-5.2	
Phenol	1.605	1.528		-4.8	20.0
1,4-Dichlorobenzene	1.452	1.393		-4.1	20.0
Nitrobenzene-d5	0.355	0.344		-3.1	
1,2,4-Trichlorobenzene	0.327	0.315		-3.7	
Naphthalene	1.027	0.986		-4.0	
2-Fluorobiphenyl	1.315	1.265		-3.8	
2,4,6-Tribromophenol	0.254	0.253		-0.4	
Terphenyl-d14	1.353	1.361		0.6	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
Data File : BF141939.D
Acq On : 13 Mar 2025 12:17
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Mar 13 13:05:23 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	6.875	152	198004	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	767232	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	426931	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	726402	20.000	ng	0.00
76) Chrysene-d12	14.033	240	451214	20.000	ng	0.00
86) Perylene-d12	15.504	264	394917	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	914193	77.057	ng	0.00
7) Phenol-d6	6.504	99	1145375	75.826	ng	0.00
23) Nitrobenzene-d5	7.439	82	1055101	77.391	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	432513	79.856	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	2159613	76.930	ng	0.00
79) Terphenyl-d14	12.980	244	2456339	80.485	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.681	88	195530	39.334	ng	99
3) Pyridine	3.446	79	472100	38.717	ng	99
4) n-Nitrosodimethylamine	3.399	42	226886	39.034	ng	98
6) Aniline	6.540	93	558500	37.480	ng	100
8) 2-Chlorophenol	6.663	128	505200	38.395	ng	100
9) Benzaldehyde	6.428	77	297311	35.193	ng	99
10) Phenol	6.516	94	605095	38.077	ng	100
11) bis(2-Chloroethyl)ether	6.616	93	446408	37.411	ng	99
12) 1,3-Dichlorobenzene	6.816	146	542765	38.208	ng	99
13) 1,4-Dichlorobenzene	6.892	146	551564	38.375	ng	99
14) 1,2-Dichlorobenzene	7.051	146	522830	38.620	ng	99
15) Benzyl Alcohol	7.016	79	463386	37.946	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	508939	35.329	ng	99
17) 2-Methylphenol	7.122	107	393438	37.607	ng	99
18) Hexachloroethane	7.392	117	205179	38.069	ng	95
19) n-Nitroso-di-n-propyla...	7.292	70	347590	35.812	ng	100
20) 3+4-Methylphenols	7.275	107	502037	37.464	ng	98
22) Acetophenone	7.287	105	704297	38.332	ng	99
24) Nitrobenzene	7.457	77	523612	38.634	ng	100
25) Isophorone	7.698	82	889235	36.899	ng	100
26) 2-Nitrophenol	7.775	139	263074	39.549	ng	100
27) 2,4-Dimethylphenol	7.804	122	352630	38.499	ng	100
28) bis(2-Chloroethoxy)met...	7.904	93	559932	37.044	ng	99
29) 2,4-Dichlorophenol	8.010	162	435680	38.322	ng	99
30) 1,2,4-Trichlorobenzene	8.098	180	482699	38.527	ng	99
31) Naphthalene	8.181	128	1512818	38.385	ng	100
32) Benzoic acid	7.922	122	338815	42.081	ng	99
33) 4-Chloroaniline	8.228	127	523526	37.629	ng	99
34) Hexachlorobutadiene	8.298	225	319154	39.060	ng	99
35) Caprolactam	8.598	113	131311	37.884	ng	94
36) 4-Chloro-3-methylphenol	8.698	107	479000	37.769	ng	100
37) 2-Methylnaphthalene	8.869	142	1002209	38.045	ng	100
38) 1-Methylnaphthalene	8.969	142	966389	38.016	ng	99
40) 1,2,4,5-Tetrachloroben...	9.034	216	506575	38.972	ng	98
41) Hexachlorocyclopentadiene	9.022	237	213556	41.981	ng	99
43) 2,4,6-Trichlorophenol	9.145	196	335717	39.520	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
Data File : BF141939.D
Acq On : 13 Mar 2025 12:17
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Mar 13 13:05:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

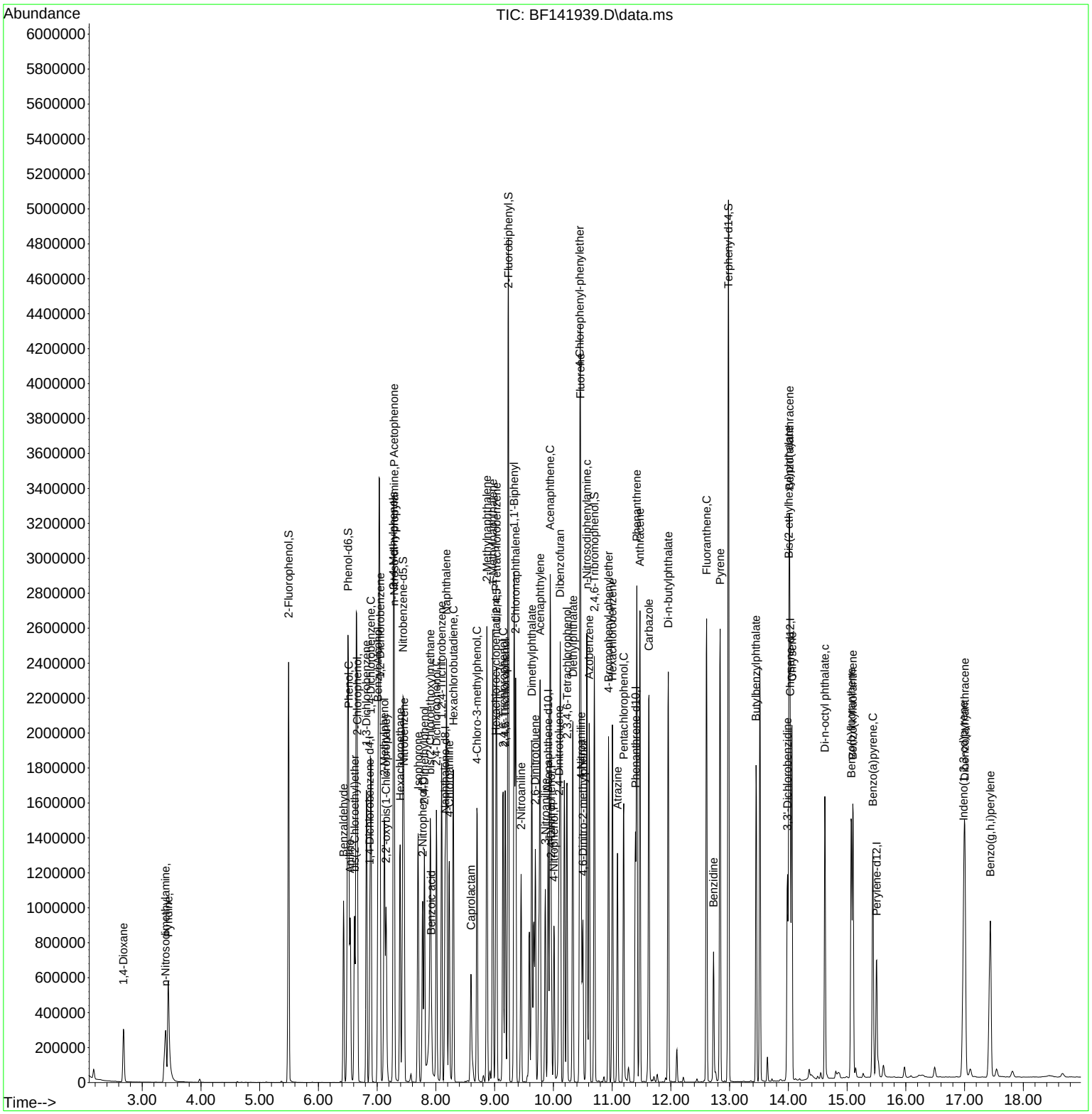
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.181	196	335620	39.009	ng	100
46) 1,1'-Biphenyl	9.333	154	1256074	38.721	ng	100
47) 2-Chloronaphthalene	9.357	162	946087	39.130	ng	99
48) 2-Nitroaniline	9.451	65	273545	39.074	ng	100
49) Acenaphthylene	9.775	152	1399495	39.005	ng	100
50) Dimethylphthalate	9.633	163	1139250	38.106	ng	100
51) 2,6-Dinitrotoluene	9.692	165	243366	39.096	ng	97
52) Acenaphthene	9.945	154	991587	39.326	ng	99
53) 3-Nitroaniline	9.863	138	243288	38.530	ng	99
54) 2,4-Dinitrophenol	9.963	184	132695	41.009	ng	88
55) Dibenzofuran	10.116	168	1389049	38.554	ng	99
56) 4-Nitrophenol	10.010	139	196664	41.301	ng	100
57) 2,4-Dinitrotoluene	10.098	165	318648	39.193	ng	98
58) Fluorene	10.463	166	1061221	38.195	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.233	232	310873	39.708	ng	98
60) Diethylphthalate	10.333	149	1134119	38.044	ng	100
61) 4-Chlorophenyl-phenyle...	10.451	204	559798	38.646	ng	98
62) 4-Nitroaniline	10.475	138	242993	39.528	ng	99
63) Azobenzene	10.610	77	1050098	37.888	ng	99
65) 4,6-Dinitro-2-methylph...	10.504	198	181277	41.862	ng	99
66) n-Nitrosodiphenylamine	10.569	169	906795	38.576	ng	100
67) 4-Bromophenyl-phenylether	10.939	248	355291	38.946	ng	100
68) Hexachlorobenzene	11.004	284	395519	39.530	ng	99
69) Atrazine	11.092	200	238990	33.164	ng	99
70) Pentachlorophenol	11.198	266	261878	42.480	ng	100
71) Phenanthrene	11.422	178	1501673	38.274	ng	99
72) Anthracene	11.475	178	1507154	38.288	ng	100
73) Carbazole	11.627	167	1302310	38.363	ng	100
74) Di-n-butylphthalate	11.957	149	1710894	37.983	ng	99
75) Fluoranthene	12.610	202	1559838	37.478	ng	99
77) Benzidine	12.727	184	397420	63.130	ng	99
78) Pyrene	12.839	202	1536542	39.368	ng	99
80) Butylbenzylphthalate	13.451	149	585688	38.339	ng	99
81) Benzo(a)anthracene	14.021	228	1129185	38.137	ng	100
82) 3,3'-Dichlorobenzidine	13.986	252	353908	41.361	ng	99
83) Chrysene	14.063	228	1052493	39.214	ng	100
84) Bis(2-ethylhexyl)phtha...	14.010	149	770893	36.599	ng	100
85) Di-n-octyl phthalate	14.621	149	1091714	37.251	ng	99
87) Indeno(1,2,3-cd)pyrene	16.986	276	1036676	40.580	ng	98
88) Benzo(b)fluoranthene	15.074	252	995633	36.786	ng	99
89) Benzo(k)fluoranthene	15.098	252	862161	37.223	ng	100
90) Benzo(a)pyrene	15.439	252	809840	38.240	ng	100
91) Dibenzo(a,h)anthracene	17.004	278	863026	40.945	ng	99
92) Benzo(g,h,i)perylene	17.439	276	863842	41.473	ng	98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
Data File : BF141939.D
Acq On : 13 Mar 2025 12:17
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Mar 13 13:05:23 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



Sample Results: **BF141939.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
Data File : BF141939.D
Acq On : 13 Mar 2025 12:17
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Mar 13 13:05:23 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

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	89	0.00
2		1,4-Dioxane	0.502	0.494	1.6	87	0.00
3		Pyridine	1.232	1.192	3.2	87	0.00
4		n-Nitrosodimethylamine	0.587	0.573	2.4	87	0.00
5	S	2-Fluorophenol	1.198	1.154	3.7	89	0.00
6		Aniline	1.505	1.410	6.3	86	0.00
7	S	Phenol-d6	1.526	1.446	5.2	89	0.00
8		2-Chlorophenol	1.329	1.276	4.0	90	0.00
9		Benzaldehyde	0.853	0.751	12.0	86	0.00
10	C	Phenol	1.605	1.528	4.8	88	0.00
11		bis(2-Chloroethyl)ether	1.205	1.127	6.5	87	0.00
12		1,3-Dichlorobenzene	1.435	1.371	4.5	89	0.00
13	C	1,4-Dichlorobenzene	1.452	1.393	4.1	89	0.00
14		1,2-Dichlorobenzene	1.367	1.320	3.4	90	0.00
15		Benzyl Alcohol	1.233	1.170	5.1	88	0.00
16		2,2'-oxybis(1-Chloropropane	1.455	1.285	11.7	84	0.00
17		2-Methylphenol	1.057	0.994	6.0	88	0.00
18		Hexachloroethane	0.544	0.518	4.8	89	0.00
19	P	n-Nitroso-di-n-propylamine	0.980	0.878	10.4	85	0.00
20		3+4-Methylphenols	1.354	1.268	6.4	87	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	88	0.00
22		Acetophenone	0.479	0.459	4.2	88	0.00
23	S	Nitrobenzene-d5	0.355	0.344	3.1	87	0.00
24		Nitrobenzene	0.353	0.341	3.4	87	0.00
25		Isophorone	0.628	0.580	7.6	85	0.00
26	C	2-Nitrophenol	0.173	0.171	1.2	86	0.00
27		2,4-Dimethylphenol	0.239	0.230	3.8	87	0.00
28		bis(2-Chloroethoxy)methane	0.394	0.365	7.4	86	0.00
29	C	2,4-Dichlorophenol	0.296	0.284	4.1	87	0.00
30		1,2,4-Trichlorobenzene	0.327	0.315	3.7	89	0.00
31		Naphthalene	1.027	0.986	4.0	88	0.00
32		Benzoic acid	0.210	0.221	-5.2	93	0.00
33		4-Chloroaniline	0.363	0.341	6.1	85	0.00
34	C	Hexachlorobutadiene	0.213	0.208	2.3	90	0.00
35		Caprolactam	0.090	0.086	4.4	89	0.00
36	C	4-Chloro-3-methylphenol	0.331	0.312	5.7	86	0.00
37		2-Methylnaphthalene	0.687	0.653	4.9	88	0.00
38		1-Methylnaphthalene	0.663	0.630	5.0	89	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	86	0.00
40		1,2,4,5-Tetrachlorobenzene	0.609	0.593	2.6	87	0.00
41	P	Hexachlorocyclopentadiene	0.238	0.250	-5.0	87	0.00
42	S	2,4,6-Tribromophenol	0.254	0.253	0.4	88	0.00
43	C	2,4,6-Trichlorophenol	0.398	0.393	1.3	85	0.00
44		2,4,5-Trichlorophenol	0.403	0.393	2.5	87	0.00
45	S	2-Fluorobiphenyl	1.315	1.265	3.8	87	0.00
46		1,1'-Biphenyl	1.520	1.471	3.2	87	0.00
47		2-Chloronaphthalene	1.133	1.108	2.2	88	0.00

Sample Results: **BF141939.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
Data File : BF141939.D
Acq On : 13 Mar 2025 12:17
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Mar 13 13:05:23 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

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.328	0.320	2.4	86	0.00
49		Acenaphthylene	1.681	1.639	2.5	87	0.00
50		Dimethylphthalate	1.401	1.334	4.8	87	0.00
51		2,6-Dinitrotoluene	0.292	0.285	2.4	86	0.00
52	C	Acenaphthene	1.181	1.161	1.7	88	0.00
53		3-Nitroaniline	0.296	0.285	3.7	84	0.00
54	P	2,4-Dinitrophenol	0.139	0.155	-11.5	95	0.00
55		Dibenzofuran	1.688	1.627	3.6	87	0.00
56	P	4-Nitrophenol	0.223	0.230	-3.1	87	0.00
57		2,4-Dinitrotoluene	0.381	0.373	2.1	86	0.00
58		Fluorene	1.302	1.243	4.5	87	0.00
59		2,3,4,6-Tetrachlorophenol	0.367	0.364	0.8	88	0.00
60		Diethylphthalate	1.397	1.328	4.9	86	0.00
61		4-Chlorophenyl-phenylether	0.679	0.656	3.4	88	0.00
62		4-Nitroaniline	0.288	0.285	1.0	85	0.00
63		Azobenzene	1.298	1.230	5.2	85	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	87	0.00
65		4,6-Dinitro-2-methylphenol	0.119	0.125	-5.0	89	0.00
66	c	n-Nitrosodiphenylamine	0.647	0.624	3.6	87	0.00
67		4-Bromophenyl-phenylether	0.251	0.245	2.4	87	0.00
68		Hexachlorobenzene	0.275	0.272	1.1	87	0.00
69		Atrazine	0.198	0.165	16.7	87	0.00
70	C	Pentachlorophenol	0.170	0.180	-5.9	88	0.00
71		Phenanthrene	1.080	1.034	4.3	86	0.00
72		Anthracene	1.084	1.037	4.3	86	0.00
73		Carbazole	0.935	0.896	4.2	85	0.00
74		Di-n-butylphthalate	1.240	1.178	5.0	87	0.00
75	C	Fluoranthene	1.146	1.074	6.3	84	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	79	0.00
77		Benzidine	0.279	0.440	-57.7#	97	0.00
78		Pyrene	1.730	1.703	1.6	84	0.00
79	S	Terphenyl-d14	1.353	1.361	-0.6	84	0.00
80		Butylbenzylphthalate	0.677	0.649	4.1	78	-0.01
81		Benzo(a)anthracene	1.312	1.251	4.6	78	0.00
82		3,3'-Dichlorobenzidine	0.379	0.392	-3.4	84	0.00
83		Chrysene	1.190	1.166	2.0	81	0.00
84		Bis(2-ethylhexyl)phthalate	0.934	0.854	8.6	75	-0.01
85	c	Di-n-octyl phthalate	1.299	1.210	6.9	76	-0.01
86	I	Perylene-d12	1.000	1.000	0.0	84	0.00
87		Indeno(1,2,3-cd)pyrene	1.294	1.313	-1.5	86	-0.01
88		Benzo(b)fluoranthene	1.371	1.261	8.0	88	0.00
89		Benzo(k)fluoranthene	1.173	1.092	6.9	76	-0.01
90	C	Benzo(a)pyrene	1.073	1.025	4.5	83	-0.01
91		Dibenzo(a,h)anthracene	1.067	1.093	-2.4	86	-0.02
92		Benzo(g,h,i)perylene	1.055	1.094	-3.7	86	-0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
Data File : BF141939.D
Acq On : 13 Mar 2025 12:17
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Mar 13 13:05:23 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

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Sample Results: **BF141939.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
Data File : BF141939.D
Acq On : 13 Mar 2025 12:17
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Mar 13 13:05:23 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

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	89	0.00
2		1,4-Dioxane	40.000	39.334	1.7	87	0.00
3		Pyridine	40.000	38.717	3.2	87	0.00
4		n-Nitrosodimethylamine	40.000	39.034	2.4	87	0.00
5	S	2-Fluorophenol	80.000	77.057	3.7	89	0.00
6		Aniline	40.000	37.480	6.3	86	0.00
7	S	Phenol-d6	80.000	75.826	5.2	89	0.00
8		2-Chlorophenol	40.000	38.395	4.0	90	0.00
9		Benzaldehyde	40.000	35.193	12.0	86	0.00
10	C	Phenol	40.000	38.077	4.8	88	0.00
11		bis(2-Chloroethyl)ether	40.000	37.411	6.5	87	0.00
12		1,3-Dichlorobenzene	40.000	38.208	4.5	89	0.00
13	C	1,4-Dichlorobenzene	40.000	38.375	4.1	89	0.00
14		1,2-Dichlorobenzene	40.000	38.620	3.5	90	0.00
15		Benzyl Alcohol	40.000	37.946	5.1	88	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	35.329	11.7	84	0.00
17		2-Methylphenol	40.000	37.607	6.0	88	0.00
18		Hexachloroethane	40.000	38.069	4.8	89	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	35.812	10.5	85	0.00
20		3+4-Methylphenols	40.000	37.464	6.3	87	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	88	0.00
22		Acetophenone	40.000	38.332	4.2	88	0.00
23	S	Nitrobenzene-d5	80.000	77.391	3.3	87	0.00
24		Nitrobenzene	40.000	38.634	3.4	87	0.00
25		Isophorone	40.000	36.899	7.8	85	0.00
26	C	2-Nitrophenol	40.000	39.549	1.1	86	0.00
27		2,4-Dimethylphenol	40.000	38.499	3.8	87	0.00
28		bis(2-Chloroethoxy)methane	40.000	37.044	7.4	86	0.00
29	C	2,4-Dichlorophenol	40.000	38.322	4.2	87	0.00
30		1,2,4-Trichlorobenzene	40.000	38.527	3.7	89	0.00
31		Naphthalene	40.000	38.385	4.0	88	0.00
32		Benzoic acid	40.000	42.081	-5.2	93	0.00
33		4-Chloroaniline	40.000	37.629	5.9	85	0.00
34	C	Hexachlorobutadiene	40.000	39.060	2.3	90	0.00
35		Caprolactam	40.000	37.884	5.3	89	0.00
36	C	4-Chloro-3-methylphenol	40.000	37.769	5.6	86	0.00
37		2-Methylnaphthalene	40.000	38.045	4.9	88	0.00
38		1-Methylnaphthalene	40.000	38.016	5.0	89	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	86	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	38.972	2.6	87	0.00
41	P	Hexachlorocyclopentadiene	40.000	41.981	-5.0	87	0.00
42	S	2,4,6-Tribromophenol	80.000	79.856	0.2	88	0.00
43	C	2,4,6-Trichlorophenol	40.000	39.520	1.2	85	0.00
44		2,4,5-Trichlorophenol	40.000	39.009	2.5	87	0.00
45	S	2-Fluorobiphenyl	80.000	76.930	3.8	87	0.00
46		1,1'-Biphenyl	40.000	38.721	3.2	87	0.00
47		2-Chloronaphthalene	40.000	39.130	2.2	88	0.00

Sample Results: **BF141939.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
Data File : BF141939.D
Acq On : 13 Mar 2025 12:17
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Mar 13 13:05:23 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

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	39.074	2.3	86	0.00
49		Acenaphthylene	40.000	39.005	2.5	87	0.00
50		Dimethylphthalate	40.000	38.106	4.7	87	0.00
51		2,6-Dinitrotoluene	40.000	39.096	2.3	86	0.00
52	C	Acenaphthene	40.000	39.326	1.7	88	0.00
53		3-Nitroaniline	40.000	38.530	3.7	84	0.00
54	P	2,4-Dinitrophenol	40.000	41.009	-2.5	95	0.00
55		Dibenzofuran	40.000	38.554	3.6	87	0.00
56	P	4-Nitrophenol	40.000	41.301	-3.3	87	0.00
57		2,4-Dinitrotoluene	40.000	39.193	2.0	86	0.00
58		Fluorene	40.000	38.195	4.5	87	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	39.708	0.7	88	0.00
60		Diethylphthalate	40.000	38.044	4.9	86	0.00
61		4-Chlorophenyl-phenylether	40.000	38.646	3.4	88	0.00
62		4-Nitroaniline	40.000	39.528	1.2	85	0.00
63		Azobenzene	40.000	37.888	5.3	85	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	87	0.00
65		4,6-Dinitro-2-methylphenol	40.000	41.862	-4.7	89	0.00
66	c	n-Nitrosodiphenylamine	40.000	38.576	3.6	87	0.00
67		4-Bromophenyl-phenylether	40.000	38.946	2.6	87	0.00
68		Hexachlorobenzene	40.000	39.530	1.2	87	0.00
69		Atrazine	40.000	33.164	17.1	87	0.00
70	C	Pentachlorophenol	40.000	42.480	-6.2	88	0.00
71		Phenanthrene	40.000	38.274	4.3	86	0.00
72		Anthracene	40.000	38.288	4.3	86	0.00
73		Carbazole	40.000	38.363	4.1	85	0.00
74		Di-n-butylphthalate	40.000	37.983	5.0	87	0.00
75	C	Fluoranthene	40.000	37.478	6.3	84	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	79	0.00
77		Benzidine	40.000	63.130	-57.8#	97	0.00
78		Pyrene	40.000	39.368	1.6	84	0.00
79	S	Terphenyl-d14	80.000	80.485	-0.6	84	0.00
80		Butylbenzylphthalate	40.000	38.339	4.2	78	-0.01
81		Benzo(a)anthracene	40.000	38.137	4.7	78	0.00
82		3,3'-Dichlorobenzidine	40.000	41.361	-3.4	84	0.00
83		Chrysene	40.000	39.214	2.0	81	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	36.599	8.5	75	-0.01
85	c	Di-n-octyl phthalate	40.000	37.251	6.9	76	-0.01
86	I	Perylene-d12	20.000	20.000	0.0	84	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	40.580	-1.4	86	-0.01
88		Benzo(b)fluoranthene	40.000	36.786	8.0	88	0.00
89		Benzo(k)fluoranthene	40.000	37.223	6.9	76	-0.01
90	C	Benzo(a)pyrene	40.000	38.240	4.4	83	-0.01
91		Dibenzo(a,h)anthracene	40.000	40.945	-2.4	86	-0.02
92		Benzo(g,h,i)perylene	40.000	41.473	-3.7	86	-0.01

Sample Results: **BF141939.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
Data File : BF141939.D
Acq On : 13 Mar 2025 12:17
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Mar 13 13:05:23 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

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

QC SAMPLE DATA

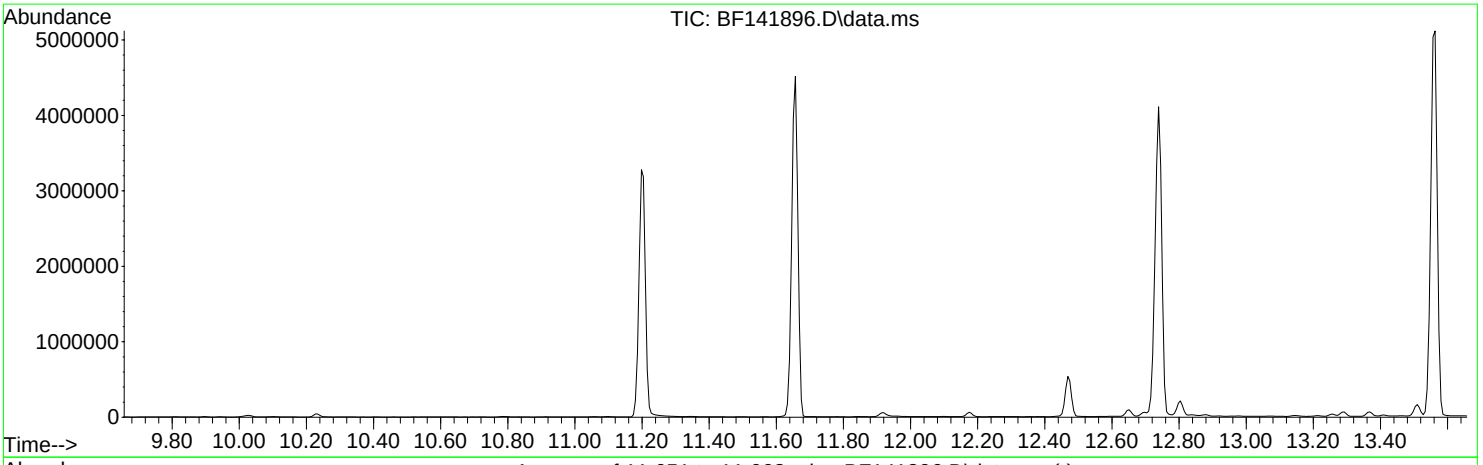
Sample Results: **BF141896.D**

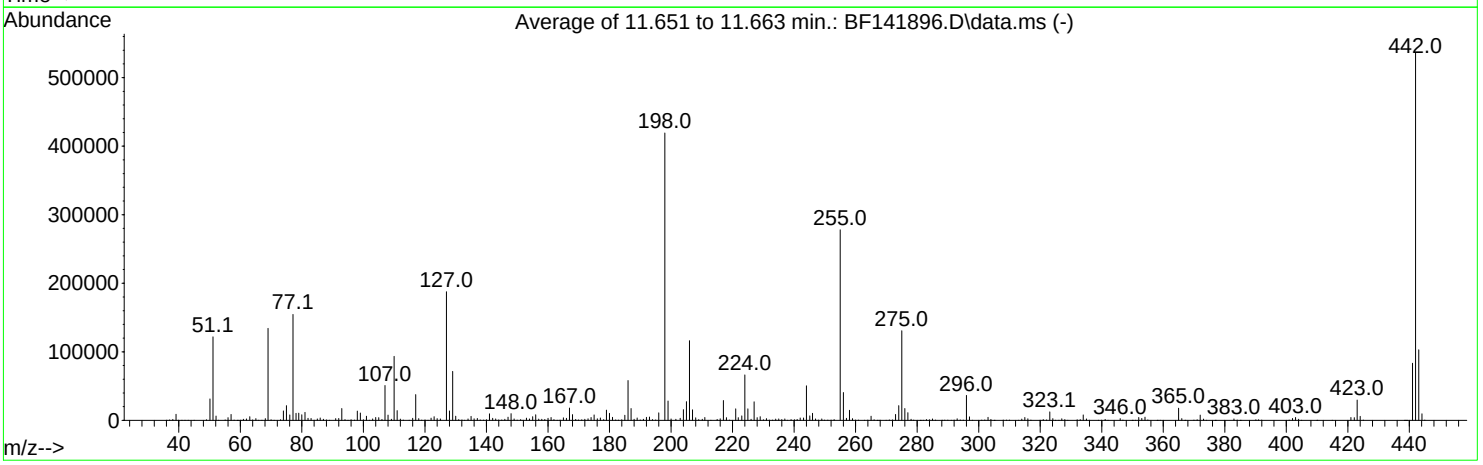
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141896.D
Acq On : 10 Mar 2025 10:31
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

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





AutoFind: Scans 1625, 1626, 1627; Background Corrected with Scan 1617

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	29.1	121957	PASS
68	69	0.00	2	1.9	2599	PASS
69	198	0.00	100	32.0	134239	PASS
70	69	0.00	2	0.7	949	PASS
127	198	10	80	44.8	187627	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	419221	PASS
199	198	5	9	6.7	28280	PASS
275	198	10	60	31.2	130819	PASS
365	198	1	100	4.2	17803	PASS
441	198	0.01	100	19.9	83389	PASS
442	442	50	100	100.0	536640	PASS
443	442	15	24	19.2	102888	PASS

DDT Breakdown

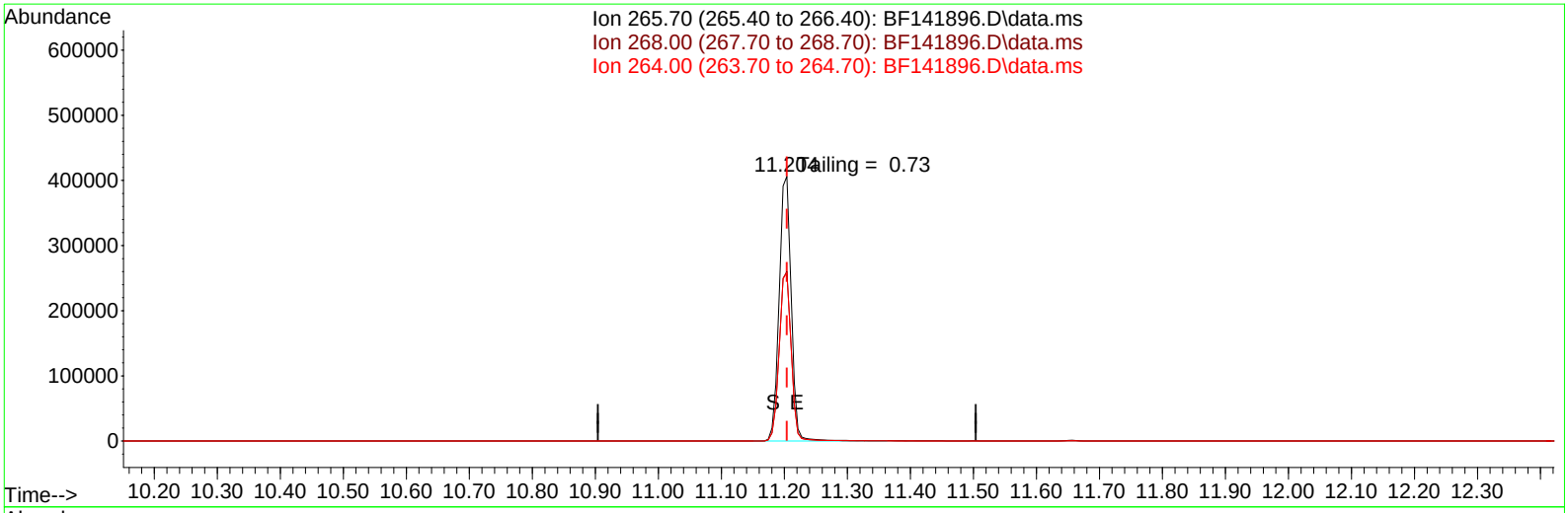
Date	Instrument Name	DFTPP Data File
3/10/2025	BNA_F	BF141896.D
Compound Name	**Response**	**Retention Time**
DDT	1358235	13.562
DDD	20094	13.292
DDE	930	12.921
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
21024	1379259	1.52

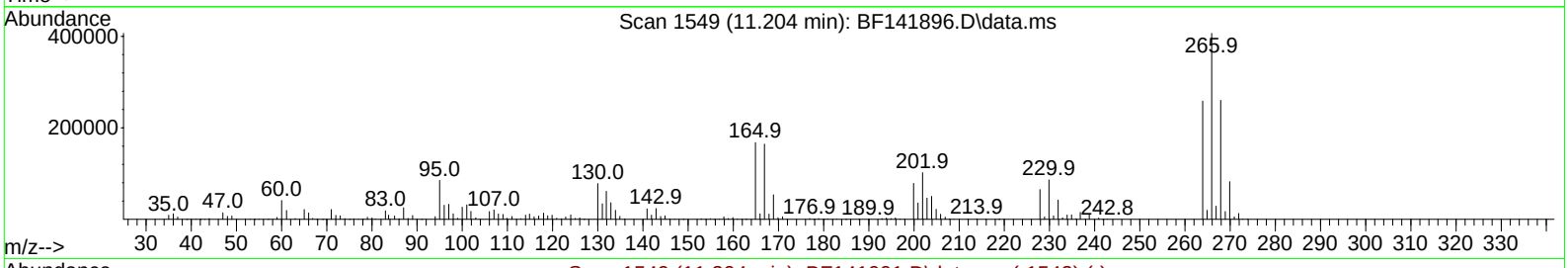
Instrument :
BNA_F
ClientSampleId :
DFTPP

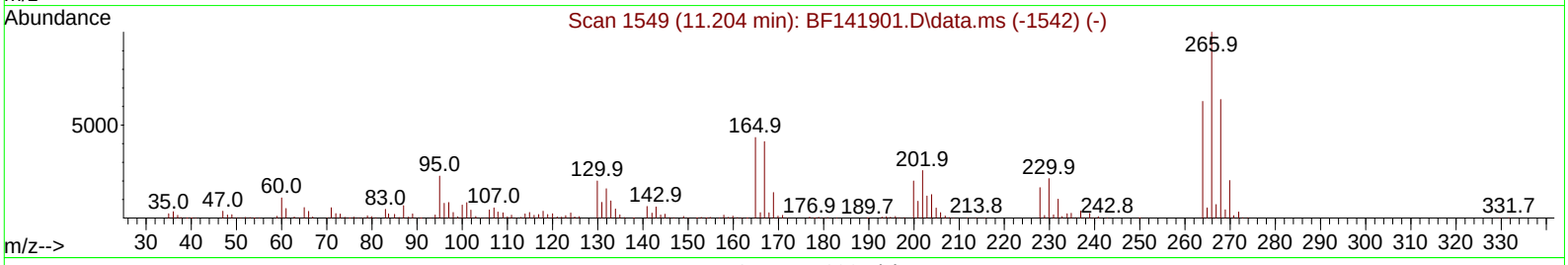
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141896.D
Acq On : 10 Mar 2025 10:31
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Mar 10 16:16:58 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







TIC: BF141896.D\data.ms

(70) Pentachlorophenol (C)

11.204min (-0.000) 118650.09 ng

response 544757

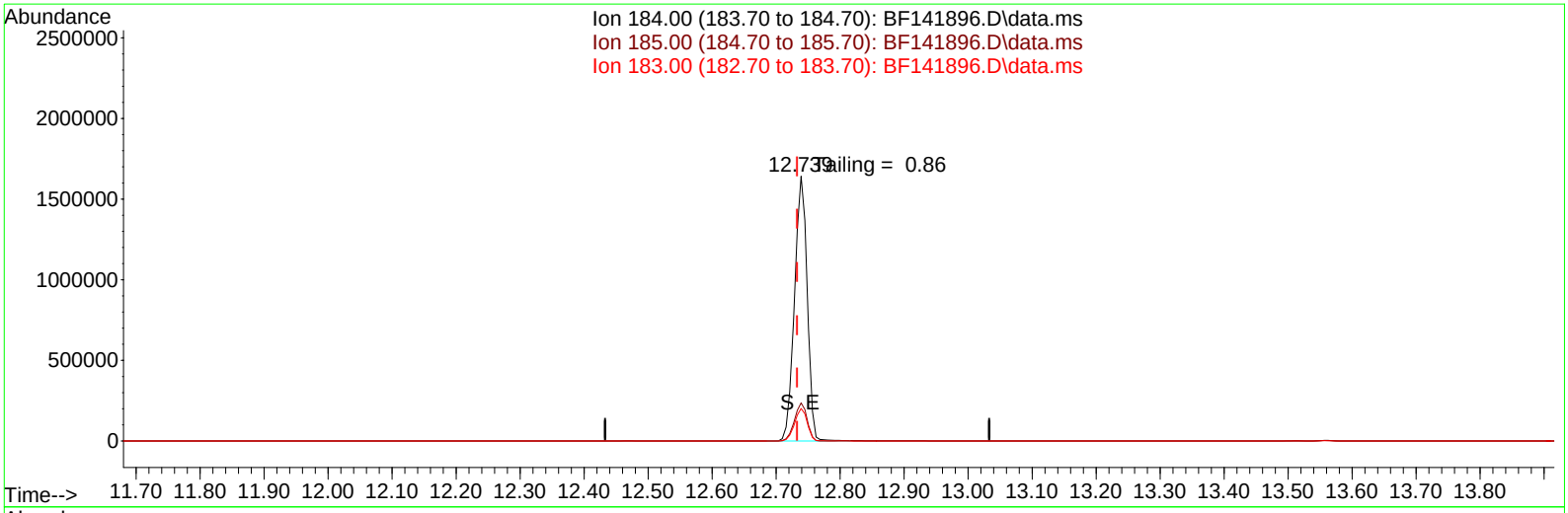
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.80	64.05
264.00	62.70	63.55
0.00	0.00	0.00

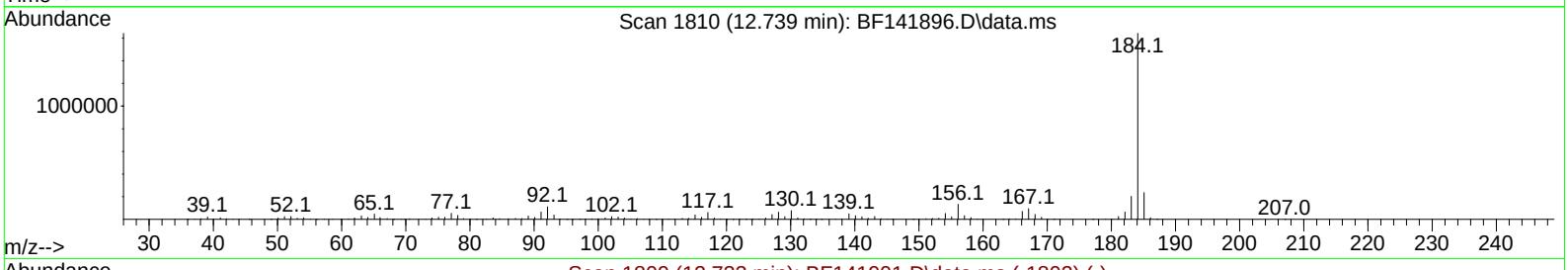
Sample Results: **BF141896.D**

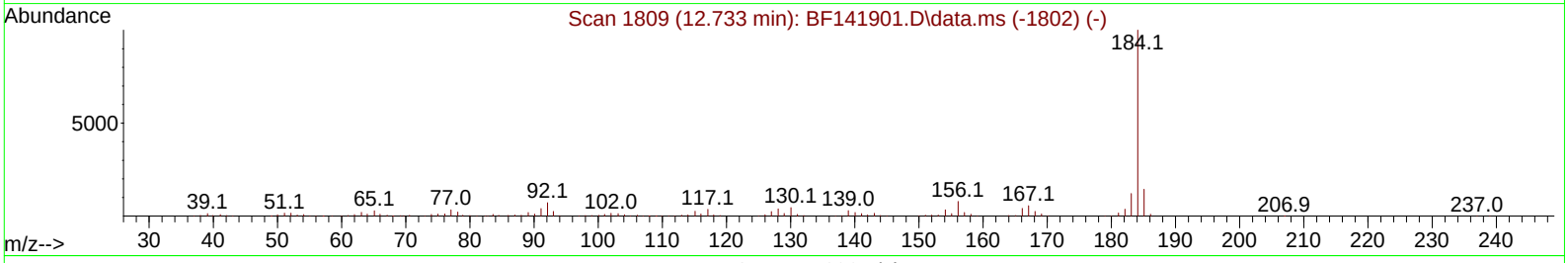
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141896.D
Acq On : 10 Mar 2025 10:31
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Mar 10 16:16:58 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







TIC: BF141896.D\data.ms

(77) Benzidine

12.739min (+ 0.006) 203796.44 ng

response 2274676

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	14.38
183.00	12.10	12.32
0.00	0.00	0.00

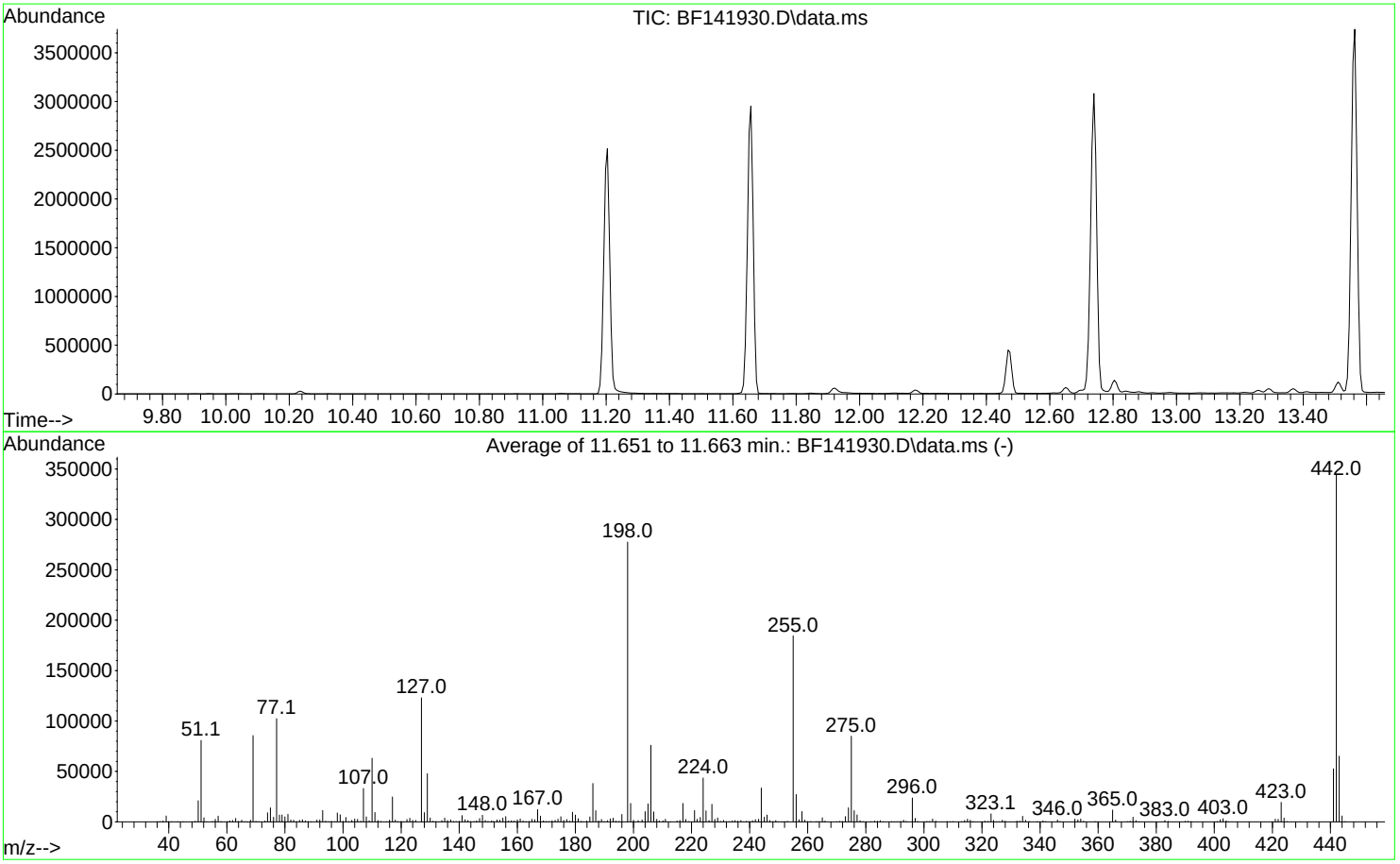
Sample Results: **BF141930.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031225\
Data File : BF141930.D
Acq On : 12 Mar 2025 09:38
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

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



AutoFind: Scans 1625, 1626, 1627; Background Corrected with Scan 1618

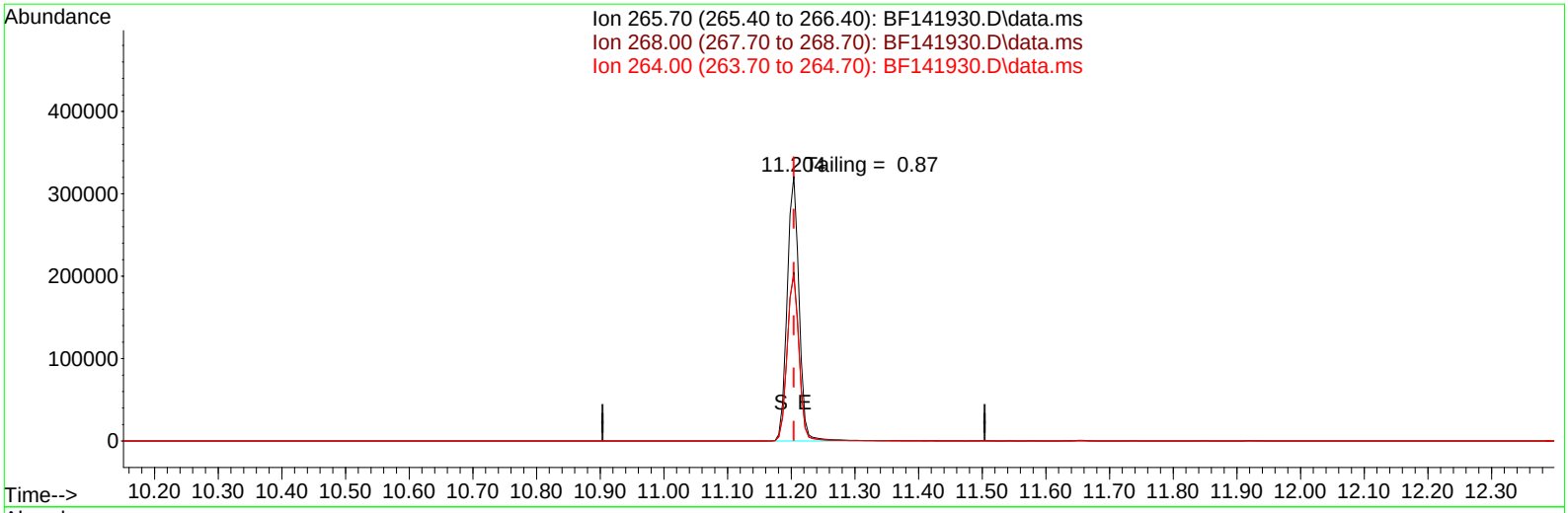
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	29.1	80832	PASS
68	69	0.00	2	2.0	1697	PASS
69	198	0.00	100	30.8	85598	PASS
70	69	0.00	2	0.8	654	PASS
127	198	10	80	44.4	123117	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	277568	PASS
199	198	5	9	6.6	18257	PASS
275	198	10	60	30.6	84933	PASS
365	198	1	100	4.2	11734	PASS
441	198	0.01	100	18.9	52571	PASS
442	442	50	100	100.0	344533	PASS
443	442	15	24	18.9	65261	PASS

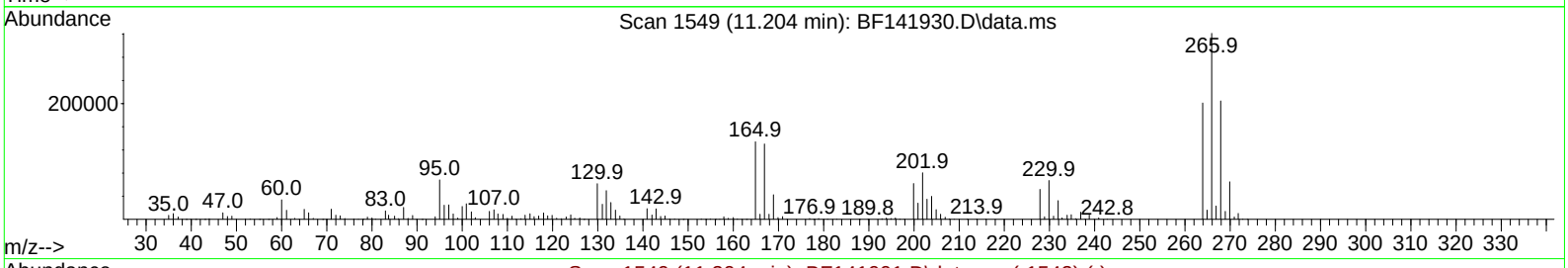
Sample Results: **BF141930.D**

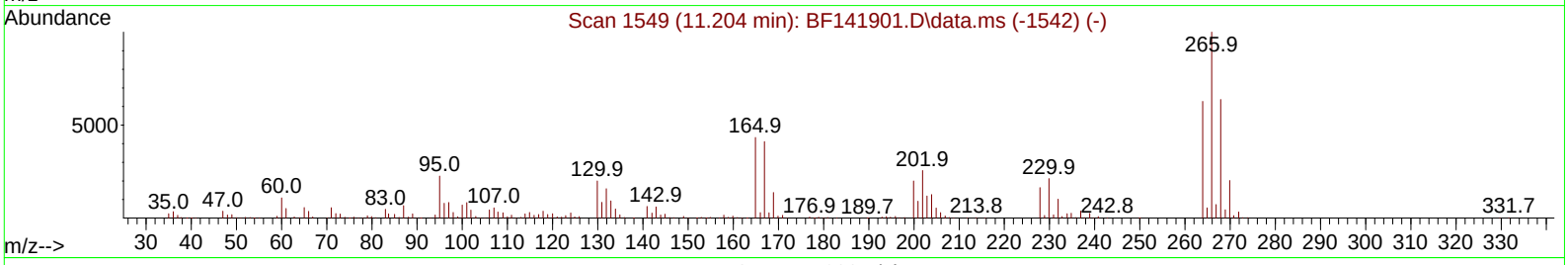
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031225\
Data File : BF141930.D
Acq On : 12 Mar 2025 09:38
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Mar 12 12:20:43 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







TIC: BF141930.D\data.ms

(70) Pentachlorophenol (C)

11.204min (+ 0.000) 52450.63 ng

response 420204

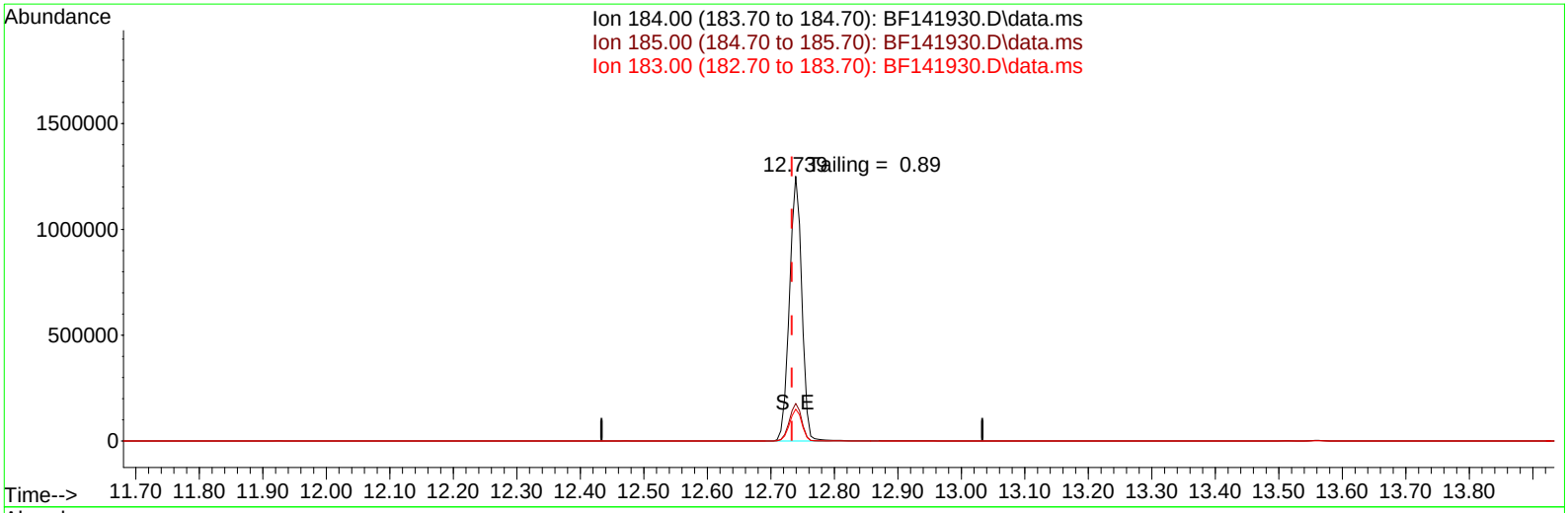
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.80	63.69
264.00	62.70	62.58
0.00	0.00	0.00

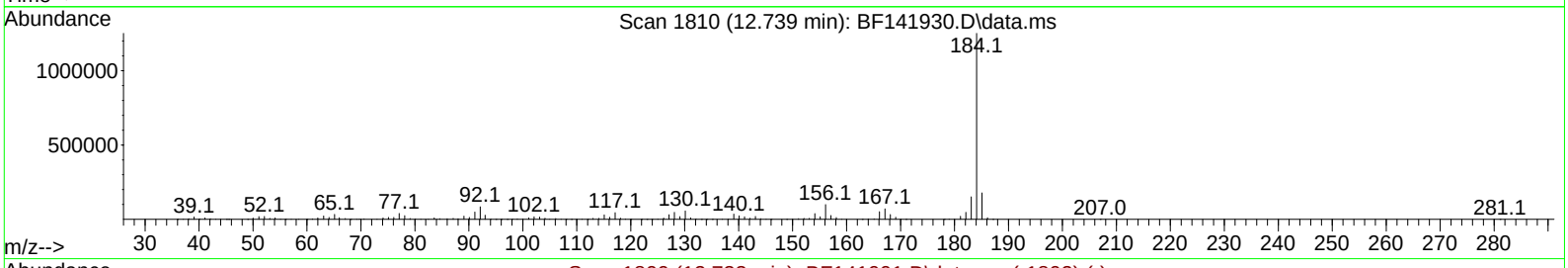
Sample Results: **BF141930.D**

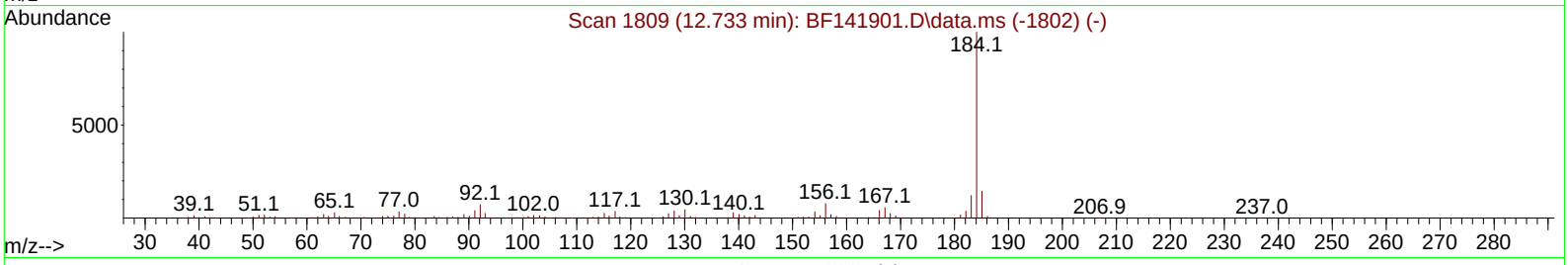
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031225\
Data File : BF141930.D
Acq On : 12 Mar 2025 09:38
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Mar 12 12:20:43 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







TIC: BF141930.D\data.ms

(77) Benzidine

12.739min (+ 0.006) 143344.46 ng

response 1699937

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	14.21
183.00	12.10	12.08
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
3/12/2025	BNA_F	BF141930.D
Compound Name	**Response**	**Retention Time**
DDT	971282	13.563
DDD	17643	13.292
DDE	640	12.927
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
18283	989565	1.85

Instrument :
BNA_F
ClientSampleId :
DFTPP

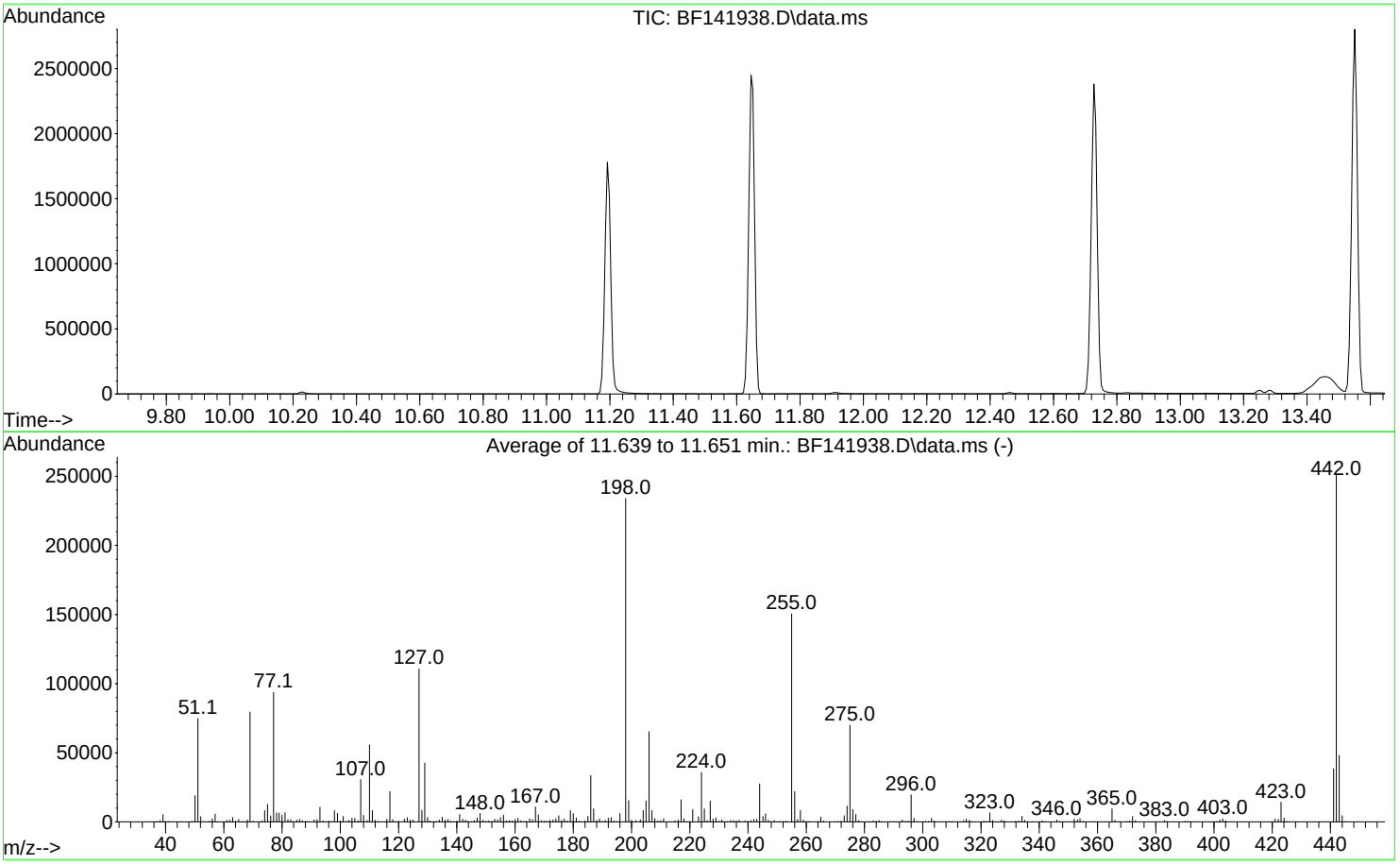
Sample Results: **BF141938.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
Data File : BF141938.D
Acq On : 13 Mar 2025 11:48
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

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



AutoFind: Scans 1623, 1624, 1625; Background Corrected with Scan 1617

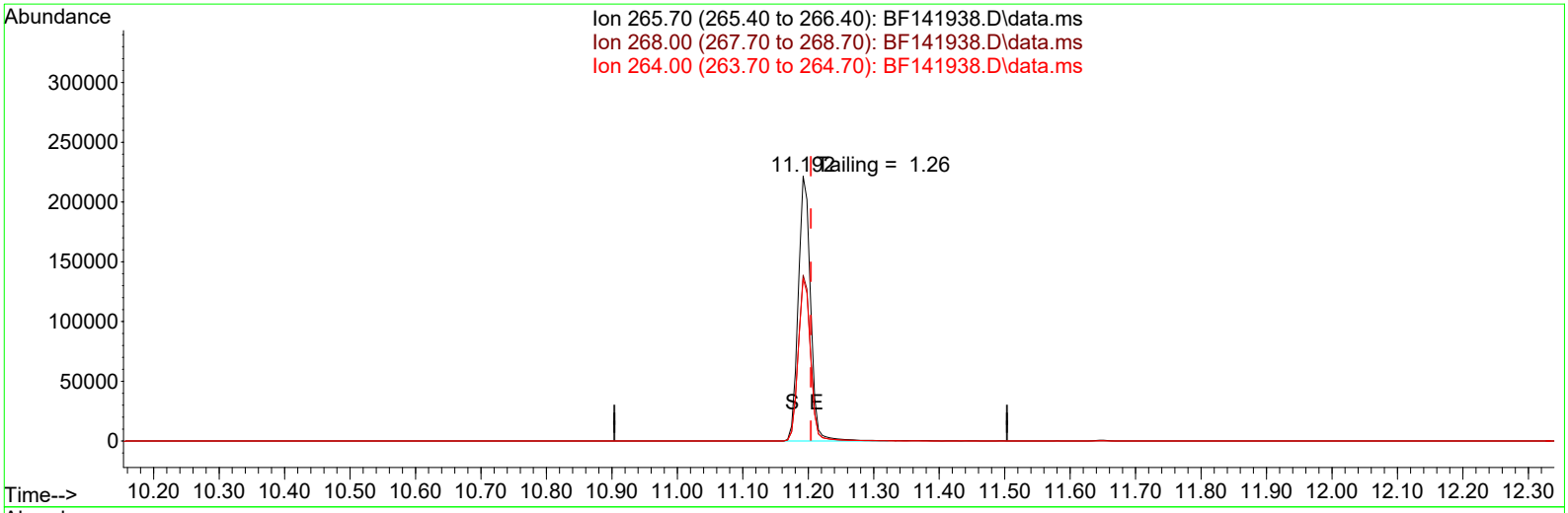
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	32.0	74819	PASS
68	69	0.00	2	1.8	1404	PASS
69	198	0.00	100	34.0	79429	PASS
70	69	0.00	2	0.6	451	PASS
127	198	10	80	47.3	110651	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	233877	PASS
199	198	5	9	6.6	15462	PASS
275	198	10	60	29.9	69864	PASS
365	198	1	100	4.1	9507	PASS
441	198	0.01	100	16.4	38323	PASS
442	442	50	100	100.0	251264	PASS
443	442	15	24	19.1	48053	PASS

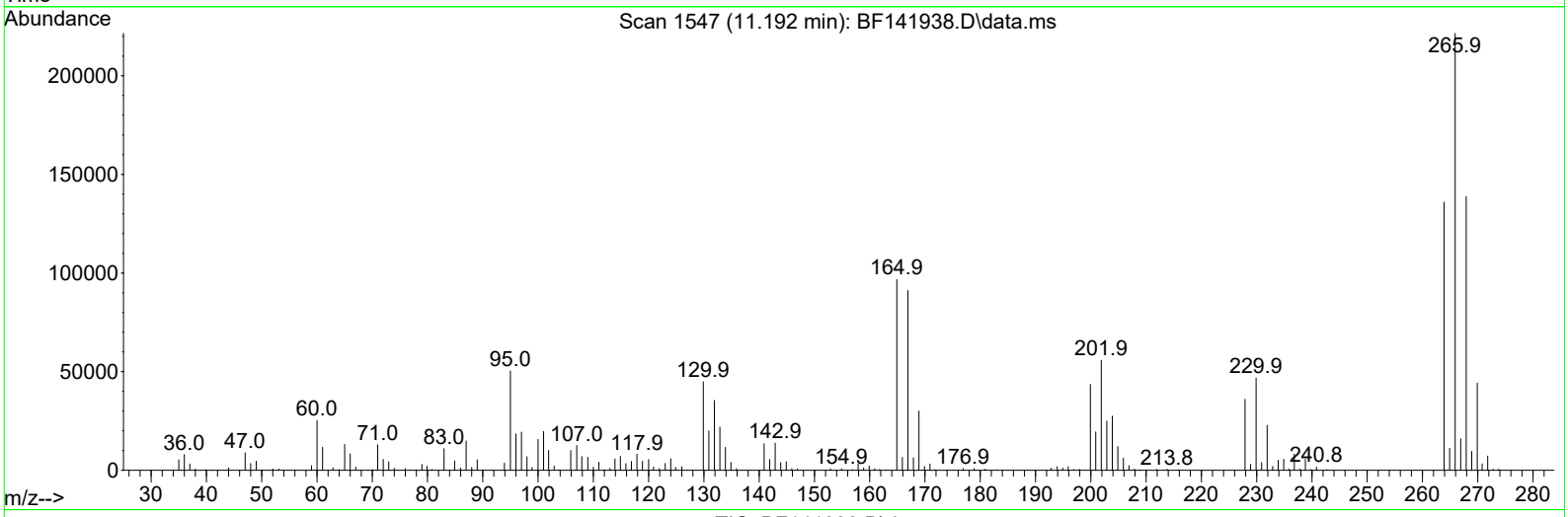
Sample Results: **BF141938.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
Data File : BF141938.D
Acq On : 13 Mar 2025 11:48
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Mar 13 13:04:54 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





TIC: BF141938.D\data.ms

(70) Pentachlorophenol (C)

11.192min (-0.012) 133427.78 ng

response 291016

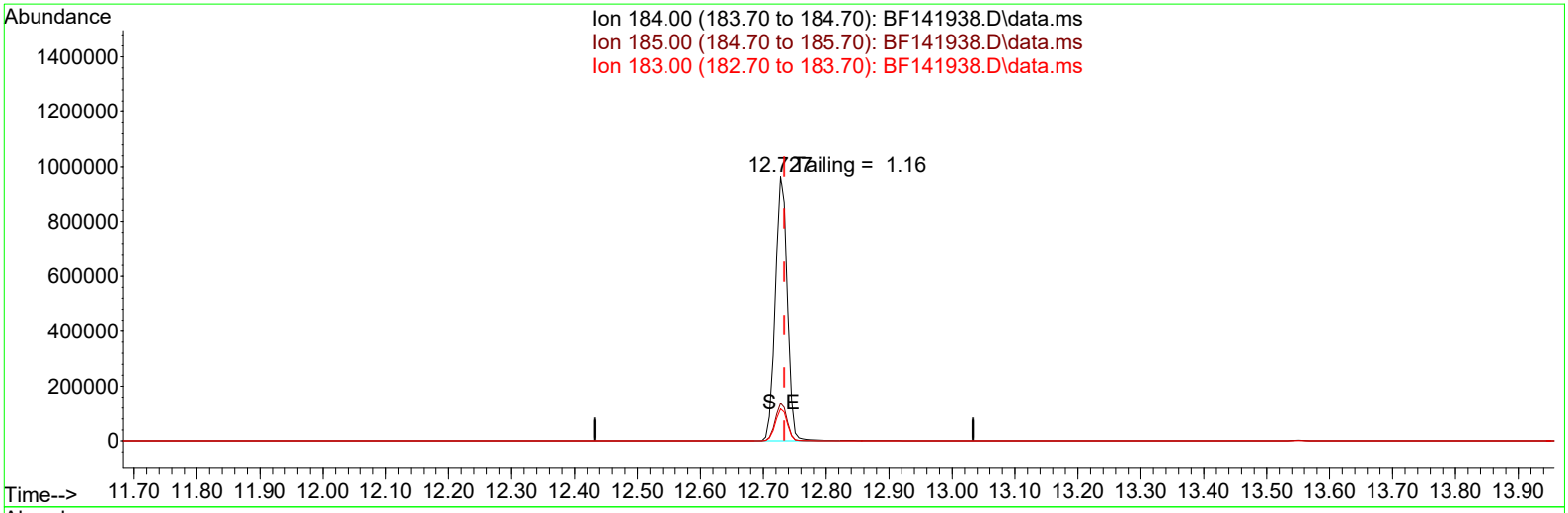
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.80	62.65
264.00	62.70	61.35
0.00	0.00	0.00

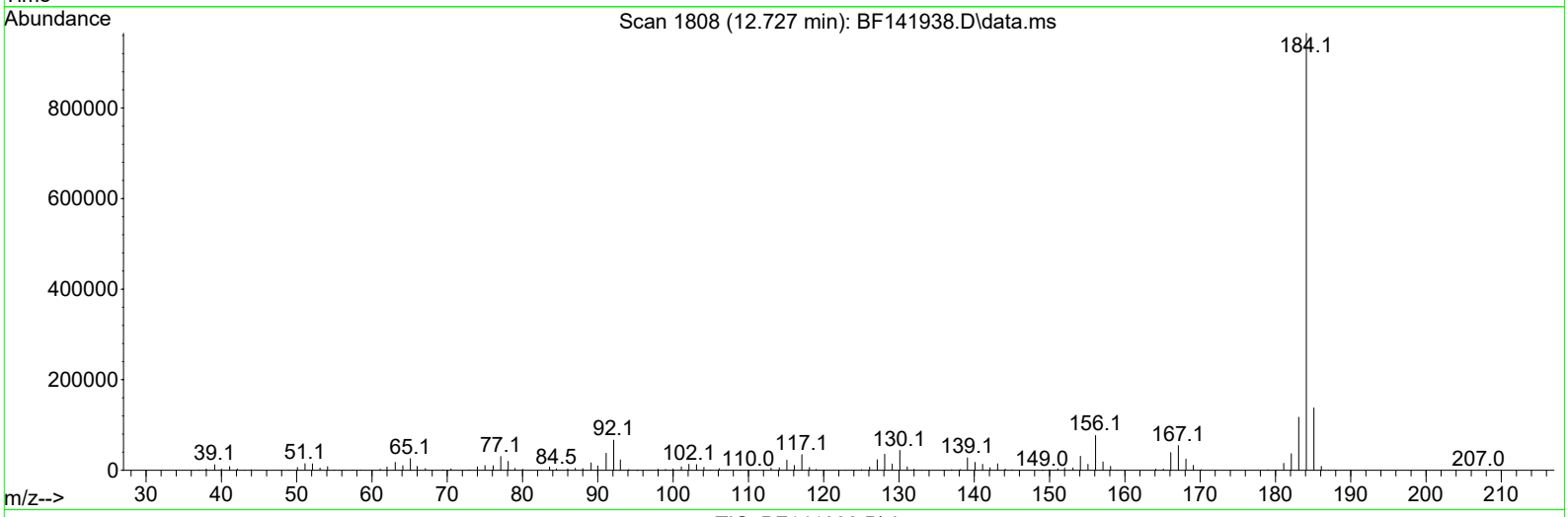
Sample Results: **BF141938.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
Data File : BF141938.D
Acq On : 13 Mar 2025 11:48
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Mar 13 13:04:54 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





TIC: BF141938.D\data.ms

(77) Benzidine

12.727min (-0.006) 527010.30 ng

response 1286738

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	14.29
183.00	12.10	12.13
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
3/13/2025	BNA_F	BF141938.D
Compound Name	**Response**	**Retention Time**
DDT	695260	13.551
DDD	12936	13.251
DDE	425	12.916
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
13361	708621	1.89

Instrument :
BNA_F
ClientSampleId :
DFTPP

Raw Data: **BF141940.D**

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

Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	
Client Sample ID:	PB167097BL	SDG No.:	Q1522
Lab Sample ID:	PB167097BL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group4
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141940.D	1	03/12/25 08:45	03/13/25 12:47	PB167097

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
108-95-2	Phenol	0.91	U	0.91	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.53	U	0.53	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.54	U	0.54	5.00	ug/L
91-20-3	Naphthalene	0.50	U	0.50	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	134		15 (10) - 110 (139)	90%	SPK: 150
13127-88-3	Phenol-d6	130		15 (10) - 110 (134)	86%	SPK: 150
4165-60-0	Nitrobenzene-d5	93.3		30 (49) - 130 (133)	93%	SPK: 100
321-60-8	2-Fluorobiphenyl	90.0		30 (52) - 130 (132)	90%	SPK: 100
118-79-6	2,4,6-Tribromophenol	154		15 (44) - 110 (137)	102%	SPK: 150
1718-51-0	Terphenyl-d14	87.3		30 (48) - 130 (125)	87%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	177000	6.875			
1146-65-2	Naphthalene-d8	706000	8.157			
15067-26-2	Acenaphthene-d10	408000	9.91			
1517-22-2	Phenanthrene-d10	770000	11.392			
1719-03-5	Chrysene-d12	602000	14.027			
1520-96-3	Perylene-d12	427000	15.498			

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

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
Data File : BF141940.D
Acq On : 13 Mar 2025 12:47
Operator : RC/JU
Sample : PB167097BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB167097BL

Quant Time: Mar 13 13:06:16 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

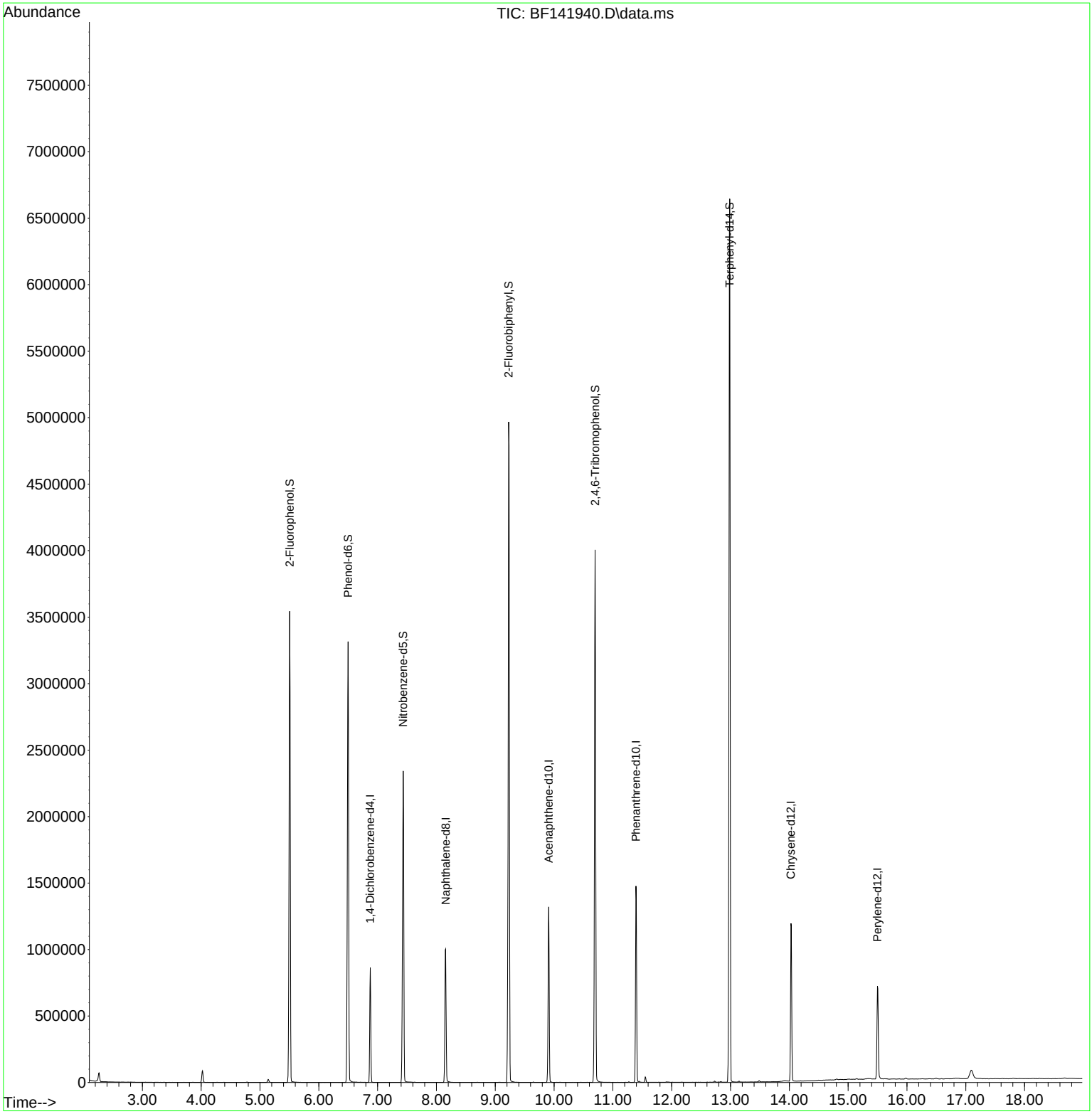
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	176773	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	705846	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	407739	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	769835	20.000	ng	-0.01
76) Chrysene-d12	14.027	240	601564	20.000	ng	-0.01
86) Perylene-d12	15.498	264	427331	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	1423729	134.418	ng	0.01
7) Phenol-d6	6.498	99	1748591	129.663	ng	0.00
23) Nitrobenzene-d5	7.434	82	1170774	93.344	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	794330	153.562	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	2412754	89.992	ng	-0.01
79) Terphenyl-d14	12.986	244	3551821	87.293	ng	0.00
Target Compounds						Qvalue

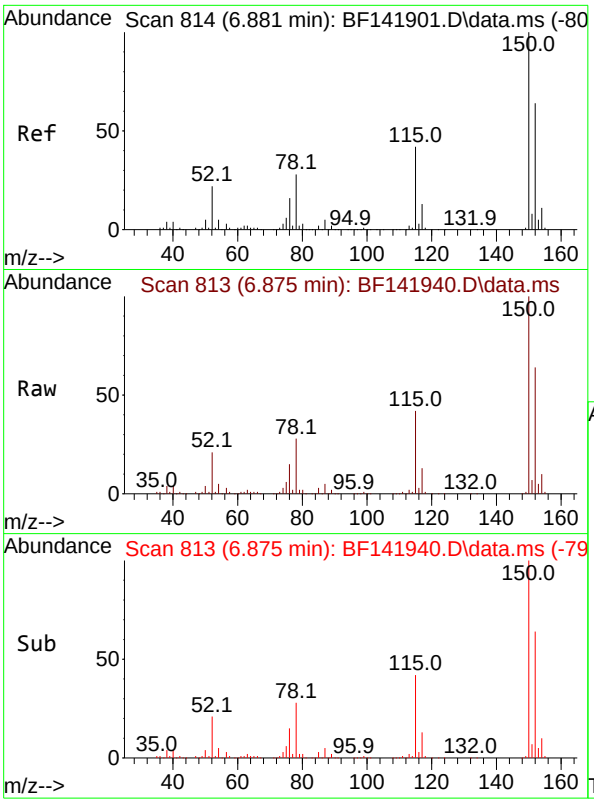
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
Data File : BF141940.D
Acq On : 13 Mar 2025 12:47
Operator : RC/JU
Sample : PB167097BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB167097BL

Quant Time: Mar 13 13:06:16 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



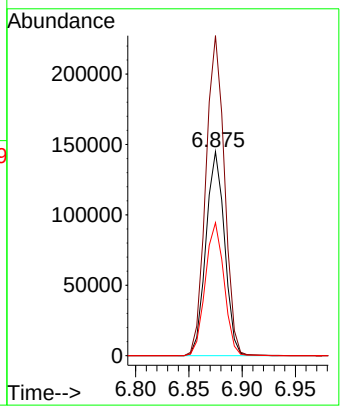


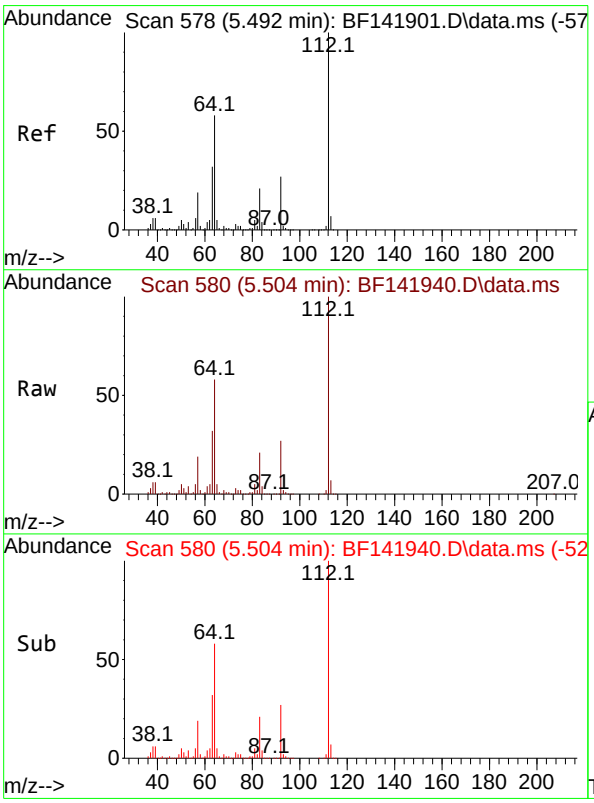
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141940.D
Acq: 13 Mar 2025 12:47

Instrument :
BNA_F
ClientSampleId :
PB167097BL

Tgt Ion:152 Resp: 176773

Ion	Ratio	Lower	Upper
152	100		
150	156.9	127.4	191.2
115	65.2	51.9	77.9

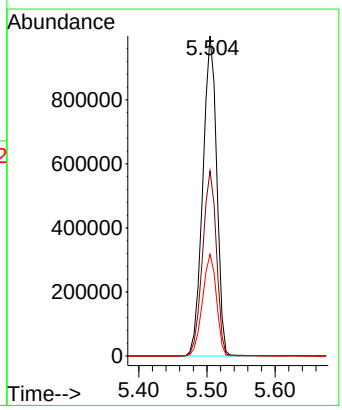


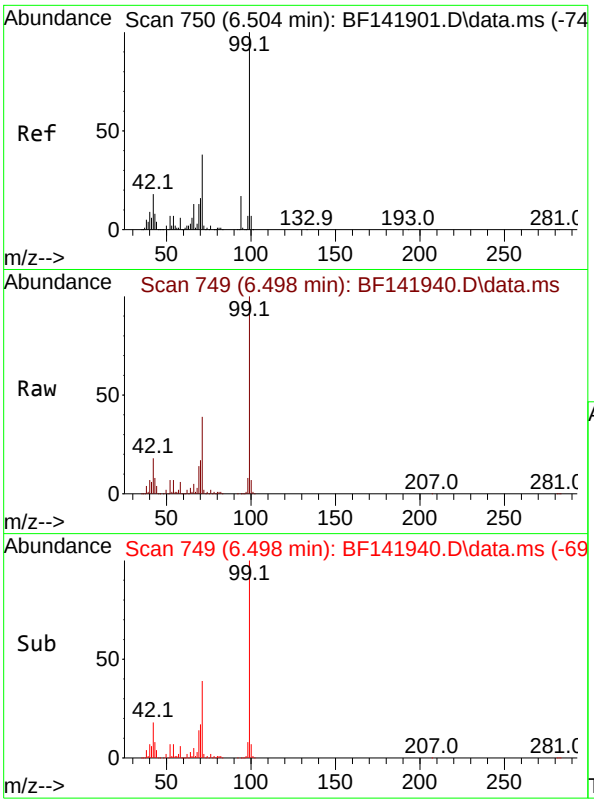


#5
2-Fluorophenol
Concen: 134.418 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.012 min
Lab File: BF141940.D
Acq: 13 Mar 2025 12:47

Tgt Ion:112 Resp: 1423729

Ion	Ratio	Lower	Upper
112	100		
64	57.8	46.5	69.7
63	31.8	25.4	38.2



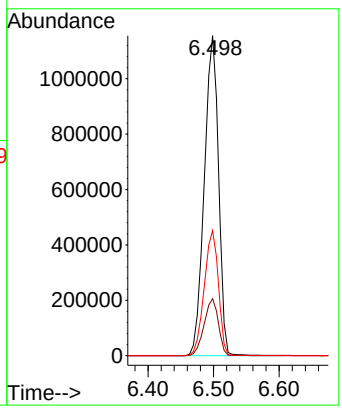


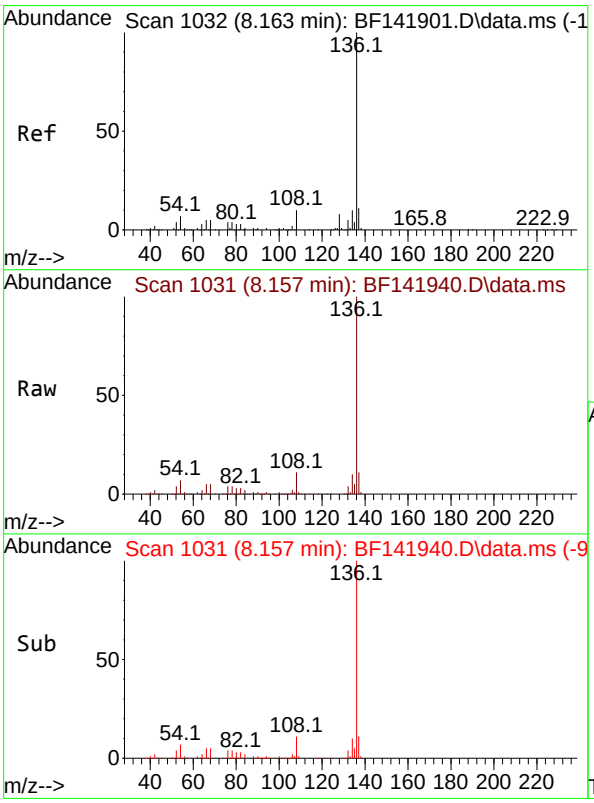
#7
Phenol-d6
Concen: 129.663 ng
RT: 6.498 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141940.D
Acq: 13 Mar 2025 12:47

Instrument :
BNA_F
ClientSampleId :
PB167097BL

Tgt Ion: 99 Resp: 1748591

Ion	Ratio	Lower	Upper
99	100		
42	17.8	14.6	21.8
71	39.1	30.8	46.2

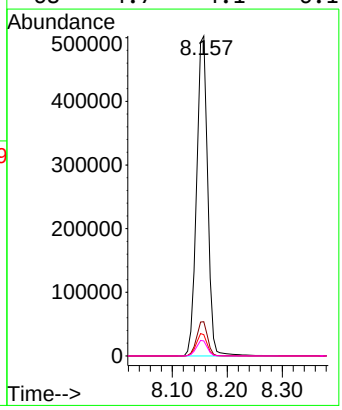


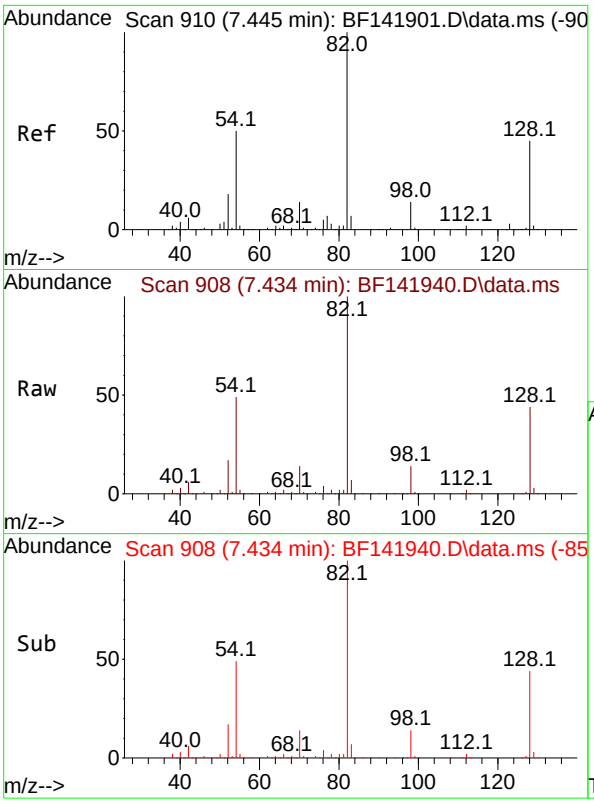


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF141940.D
Acq: 13 Mar 2025 12:47

Tgt Ion:136 Resp: 705846

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	6.7	5.8	8.8
68	4.7	4.1	6.1



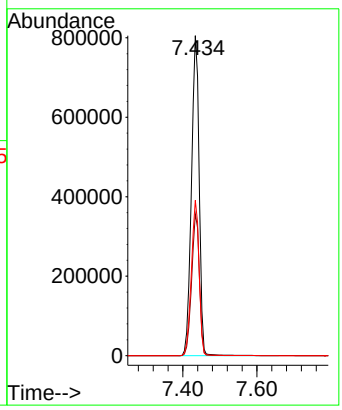


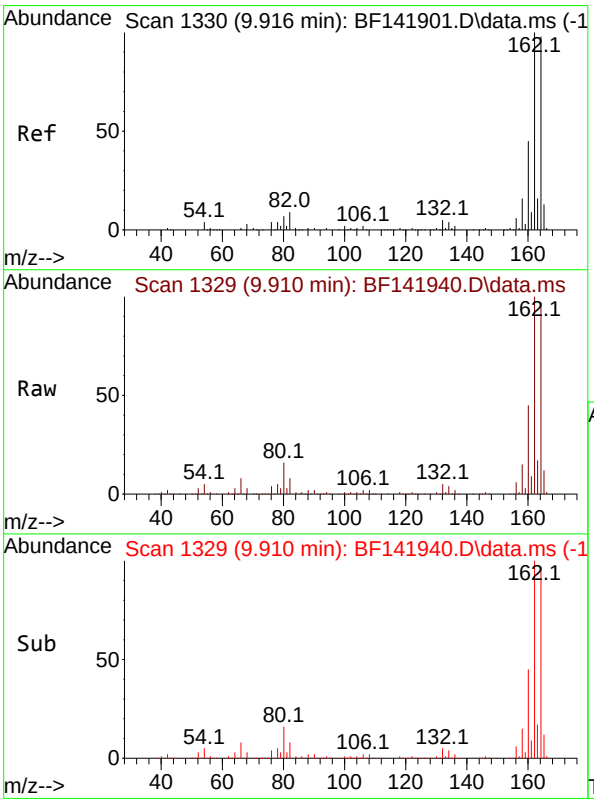
#23
Nitrobenzene-d5
Concen: 93.344 ng
RT: 7.434 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF141940.D
Acq: 13 Mar 2025 12:47

Instrument :
BNA_F
ClientSampleId :
PB167097BL

Tgt Ion: 82 Resp: 1170774

Ion	Ratio	Lower	Upper
82	100		
128	44.3	36.0	54.0
54	48.6	39.6	59.4

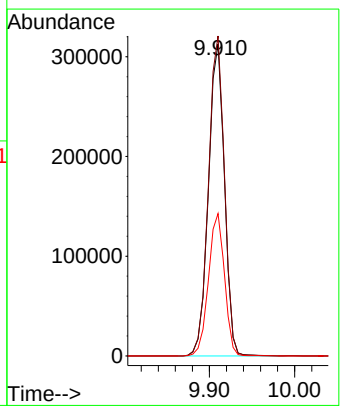


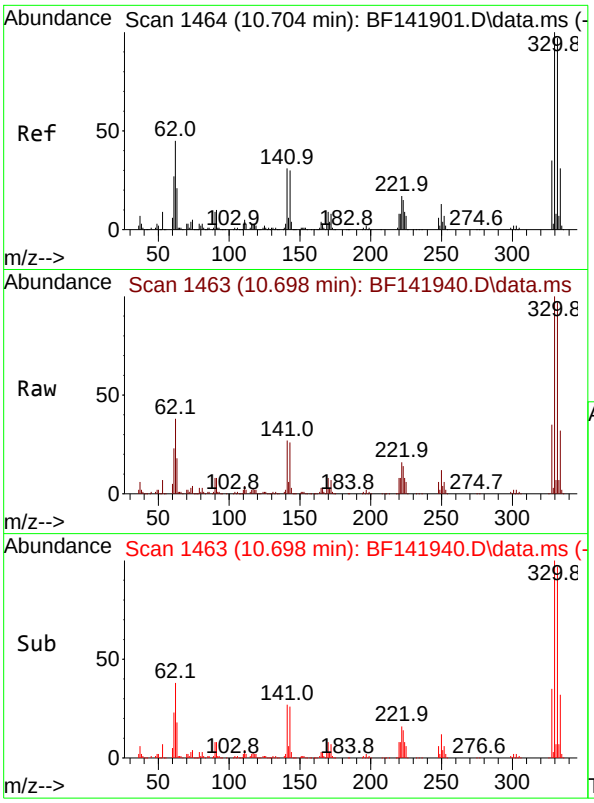


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF141940.D
Acq: 13 Mar 2025 12:47

Tgt Ion:164 Resp: 407739

Ion	Ratio	Lower	Upper
164	100		
162	102.6	81.8	122.6
160	45.7	36.7	55.1



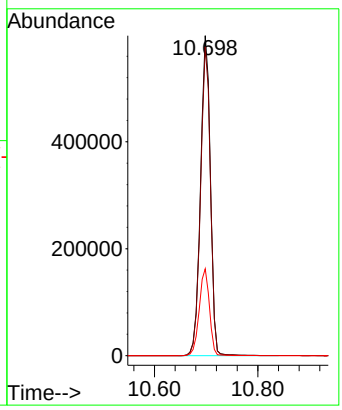


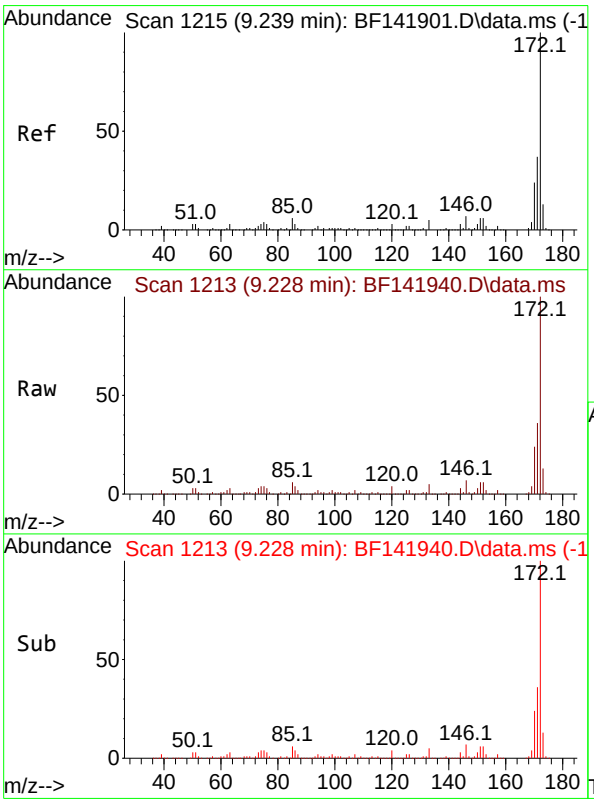
#42
2,4,6-Tribromophenol
Concen: 153.562 ng
RT: 10.698 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141940.D
Acq: 13 Mar 2025 12:47

Instrument :
BNA_F
ClientSampleId :
PB167097BL

Tgt Ion:330 Resp: 794330

Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.6	116.4
141	28.1	24.7	37.1

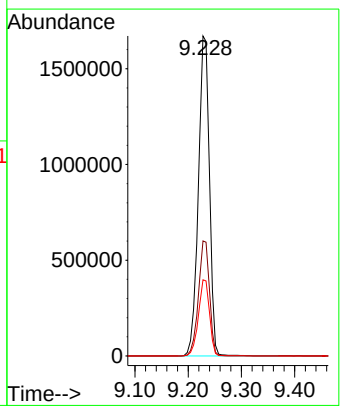


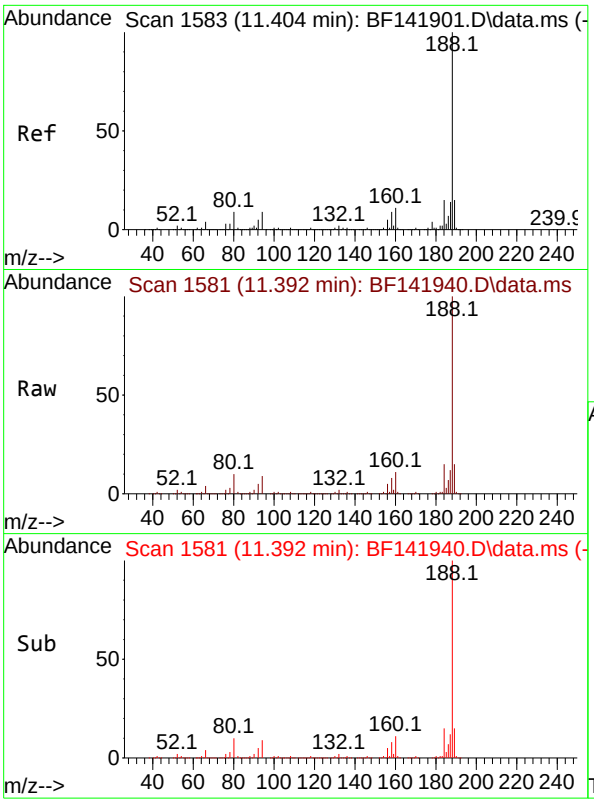


#45
2-Fluorobiphenyl
Concen: 89.992 ng
RT: 9.228 min Scan# 1213
Delta R.T. -0.012 min
Lab File: BF141940.D
Acq: 13 Mar 2025 12:47

Tgt Ion:172 Resp: 2412754

Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.3	43.9
170	23.8	19.4	29.0



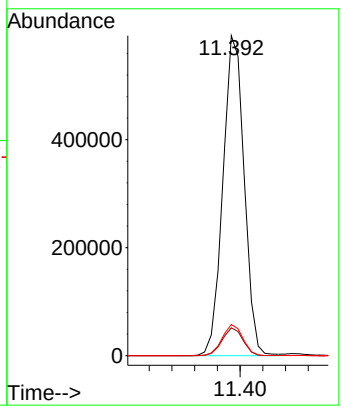


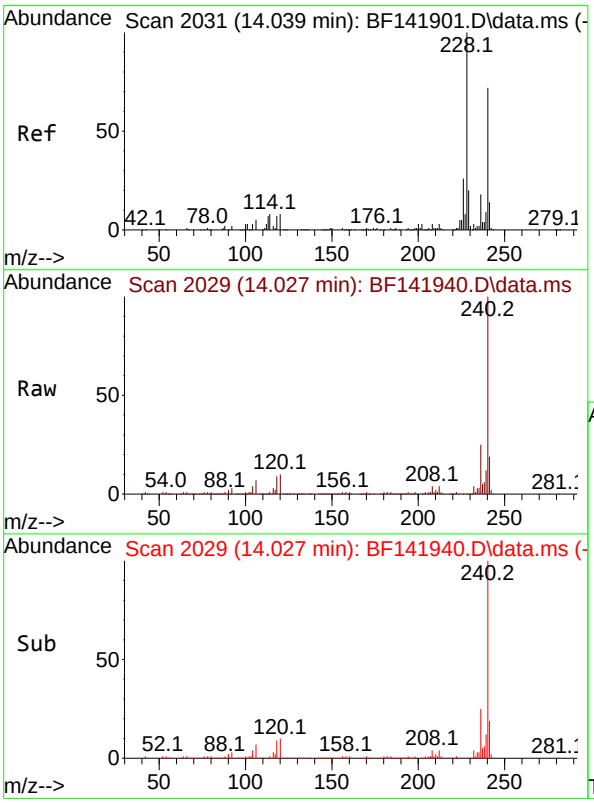
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141940.D
Acq: 13 Mar 2025 12:47

Instrument :
BNA_F
ClientSampleId :
PB167097BL

Tgt Ion:188 Resp: 769835

Ion	Ratio	Lower	Upper
188	100		
94	8.7	6.8	10.2
80	9.8	7.6	11.4

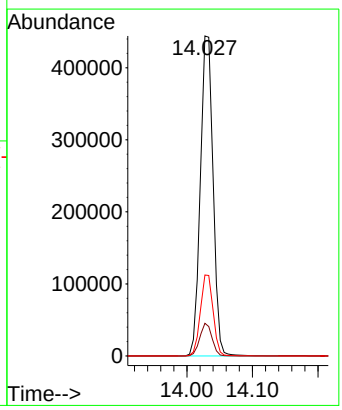


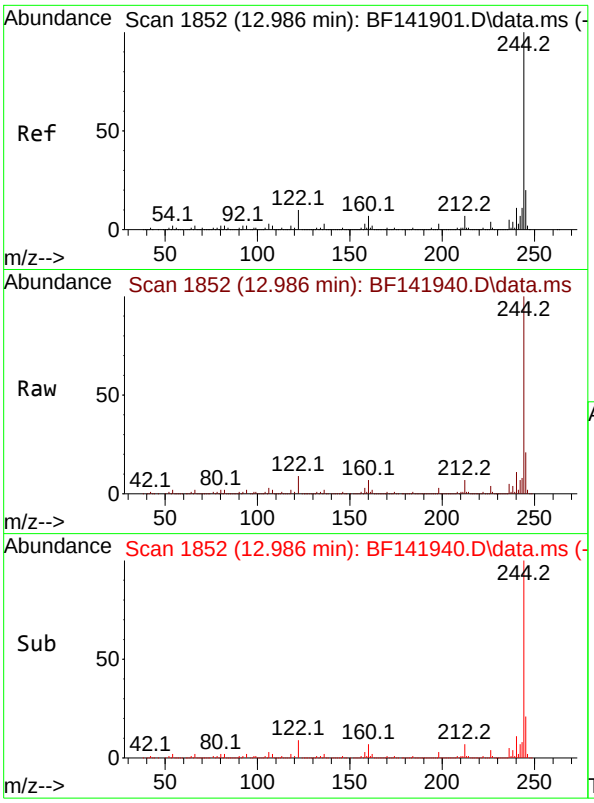


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2029
Delta R.T. -0.012 min
Lab File: BF141940.D
Acq: 13 Mar 2025 12:47

Tgt Ion:240 Resp: 601564

Ion	Ratio	Lower	Upper
240	100		
120	10.2	8.4	12.6
236	25.3	20.5	30.7



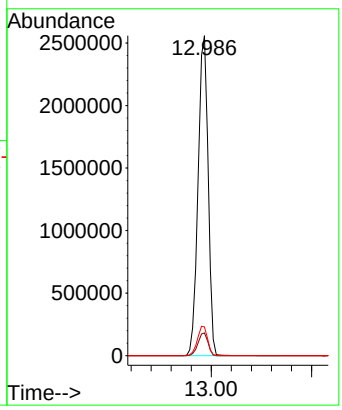


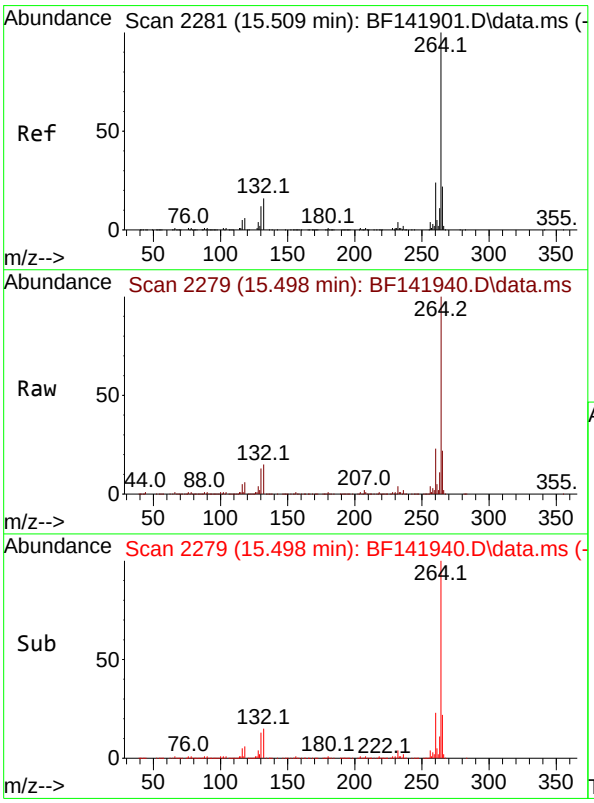
#79
Terphenyl-d14
Concen: 87.293 ng
RT: 12.986 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141940.D
Acq: 13 Mar 2025 12:47

Instrument :
BNA_F
ClientSampleId :
PB167097BL

Tgt Ion:244 Resp: 3551821

Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.0	9.0
122	9.0	7.7	11.5

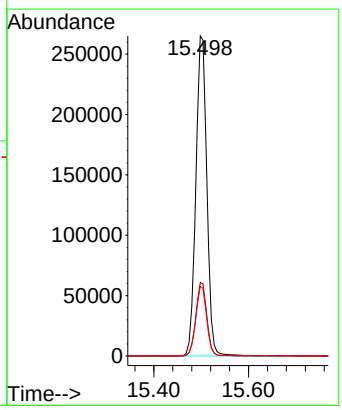




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.498 min Scan# 2279
Delta R.T. -0.012 min
Lab File: BF141940.D
Acq: 13 Mar 2025 12:47

Tgt Ion:264 Resp: 427331

Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.1	28.7
265	21.7	17.5	26.3



Raw Data: **BF141941.D**

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

Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	
Client Sample ID:	PB167097BS	SDG No.:	Q1522
Lab Sample ID:	PB167097BS	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group4
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141941.D	1	03/12/25 08:45	03/13/25 13:17	PB167097

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
108-95-2	Phenol	45.8		0.91	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	45.8		0.53	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	45.0		0.54	5.00	ug/L
91-20-3	Naphthalene	44.4		0.50	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	140		15 (10) - 110 (139)	93%	SPK: 150
13127-88-3	Phenol-d6	137		15 (10) - 110 (134)	91%	SPK: 150
4165-60-0	Nitrobenzene-d5	98.6		30 (49) - 130 (133)	99%	SPK: 100
321-60-8	2-Fluorobiphenyl	97.8		30 (52) - 130 (132)	98%	SPK: 100
118-79-6	2,4,6-Tribromophenol	160		15 (44) - 110 (137)	107%	SPK: 150
1718-51-0	Terphenyl-d14	105		30 (48) - 130 (125)	105%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	168000	6.875			
1146-65-2	Naphthalene-d8	667000	8.157			
15067-26-2	Acenaphthene-d10	381000	9.916			
1517-22-2	Phenanthrene-d10	657000	11.398			
1719-03-5	Chrysene-d12	424000	14.039			
1520-96-3	Perylene-d12	371000	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

Sample Results: **BF141941.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
Data File : BF141941.D
Acq On : 13 Mar 2025 13:17
Operator : RC/JU
Sample : PB167097BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 13 13:42:14 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 :
PB167097BS

Manual Integrations APPROVED

Reviewed By :Anahy Claudio
03/14/2025
Supervised By :Jagrut Upadhyay
03/14/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.875	152	167779	20.000	ng		0.00
21) Naphthalene-d8	8.157	136	666660	20.000	ng		0.00
39) Acenaphthene-d10	9.916	164	381133	20.000	ng		0.00
64) Phenanthrene-d10	11.398	188	657343	20.000	ng		0.00
76) Chrysene-d12	14.039	240	424407	20.000	ng		0.00
86) Perylene-d12	15.504	264	370791	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.510	112	1406671	139.927	ng		0.02
7) Phenol-d6	6.504	99	1754393	137.067	ng		0.00
23) Nitrobenzene-d5	7.439	82	1168111	98.606	ng		0.00
42) 2,4,6-Tribromophenol	10.704	330	773860	160.048	ng		0.00
45) 2-Fluorobiphenyl	9.233	172	2451144	97.806	ng		0.00
79) Terphenyl-d14	12.986	244	3018229	105.142	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.787	88	183786	43.632	ng		99
3) Pyridine	3.534	79	435363	42.136	ng		100
4) n-Nitrosodimethylamine	3.481	42	219416	44.549	ng		97
6) Aniline	6.539	93	455935	36.109	ng		99
8) 2-Chlorophenol	6.663	128	522369	46.852	ng		99
9) Benzaldehyde	6.428	77	161518	22.563	ng		99
10) Phenol	6.516	94	616143	45.757	ng		96
11) bis(2-Chloroethyl)ether	6.616	93	460406	45.535	ng		98
12) 1,3-Dichlorobenzene	6.816	146	549049	45.613	ng		100
13) 1,4-Dichlorobenzene	6.892	146	558151	45.829	ng		99
14) 1,2-Dichlorobenzene	7.045	146	535333	46.667	ng		99
15) Benzyl Alcohol	7.016	79	464922	44.930	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	521817	42.748	ng		99
17) 2-Methylphenol	7.128	107	413870	46.686	ng		98
18) Hexachloroethane	7.392	117	206331	45.179	ng		94
19) n-Nitroso-di-n-propyla...	7.292	70	356374	43.331	ng		99
20) 3+4-Methylphenols	7.281	107	525851	46.311	ng	#	81
22) Acetophenone	7.286	105	794019	49.735	ng		98
24) Nitrobenzene	7.457	77	540933	45.933	ng		100
25) Isophorone	7.698	82	992286	47.387	ng		100
26) 2-Nitrophenol	7.775	139	274315	47.460	ng		100
27) 2,4-Dimethylphenol	7.804	122	458082	57.557	ng		99
28) bis(2-Chloroethoxy)met...	7.904	93	584252	44.484	ng		100
29) 2,4-Dichlorophenol	8.010	162	454991	46.058	ng		100
30) 1,2,4-Trichlorobenzene	8.098	180	489377	44.952	ng		100
31) Naphthalene	8.181	128	1521001	44.415	ng		100
32) Benzoic acid	7.928	122	368882	52.727	ng		99
33) 4-Chloroaniline	8.222	127	189925	15.710	ng		98
34) Hexachlorobutadiene	8.298	225	330110	46.496	ng		99
35) Caprolactam	8.598	113	149736m	49.717	ng		
36) 4-Chloro-3-methylphenol	8.704	107	506070	45.924	ng		100
37) 2-Methylnaphthalene	8.869	142	984016	42.989	ng		98
38) 1-Methylnaphthalene	8.969	142	975143	44.147	ng		100
40) 1,2,4,5-Tetrachloroben...	9.039	216	589567	50.807	ng		98
41) Hexachlorocyclopentadiene	9.022	237	787647	173.440	ng		100
43) 2,4,6-Trichlorophenol	9.145	196	373446	49.244	ng		100

Sample Results: **BF141941.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
Data File : BF141941.D
Acq On : 13 Mar 2025 13:17
Operator : RC/JU
Sample : PB167097BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 13 13:42:14 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 :
PB167097BS

Manual Integrations APPROVED

Reviewed By :Anahy Claudio
03/14/2025
Supervised By :Jagrut Upadhyay
03/14/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	348841	45.418	ng		100
46) 1,1'-Biphenyl	9.333	154	1455375	50.256	ng		100
47) 2-Chloronaphthalene	9.363	162	993605	46.033	ng		99
48) 2-Nitroaniline	9.451	65	295534	47.288	ng		97
49) Acenaphthylene	9.775	152	1553482	48.500	ng		100
50) Dimethylphthalate	9.639	163	1224816	45.891	ng		100
51) 2,6-Dinitrotoluene	9.698	165	259612	46.717	ng		96
52) Acenaphthene	9.951	154	1170255	51.989	ng		98
53) 3-Nitroaniline	9.863	138	143947	25.536	ng		100
54) 2,4-Dinitrophenol	9.975	184	318705	99.219	ng	#	46
55) Dibenzofuran	10.122	168	1417170	44.061	ng		99
56) 4-Nitrophenol	10.022	139	439494	103.387	ng		98
57) 2,4-Dinitrotoluene	10.104	165	361052	49.745	ng		99
58) Fluorene	10.463	166	1147740	46.273	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.233	232	323625	46.303	ng		100
60) Diethylphthalate	10.339	149	1194423	44.881	ng		99
61) 4-Chlorophenyl-phenyle...	10.457	204	597749	46.224	ng		96
62) 4-Nitroaniline	10.480	138	256469	46.734	ng		99
63) Azobenzene	10.616	77	1083805	43.803	ng		98
65) 4,6-Dinitro-2-methylph...	10.510	198	199851	50.999	ng		97
66) n-Nitrosodiphenylamine	10.574	169	997450	46.890	ng		100
67) 4-Bromophenyl-phenylether	10.945	248	382756	46.364	ng		97
68) Hexachlorobenzene	11.010	284	437639	48.335	ng		96
69) Atrazine	11.098	200	402029	61.650	ng		99
70) Pentachlorophenol	11.204	266	557370	99.911	ng		99
71) Phenanthrene	11.427	178	1669056	47.009	ng		100
72) Anthracene	11.474	178	1712956	48.088	ng		100
73) Carbazole	11.627	167	1439856	46.870	ng		100
74) Di-n-butylphthalate	11.957	149	1842392	45.199	ng		100
75) Fluoranthene	12.610	202	1728401	45.891	ng		100
77) Benzidine	12.727	184	500180	84.472	ng		100
78) Pyrene	12.839	202	1719348	46.834	ng		100
80) Butylbenzylphthalate	13.457	149	660564	45.971	ng		99
81) Benzo(a)anthracene	14.027	228	1314815	47.211	ng		100
82) 3,3'-Dichlorobenzidine	13.986	252	227079	28.215	ng		100
83) Chrysene	14.062	228	1167619	46.252	ng		100
84) Bis(2-ethylhexyl)phtha...	14.015	149	882521	44.545	ng		100
85) Di-n-octyl phthalate	14.627	149	1244287	45.138	ng		99
87) Indeno(1,2,3-cd)pyrene	16.992	276	1228415	51.214	ng		98
88) Benzo(b)fluoranthene	15.074	252	1177030	46.317	ng		100
89) Benzo(k)fluoranthene	15.104	252	942444	43.336	ng		100
90) Benzo(a)pyrene	15.445	252	996055	50.093	ng		99
91) Dibenzo(a,h)anthracene	17.015	278	1005280	50.797	ng		99
92) Benzo(g,h,i)perylene	17.445	276	938047	47.965	ng		98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
Data File : BF141941.D
Acq On : 13 Mar 2025 13:17
Operator : RC/JU
Sample : PB167097BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 13 13:42:14 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 :
PB167097BS

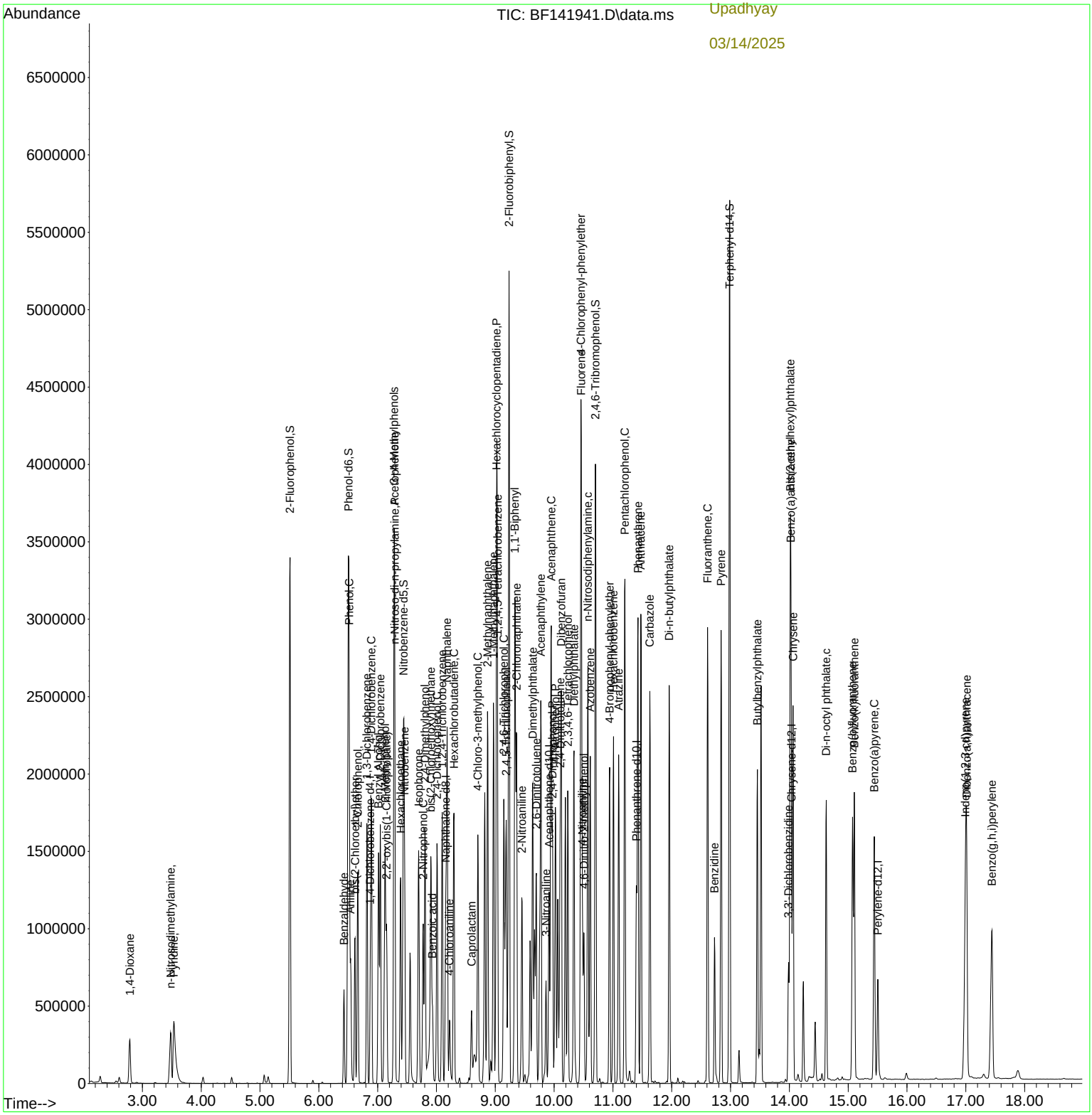
Manual Integrations APPROVED

Reviewed By :Anahy Claudio

03/14/2025

Supervised By :Jagrut Upadhyay

03/14/2025



Raw Data: **BF141942.D**

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

Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	
Client Sample ID:	PB167097BSD	SDG No.:	Q1522
Lab Sample ID:	PB167097BSD	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group4
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141942.D	1	03/12/25 08:45	03/13/25 13:47	PB167097

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
108-95-2	Phenol	43.0		0.91	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	43.0		0.53	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	43.2		0.54	5.00	ug/L
91-20-3	Naphthalene	42.1		0.50	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	132		15 (10) - 110 (139)	88%	SPK: 150
13127-88-3	Phenol-d6	129		15 (10) - 110 (134)	86%	SPK: 150
4165-60-0	Nitrobenzene-d5	93.2		30 (49) - 130 (133)	93%	SPK: 100
321-60-8	2-Fluorobiphenyl	93.8		30 (52) - 130 (132)	94%	SPK: 100
118-79-6	2,4,6-Tribromophenol	151		15 (44) - 110 (137)	101%	SPK: 150
1718-51-0	Terphenyl-d14	101		30 (48) - 130 (125)	101%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	178000	6.875			
1146-65-2	Naphthalene-d8	702000	8.157			
15067-26-2	Acenaphthene-d10	402000	9.916			
1517-22-2	Phenanthrene-d10	683000	11.398			
1719-03-5	Chrysene-d12	437000	14.033			
1520-96-3	Perylene-d12	393000	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

Sample Results: **BF141942.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
Data File : BF141942.D
Acq On : 13 Mar 2025 13:47
Operator : RC/JU
Sample : PB167097BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 13 14:35:48 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 :
PB167097BSD

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	178366	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	702401	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	401749	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	683407	20.000	ng	0.00
76) Chrysene-d12	14.033	240	437316	20.000	ng	0.00
86) Perylene-d12	15.504	264	392710	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1413436	132.254	ng	0.02
7) Phenol-d6	6.504	99	1756797	129.108	ng	0.00
23) Nitrobenzene-d5	7.439	82	1163264	93.200	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	771672	151.406	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	2478502	93.823	ng	0.00
79) Terphenyl-d14	12.980	244	2991728	101.143	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.781	88	187189	41.802	ng	99
3) Pyridine	3.534	79	435192	39.620	ng	99
4) n-Nitrosodimethylamine	3.481	42	222631	42.519	ng	100
6) Aniline	6.540	93	484108	36.064	ng	100
8) 2-Chlorophenol	6.663	128	523341	44.153	ng	99
9) Benzaldehyde	6.428	77	161299	21.195	ng	100
10) Phenol	6.516	94	614836	42.950	ng	96
11) bis(2-Chloroethyl)ether	6.610	93	460371	42.829	ng	99
12) 1,3-Dichlorobenzene	6.816	146	547988	42.823	ng	100
13) 1,4-Dichlorobenzene	6.892	146	556911	43.013	ng	100
14) 1,2-Dichlorobenzene	7.045	146	534852	43.858	ng	99
15) Benzyl Alcohol	7.016	79	471295	42.842	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.151	45	523711	40.357	ng	99
17) 2-Methylphenol	7.122	107	419477	44.510	ng	98
18) Hexachloroethane	7.387	117	207547	42.748	ng	98
19) n-Nitroso-di-n-propyla...	7.292	70	358439	40.995	ng	100
20) 3+4-Methylphenols	7.275	107	531297	44.013	ng	94
22) Acetophenone	7.287	105	793124	47.151	ng	99
24) Nitrobenzene	7.457	77	541451	43.637	ng	100
25) Isophorone	7.698	82	997958	45.232	ng	100
26) 2-Nitrophenol	7.775	139	279514	45.898	ng	99
27) 2,4-Dimethylphenol	7.804	122	459597	54.809	ng	97
28) bis(2-Chloroethoxy)met...	7.904	93	590404	42.665	ng	99
29) 2,4-Dichlorophenol	8.010	162	455855	43.797	ng	99
30) 1,2,4-Trichlorobenzene	8.098	180	495238	43.176	ng	98
31) Naphthalene	8.181	128	1520406	42.138	ng	100
32) Benzoic acid	7.934	122	383964	52.090	ng	99
33) 4-Chloroaniline	8.222	127	231327	18.162	ng	99
34) Hexachlorobutadiene	8.298	225	329952	44.109	ng	99
35) Caprolactam	8.598	113	155078m	48.870	ng	
36) 4-Chloro-3-methylphenol	8.704	107	500230	43.084	ng	98
37) 2-Methylnaphthalene	8.869	142	1001009	41.506	ng	100
38) 1-Methylnaphthalene	8.969	142	974037	41.853	ng	100
40) 1,2,4,5-Tetrachloroben...	9.039	216	583297	47.688	ng	97
41) Hexachlorocyclopentadiene	9.022	237	787555	164.521	ng	100
43) 2,4,6-Trichlorophenol	9.145	196	360707	45.123	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
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Sample : PB167097BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 13 14:35:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	370018	45.703	ng		99
46) 1,1'-Biphenyl	9.334	154	1464225	47.967	ng		100
47) 2-Chloronaphthalene	9.363	162	994179	43.696	ng		99
48) 2-Nitroaniline	9.451	65	298045	45.243	ng		98
49) Acenaphthylene	9.775	152	1557169	46.120	ng		100
50) Dimethylphthalate	9.639	163	1194632	42.463	ng		100
51) 2,6-Dinitrotoluene	9.698	165	263529	44.989	ng		94
52) Acenaphthene	9.951	154	1177793	49.639	ng		98
53) 3-Nitroaniline	9.863	138	159486	26.841	ng		98
54) 2,4-Dinitrophenol	9.969	184	320573	94.980	ng	#	52
55) Dibenzofuran	10.122	168	1424322	42.011	ng		99
56) 4-Nitrophenol	10.022	139	435956	97.292	ng		99
57) 2,4-Dinitrotoluene	10.098	165	359870	47.038	ng		97
58) Fluorene	10.463	166	1136451	43.467	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.233	232	323646	43.930	ng		100
60) Diethylphthalate	10.339	149	1198598	42.727	ng		100
61) 4-Chlorophenyl-phenyle...	10.451	204	594729	43.631	ng		99
62) 4-Nitroaniline	10.480	138	255806	44.221	ng		99
63) Azobenzene	10.616	77	1090059	41.795	ng		98
65) 4,6-Dinitro-2-methylph...	10.510	198	203376	49.919	ng		95
66) n-Nitrosodiphenylamine	10.575	169	990749	44.799	ng		99
67) 4-Bromophenyl-phenylether	10.945	248	379973	44.271	ng		97
68) Hexachlorobenzene	11.010	284	442267	46.983	ng		95
69) Atrazine	11.098	200	400827	59.122	ng		99
70) Pentachlorophenol	11.204	266	554214	95.557	ng		99
71) Phenanthrene	11.427	178	1661922	45.023	ng		100
72) Anthracene	11.475	178	1697853	45.846	ng		100
73) Carbazole	11.627	167	1421538	44.509	ng		100
74) Di-n-butylphthalate	11.957	149	1824481	43.052	ng		100
75) Fluoranthene	12.610	202	1694947	43.287	ng		100
77) Benzidine	12.727	184	545926	89.476	ng		100
78) Pyrene	12.839	202	1692747	44.748	ng		99
80) Butylbenzylphthalate	13.457	149	646504	43.665	ng		98
81) Benzo(a)anthracene	14.021	228	1329501	46.329	ng		100
82) 3,3'-Dichlorobenzidine	13.986	252	247002	29.785	ng		99
83) Chrysene	14.063	228	1152190	44.293	ng		99
84) Bis(2-ethylhexyl)phtha...	14.016	149	866554	42.448	ng		99
85) Di-n-octyl phthalate	14.627	149	1235348	43.491	ng		99
87) Indeno(1,2,3-cd)pyrene	16.992	276	1234216	48.584	ng		98
88) Benzo(b)fluoranthene	15.074	252	1060224	39.392	ng		99
89) Benzo(k)fluoranthene	15.104	252	1055343	45.819	ng		99
90) Benzo(a)pyrene	15.445	252	995119	47.252	ng		99
91) Dibenzo(a,h)anthracene	17.009	278	1018402	48.588	ng		99
92) Benzo(g,h,i)perylene	17.445	276	942720	45.514	ng		98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
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Sample : PB167097BSD
Misc :
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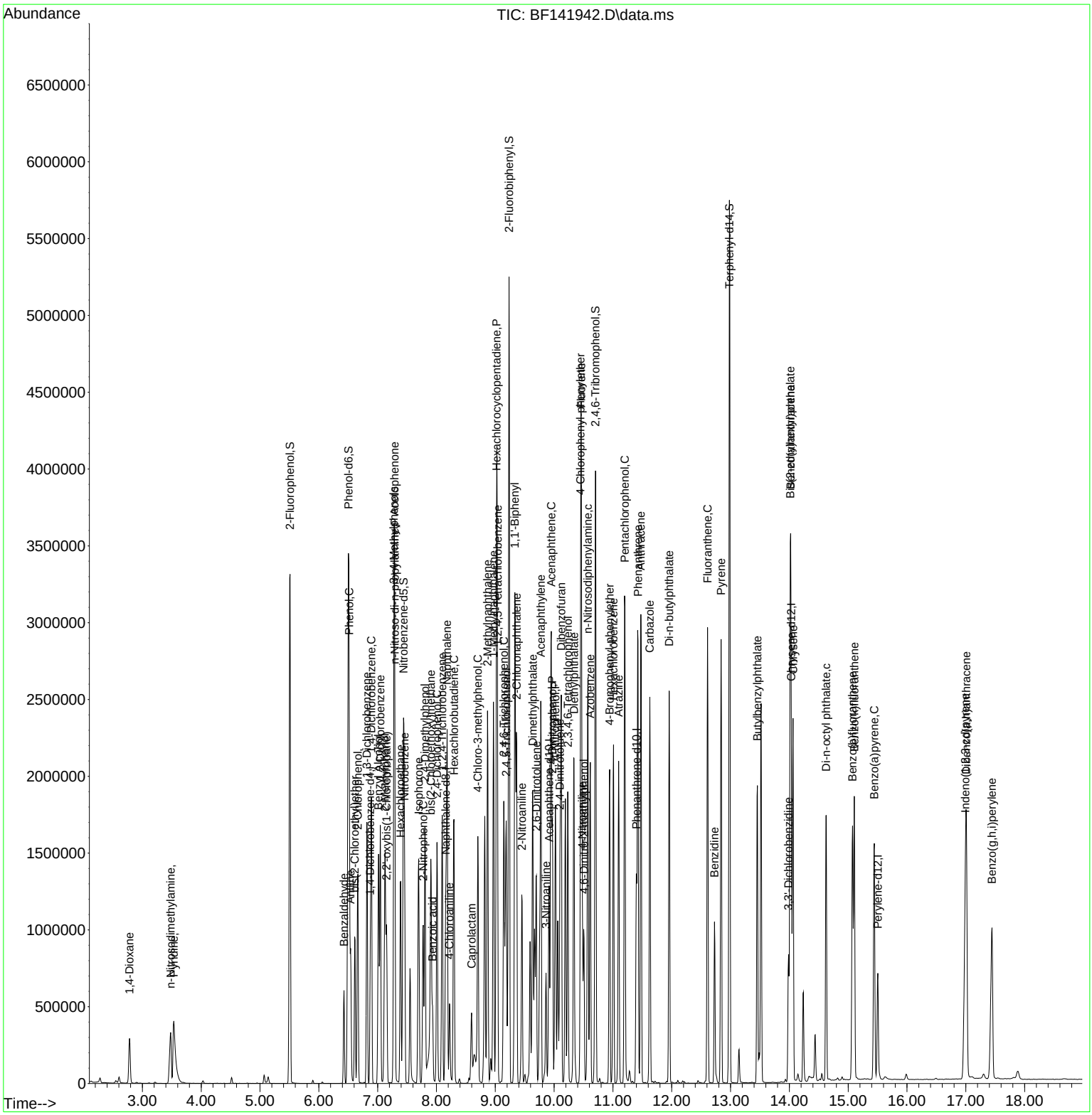
Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



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:	BF031225	Instrument	BNA_f

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

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

Manual Integration Report

Sequence:	BF031325	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB167097BS	BF141941.D	Caprolactam	anahy	3/14/2025 11:28:10 AM	Jagrut	3/14/2025 4:35:23 PM	Peak Integrated by Software
PB167097BSD	BF141942.D	Caprolactam	anahy	3/14/2025 11:28:42 AM	Jagrut	3/14/2025 4:35:25 PM	Peak Integrated by Software

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

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 # BF031225

Review By	anahy	Review On	3/13/2025 9:29:07 AM		
Supervise By	Jagrut	Supervise On	3/13/2025 10:03:29 AM		
SubDirectory	BF031225	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	BF141930.D	12 Mar 2025 09:38	RC/JU	Ok
2	SSTDCCC040	BF141931.D	12 Mar 2025 10:08	RC/JU	Ok
3	PB167089BL	BF141932.D	12 Mar 2025 10:37	RC/JU	Ok
4	PB167089BS	BF141933.D	12 Mar 2025 11:06	RC/JU	Ok,M
5	PB167049TB	BF141934.D	12 Mar 2025 11:36	RC/JU	Ok
6	Q1507-01DL	BF141935.D	12 Mar 2025 12:16	RC/JU	Ok,M
7	Q1534-07	BF141936.D	12 Mar 2025 12:45	RC/JU	Ok,M
8	Q1522-02	BF141937.D	12 Mar 2025 14:26	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF031325

Review By	anahy	Review On	3/14/2025 11:36:22 AM				
Supervise By	Jagrut	Supervise On	3/14/2025 4:35:55 PM				
SubDirectory	BF031325	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	S12655,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141938.D	13 Mar 2025 11:48	RC/JU	Ok
2	SSTDCCC040	BF141939.D	13 Mar 2025 12:17	RC/JU	Ok
3	PB167097BL	BF141940.D	13 Mar 2025 12:47	RC/JU	Ok
4	PB167097BS	BF141941.D	13 Mar 2025 13:17	RC/JU	Ok,M
5	PB167097BSD	BF141942.D	13 Mar 2025 13:47	RC/JU	Ok,M
6	Q1539-01	BF141943.D	13 Mar 2025 16:14	RC/JU	Ok
7	Q1539-02	BF141944.D	13 Mar 2025 16:44	RC/JU	Ok
8	Q1547-01	BF141945.D	13 Mar 2025 17:14	RC/JU	Ok
9	Q1547-01MS	BF141946.D	13 Mar 2025 17:44	RC/JU	Ok,M
10	Q1547-01MSD	BF141947.D	13 Mar 2025 18:13	RC/JU	Ok,M
11	Q1547-05	BF141948.D	13 Mar 2025 18:42	RC/JU	Ok
12	Q1547-05MS	BF141949.D	13 Mar 2025 19:11	RC/JU	Ok,M
13	Q1547-05MSD	BF141950.D	13 Mar 2025 19:41	RC/JU	Ok,M
14	Q1547-10	BF141951.D	13 Mar 2025 20:10	RC/JU	Ok,M
15	Q1547-06	BF141952.D	13 Mar 2025 20:39	RC/JU	Ok
16	SSTDCCC040	BF141953.D	13 Mar 2025 21:09	RC/JU	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

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF031225

Review By	anahy	Review On	3/13/2025 9:29:07 AM		
Supervise By	Jagrut	Supervise On	3/13/2025 10:03:29 AM		
SubDirectory	BF031225	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	BF141930.D	12 Mar 2025 09:38		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF141931.D	12 Mar 2025 10:08		RC/JU	Ok
3	PB167089BL	PB167089BL	BF141932.D	12 Mar 2025 10:37		RC/JU	Ok
4	PB167089BS	PB167089BS	BF141933.D	12 Mar 2025 11:06		RC/JU	Ok,M
5	PB167049TB	PB167049TB	BF141934.D	12 Mar 2025 11:36		RC/JU	Ok
6	Q1507-01DL	50-MIDDLESEX-AVEDI	BF141935.D	12 Mar 2025 12:16		RC/JU	Ok,M
7	Q1534-07	OR-636-COMP-17	BF141936.D	12 Mar 2025 12:45		RC/JU	Ok,M
8	Q1522-02	TW-WTS-04	BF141937.D	12 Mar 2025 14:26		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 # BF031325

Review By	anahy	Review On	3/14/2025 11:36:22 AM		
Supervise By	Jagrut	Supervise On	3/14/2025 4:35:55 PM		
SubDirectory	BF031325	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	S12655,10ul/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	BF141938.D	13 Mar 2025 11:48		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF141939.D	13 Mar 2025 12:17		RC/JU	Ok
3	PB167097BL	PB167097BL	BF141940.D	13 Mar 2025 12:47		RC/JU	Ok
4	PB167097BS	PB167097BS	BF141941.D	13 Mar 2025 13:17		RC/JU	Ok,M
5	PB167097BSD	PB167097BSD	BF141942.D	13 Mar 2025 13:47		RC/JU	Ok,M
6	Q1539-01	TAPIAL3-MW03D-0310	BF141943.D	13 Mar 2025 16:14		RC/JU	Ok
7	Q1539-02	TAPFTA-MW01I-03102	BF141944.D	13 Mar 2025 16:44		RC/JU	Ok
8	Q1547-01	OR-620-JB-COMP-01	BF141945.D	13 Mar 2025 17:14		RC/JU	Ok
9	Q1547-01MS	OR-620-JB-COMP-01M	BF141946.D	13 Mar 2025 17:44		RC/JU	Ok,M
10	Q1547-01MSD	OR-620-JB-COMP-01M	BF141947.D	13 Mar 2025 18:13		RC/JU	Ok,M
11	Q1547-05	OR-620-JB-COMP-01	BF141948.D	13 Mar 2025 18:42		RC/JU	Ok
12	Q1547-05MS	OR-620-JB-COMP-01M	BF141949.D	13 Mar 2025 19:11		RC/JU	Ok,M
13	Q1547-05MSD	OR-620-JB-COMP-01M	BF141950.D	13 Mar 2025 19:41		RC/JU	Ok,M
14	Q1547-10	OR-620-JB-COMP-02	BF141951.D	13 Mar 2025 20:10		RC/JU	Ok,M
15	Q1547-06	OR-620-JB-COMP-02	BF141952.D	13 Mar 2025 20:39		RC/JU	Ok
16	SSTDCCC040	SSTDCCC040EC	BF141953.D	13 Mar 2025 21:09		RC/JU	Ok

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB167097

SOP ID: M3510C,3580A-Extraction SVOC-20

Clean Up SOP #: N/A

Matrix : Water

Weigh By: N/A

Balance check: N/A

Balance ID: N/A

pH Strip Lot#: E3880

Extraction By: RS

Filter By: RS

pH Meter ID: N/A

Hood ID: 4,6,7

Extraction Start Date : 03/12/2025

Extraction Start Time : 08:45

Extraction End Date : 03/12/2025

Extraction End Time : 13:55

Concentration By: EH

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
Methylene Chloride	N/A	E3878
Baked Na2SO4	N/A	EP2593
10N NaoH	N/A	EP2559
H2SO4 1:1	N/A	EP2565
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:

1.5ML Vial lot# 2210673. pH Adjusted<2 with 1:1 H2SO4 & >11 with 10 N NaOH.

KD Bath ID: WATER BATH-1,2

KD Bath Temperature: 60 °C

Envap ID: NEVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
3/12/25	RS (Ext-Lab)	RclSvoc
14:00	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB167097

Analytical Method: M3510C,3580A-Extraction SVOC-20 **Concentration Date:** 03/12/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167097BL	SBLK097	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1			SEP-1
PB167097BS	SLCS097	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1			2
PB167097BSD	SLCSD097	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1			3
Q1502-03	PT-BN-WP	SVOCMS Group1	1000	6	RUPESH	ritesh	1			4
Q1502-06	PT-ACIDS-WP	SVOCMS Group2	1000	6	RUPESH	ritesh	1			5
Q1502-22	RR-TRIAZINE-WP	SVOCMS Group6	1000	6	RUPESH	ritesh	1			6
Q1522-02	TW-WTS-04	SVOCMS Group4	990	6	RUPESH	ritesh	1	D		7
Q1539-01	TAPIAL3-MW03D-031025-00-T1	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1	O		8
Q1539-02	TAPFTA-MW01I-031025-00-T2	SVOC-TCL BNA -20	930	6	RUPESH	ritesh	1	O		9

RS
3/12

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

167097
8:45

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1522 **WorkList ID :** 188221 **Department :** Extraction **Date :** 03-12-2025 08:39:49

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1502-03	PT-BN-WP	Water	SVOCMS Group1	Cool 4 deg C	ALLI03	QA Of	03/03/2025	8270E
Q1502-06	PT-ACIDS-WP	Water	SVOCMS Group2	Cool 4 deg C	ALLI03	QA Of	03/03/2025	8270E
Q1502-22	RR-TRIAZINE-WP	Water	SVOCMS Group6	Cool 4 deg C	ALLI03	QA Of	03/07/2025	8270E
Q1522-02	TW-WTS-04	Water	SVOCMS Group4	Cool 4 deg C	ENTA05	H31	03/06/2025	8270E
Q1539-01	TAPIAL3-MW03D-031025-00-T	Water	SVOC-TCL BNA -20	Cool 4 deg C	WEST04	I31	03/10/2025	8270E
Q1539-02	TAPFTA-MW01I-031025-00-T2	Water	SVOC-TCL BNA -20	Cool 4 deg C	WEST04	I31	03/10/2025	8270E

Date/Time 3/12/25 8:40
Raw Sample Received by: RS (Ext Lab)
Raw Sample Relinquished by: CP SM

Date/Time 3/12/25 9:15
Raw Sample Received by: CP SM
Raw Sample Relinquished by: RS (Ext Lab)

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax: (908) 788-9222
www.chemtech.net

CHAIN OF CUSTODY RECORD

Alliance Project Number: Q1522

COC Number: 2042109

CLIENT INFORMATION

COMPANY: **ENTACT, LLC**
ADDRESS: **150 Bay Street, Suite 806**
CITY: **Jersey City** STATE: **NJ** ZIP: **07302**
ATTENTION: **Jarod Stanfield**
PHONE: **570-886-0442** FAX:

PROJECT INFORMATION

PROJECT NAME: **540 Degraw St Brooklyn, NY**
PROJECT #: **E9309** LOCATION: **Brooklyn, NY**
PROJECT MANAGER: **Jarod Stanfield**
E-MAIL: **jstanfield@entact.com**
PHONE: **570-886-0442** FAX:

BILLING INFORMATION

BILL TO: **ENTACT, LLC** PO# **E9309**
ADDRESS: **999 Oakmont Plaza Drive, Suite 300**
CITY: **Westmont** STATE: **IL** ZIP: **60559**
ATTENTION: **Wendy Murray** PHONE: **800-936-8228**

DATA TURNAROUND INFORMATION

FAX: 5 DAYS*
HARD COPY: _____ DAYS*
EDD 5 DAYS*
* TO BE APPROVED BY ALLIANCE
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ RESEULTS ONLY
- ☐ RESULTS + QC
- ☐ New Jersey REDUCED
- ☐ New Jersey CLP
- ☐ USEPA CLP
- ☐ New York State ASP "B"
- ☐ New York State ASP "A"
- ☐ Other _____
- ☐ EDD Format _____

ANALYSIS

1	2	3	4	5	6	7	8	9
Metals	Flashpoint + PCB	VOC	SVOC + Chloride (Anions)	BOD+TSS	pH+TSS			

CHEMTECH 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
								B	E	E	E	E					<-- Specify Preservatives A-HCl B-HNO3 C-H2SO4 D-NaOH E-ICE F-Other
1.	TW-WTS-03	Surface Water		X	3/6	10:00	1						X				
2.	TW-WTS-04	Surface Water		X	3/6	10:00	1	X	X	X	X	X					pH 1.6
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

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

	DATE/TIME		
RELINQUISHED BY SAMPLER 1. **Jarod Stanfield**	03/06/25 15:34	RECEIVED BY 1.	3-7-25 0700
RELINQUISHED BY 2.	DATE/TIME	RECEIVED BY 2.	
RELINQUISHED BY 3.	DATE/TIME	RECEIVED FOR LAB BY 3.	

Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp 5.3°C ☐ Ice in Cooler?: _____

Comments:

Page _____ of _____

SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ Overnight
ALLIANCE: ☐ Picked Up ☐ Overnight

Shipment Complete ☐ YES ☐ NO

WHITE - ALLIANCE COPYFOR RETURN TO CLIENT **YELLOW** - ALLIANCE COPY **PINK** - SAMPLER COPY

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

QA Control Code: A2070148

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1522 ENTA05
Client Name : ENTACT
Client Contact : Jarod Stanfield
Invoice Name : ENTACT
Invoice Contact : Jarod Stanfield

Order Date : 3/7/2025 10:29:00 AM
Project Name : 540 Degraw St, Brooklyn, N
Receive DateTime : 3/7/2025 7:00:00 AM
Purchase Order :

Project Mgr :
Report Type : Level 1
EDD Type : Excel NJ
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
~~Q1522-01~~	~~TW-WTS-03~~	~~Water~~	~~03/06/2025~~	10:00	~~VOCMS Group4~~		~~8260-Low~~		~~5 Bus. Days~~
Q1522-02	TW-WTS-04	Water	03/06/2025	10:00	VOCMS Group4		8260-Low		5 Bus. Days

Relinguished By : CR
Date / Time : 3.7.25 1232

Received By :
Date / Time : 3.7.25 12:32

Storage Area : VOA Refridgerator Room