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

Order ID : Q1322

Project ID : Outfall 001 - Orangetown Dis Permit 2025

Client : Spectra East Inc.

Lab Sample Number	Client Sample Number
Q1322-01	MANHOLE
Q1322-02	Q1322-01MS
Q1322-03	Q1322-01MSD
Q1322-04	MANHOLE

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: 2/14/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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

DATA REPORTING QUALIFIERS- ORGANIC

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

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

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **Q1322**

	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: **PATEL VAISHALI** **Date:** **02/14/2025**

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LAB CHRONICLE

OrderID:	Q1322	**OrderDate:**	2/6/2025 1:17:00 PM
Client:	Spectra East Inc.	**Project:**	Outfall 001 - Orangetown Dis Permit 2025
Contact:	Jacob Valeich	**Location:**	N41,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1322-01	**MANHOLE**	**Water**			**02/06/25**			**02/06/25**
			SVOCMS Group1	625.1		02/07/25	02/10/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1322

Client: Spectra East Inc.

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.: Q1322

Client: Spectra East Inc.

Analytical Method: 625.1

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB166619BL	PB166619BL	Nitrobenzene-d5	100	90.2	90		60	140
		2-Fluorobiphenyl	100	90.0	90		60	140
		Terphenyl-d14	100	81.1	81		60	140
PB166619BS	PB166619BS	Nitrobenzene-d5	100	95.0	95		60	140
		2-Fluorobiphenyl	100	96.3	96		60	140
		Terphenyl-d14	100	102	102		60	140
PB166619BSD	PB166619BSD	Nitrobenzene-d5	100	94.9	95		60	140
		2-Fluorobiphenyl	100	95.9	96		60	140
		Terphenyl-d14	100	94.7	95		60	140
Q1322-01	MANHOLE	Nitrobenzene-d5	100	76.4	76		60	140
		2-Fluorobiphenyl	100	78.4	78		60	140
		Terphenyl-d14	100	89.2	89		60	140

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1322

Client: Spectra East Inc.

Analytical Method: 625.1 **DataFile:** BF141533.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB166619BS	bis(2-Ethylhexyl)phthalate	50	50.9	ug/L	102				43	137	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1322

Client: Spectra East Inc.

Analytical Method: 625.1 **DataFile:** BF141534.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB166619BSD	bis(2-Ethylhexyl)phthalate	50	54.6	ug/L	109	7			43	137	20

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB166619BL

Lab Name: CHEMTECH Contract: SPEC01

Lab Code: CHEM Case No.: Q1322 SAS No.: Q1322 SDG NO.: Q1322

Lab File ID: BF141535.D Lab Sample ID: PB166619BL

Instrument ID: BNA_F Date Extracted: 02/07/2025

Matrix: (soil/water) Water Date Analyzed: 02/10/2025

Level: (low/med) LOW Time Analyzed: 15:17

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB166619BS	PB166619BS	BF141533.D	02/10/2025
PB166619BSD	PB166619BSD	BF141534.D	02/10/2025
MANHOLE	Q1322-01	BF141536.D	02/10/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: SPEC01

Lab Code: CHEM SAS No.: Q1322 SDG NO.: Q1322

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

Instrument ID: BNA_F DFTPP Injection Time: 10:41

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

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

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

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

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: SPEC01

Lab Code: CHEM SAS No.: Q1322 SDG NO.: Q1322

Lab File ID: BF141530.D DFTPP Injection Date: 02/10/2025

Instrument ID: BNA_F DFTPP Injection Time: 11:08

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	43.6
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	37.3
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	49.9
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	27.1
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	12.7
442	Greater than 50% of mass 198	79
443	15.0 - 24.0% of mass 442	15.4 (19.5) 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	BF141531.D	02/10/2025	11:34
PB166619BS	PB166619BS	BF141533.D	02/10/2025	12:26
PB166619BSD	PB166619BSD	BF141534.D	02/10/2025	14:50
PB166619BL	PB166619BL	BF141535.D	02/10/2025	15:17
MANHOLE	Q1322-01	BF141536.D	02/10/2025	15:57

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1322 SAS No.: Q1322 SDG NO.: Q1322

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/10/2025

Lab File ID: BF141531.D Time Analyzed: 11:34

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	91504	6.792	356056	8.08	192109	9.83
	UPPER LIMIT	183008	7.292	712112	8.575	384218	10.327
	LOWER LIMIT	45752	6.292	178028	7.575	96054.5	9.327
	EPA SAMPLE NO.						
01	PB166619BS	90197	6.79	363645	8.08	200498	9.83
02	PB166619BL	97885	6.79	393922	8.07	221436	9.82
03	PB166619BSD	95997	6.79	377178	8.07	209865	9.83
04	MANHOLE	73137	6.79	289023	8.07	157501	9.82

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1322 SAS No.: Q1322 SDG NO.: Q1322

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/10/2025

Lab File ID: BF141531.D Time Analyzed: 11:34

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	313129	11.316	193608	13.963	177316	15.439
	UPPER LIMIT	626258	11.816	387216	14.463	354632	15.939
	LOWER LIMIT	156565	10.816	96804	13.463	88658	14.939
	EPA SAMPLE NO.						
01	PB166619BS	341345	11.32	224165	13.96	193889	15.45
02	PB166619BL	390652	11.31	341278	13.95	281271	15.40
03	PB166619BSD	377001	11.32	279833	13.96	213547	15.41
04	MANHOLE	269181	11.31	202540	13.95	146679	15.42

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: **BF141536.D**

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Report of Analysis

Client:	Spectra East Inc.	Date Collected:	02/06/25
Project:	Outfall 001 - Orangetown Dis Permit 2025	Date Received:	02/06/25
Client Sample ID:	MANHOLE	SDG No.:	Q1322
Lab Sample ID:	Q1322-01	Matrix:	Water
Analytical Method:	625.1	% Solid:	0
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141536.D	1	02/07/25 11:55	02/10/25 15:57	PB166619

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
117-81-7	Bis(2-ethylhexyl)phthalate	2.00	U	2.00	5.20	ug/L
SURROGATES						
4165-60-0	Nitrobenzene-d5	76.4		60 - 140	76%	SPK: 100
321-60-8	2-Fluorobiphenyl	78.4		60 - 140	78%	SPK: 100
1718-51-0	Terphenyl-d14	89.2		60 - 140	89%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	73100	6.787			
1146-65-2	Naphthalene-d8	289000	8.069			
15067-26-2	Acenaphthene-d10	158000	9.822			
1517-22-2	Phenanthrene-d10	269000	11.31			
1719-03-5	Chrysene-d12	203000	13.951			
1520-96-3	Perylene-d12	147000	15.416			

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\BF021025\
Data File : BF141536.D
Acq On : 10 Feb 2025 15:57
Operator : RC/JU
Sample : Q1322-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MANHOLE

Quant Time: Feb 10 16:32:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

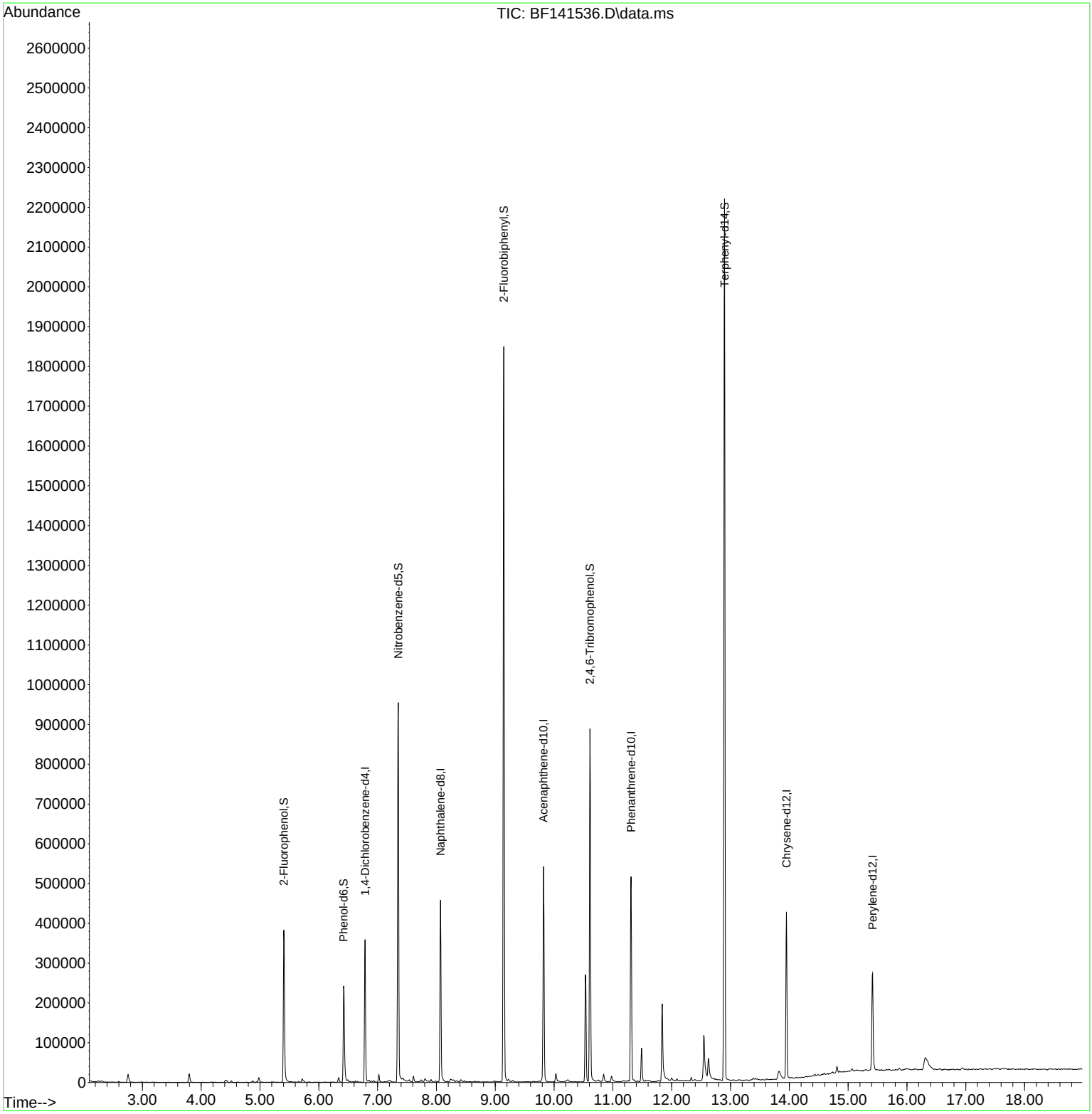
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	73137	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	289023	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	157501	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	269181	20.000	ng	0.00
76) Chrysene-d12	13.951	240	202540	20.000	ng	-0.01
86) Perylene-d12	15.416	264	146679	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	149509	32.048	ng	0.00
7) Phenol-d6	6.422	99	114523	19.423	ng	-0.02
23) Nitrobenzene-d5	7.351	82	423571	76.439	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	135666	85.747	ng	-0.02
45) 2-Fluorobiphenyl	9.145	172	801121	78.364	ng	0.00
79) Terphenyl-d14	12.898	244	1069592	89.151	ng	0.00
Target Compounds						Qvalue

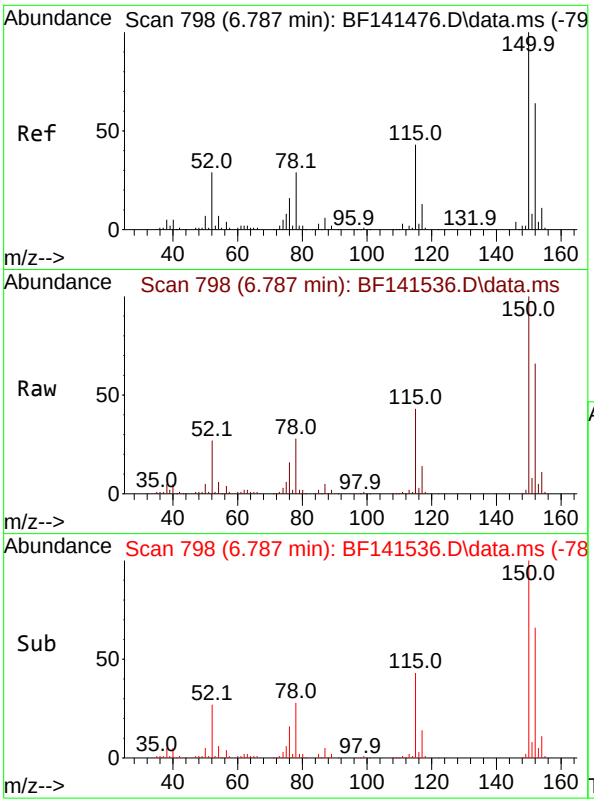
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021025\
Data File : BF141536.D
Acq On : 10 Feb 2025 15:57
Operator : RC/JU
Sample : Q1322-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MANHOLE

Quant Time: Feb 10 16:32:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration



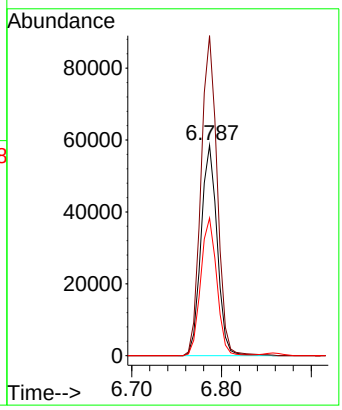


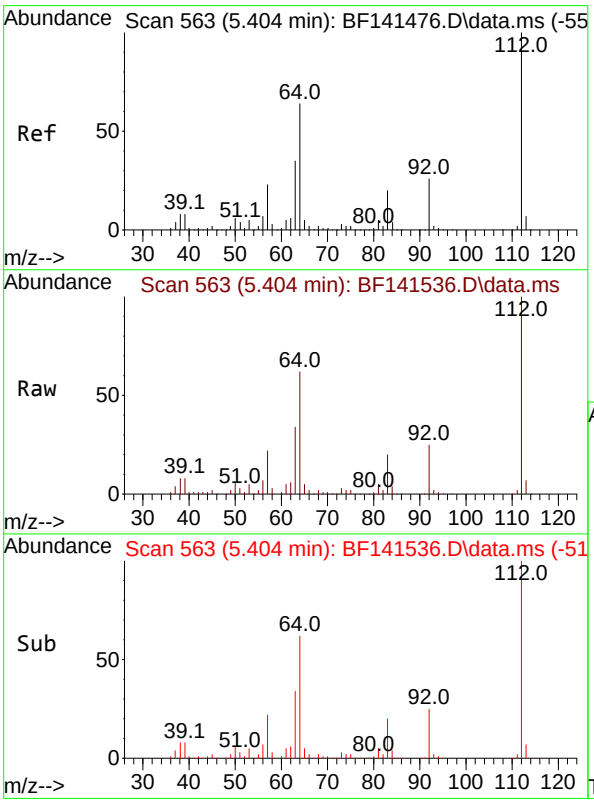
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 7
Delta R.T. -0.005 min
Lab File: BF141536.D
Acq: 10 Feb 2025 15:57

Instrument :
BNA_F
ClientSampleId :
MANHOLE

Tgt Ion:152 Resp: 73137

Ion	Ratio	Lower	Upper
152	100		
150	152.1	125.0	187.4
115	65.5	53.6	80.4

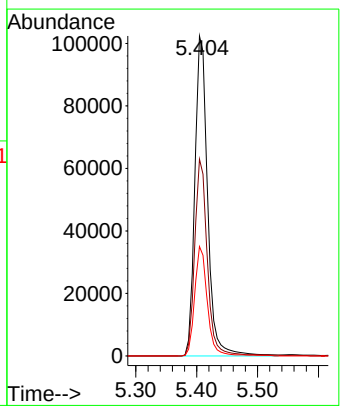


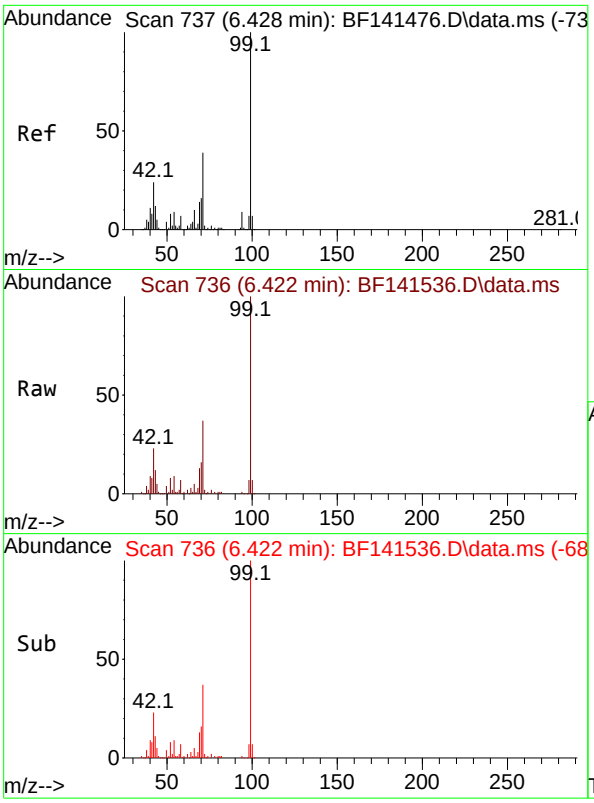


#5
2-Fluorophenol
Concen: 32.048 ng
RT: 5.404 min Scan# 563
Delta R.T. -0.006 min
Lab File: BF141536.D
Acq: 10 Feb 2025 15:57

Tgt Ion:112 Resp: 149509

Ion	Ratio	Lower	Upper
112	100		
64	61.5	51.1	76.7
63	34.2	28.4	42.6



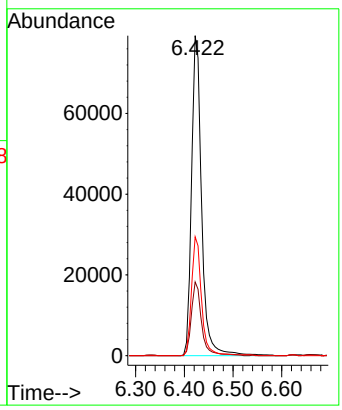


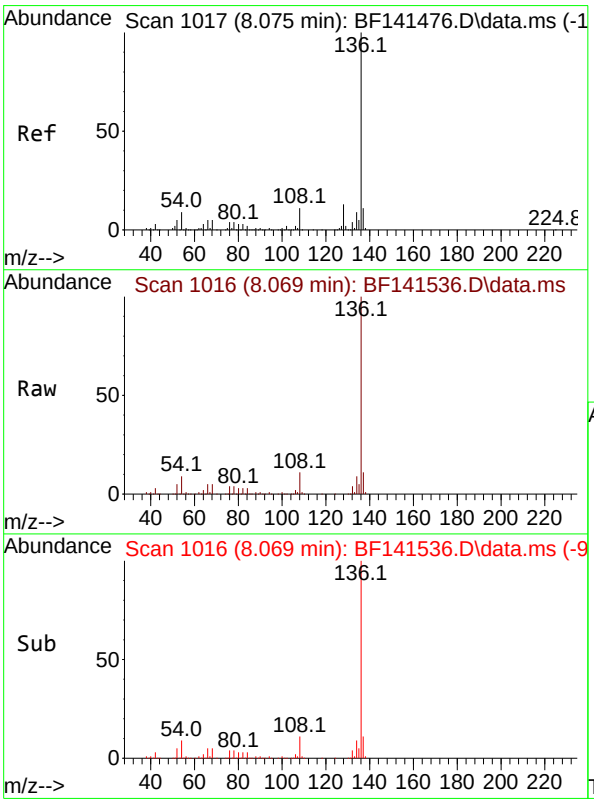
#7
Phenol-d6
Concen: 19.423 ng
RT: 6.422 min Scan# 7
Delta R.T. -0.017 min
Lab File: BF141536.D
Acq: 10 Feb 2025 15:57

Instrument :
BNA_F
ClientSampleId :
MANHOLE

Tgt Ion: 99 Resp: 114523

Ion	Ratio	Lower	Upper
99	100		
42	23.0	19.1	28.7
71	37.1	31.1	46.7

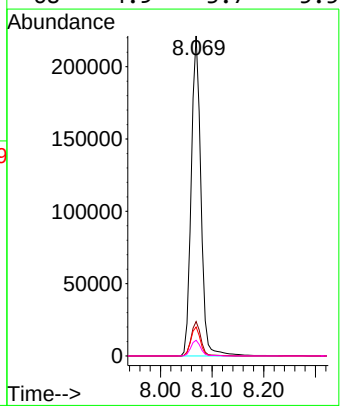


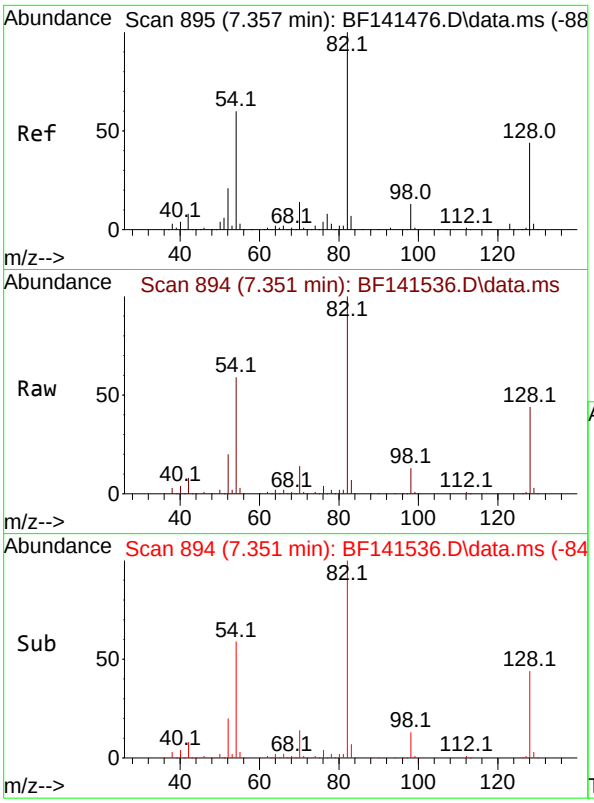


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF141536.D
Acq: 10 Feb 2025 15:57

Tgt Ion:136 Resp: 289023

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	9.1	7.2	10.8
68	4.9	3.7	5.5



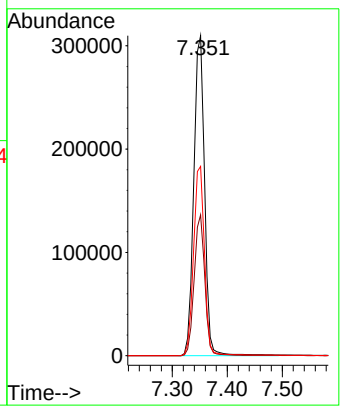


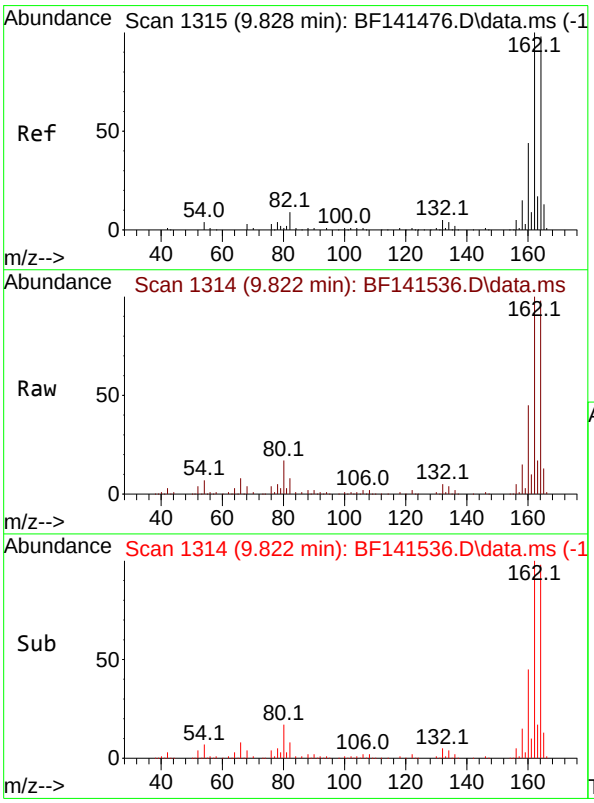
#23
Nitrobenzene-d5
Concen: 76.439 ng
RT: 7.351 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141536.D
Acq: 10 Feb 2025 15:57

Instrument :
BNA_F
ClientSampleId :
MANHOLE

Tgt Ion: 82 Resp: 423571

Ion	Ratio	Lower	Upper
82	100		
128	44.0	34.8	52.2
54	59.2	48.2	72.4

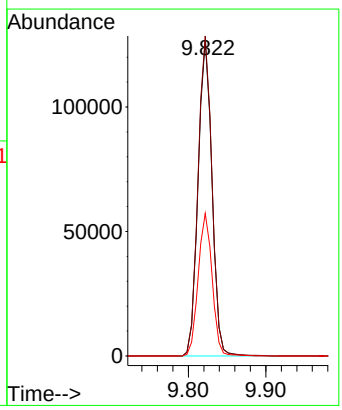


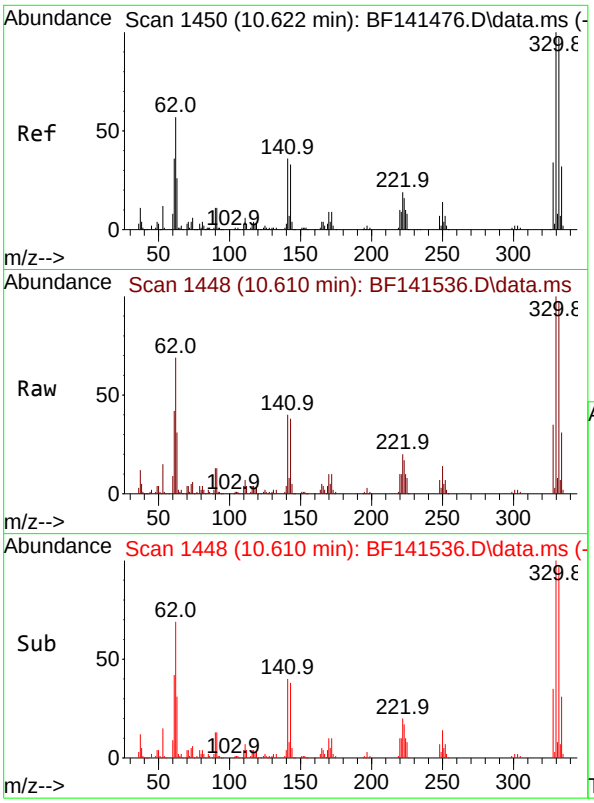


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF141536.D
Acq: 10 Feb 2025 15:57

Tgt Ion:164 Resp: 157501

Ion	Ratio	Lower	Upper
164	100		
162	101.6	81.3	121.9
160	45.3	35.9	53.9



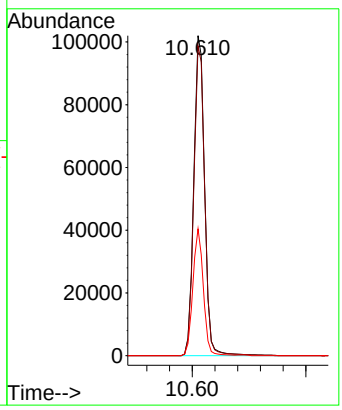


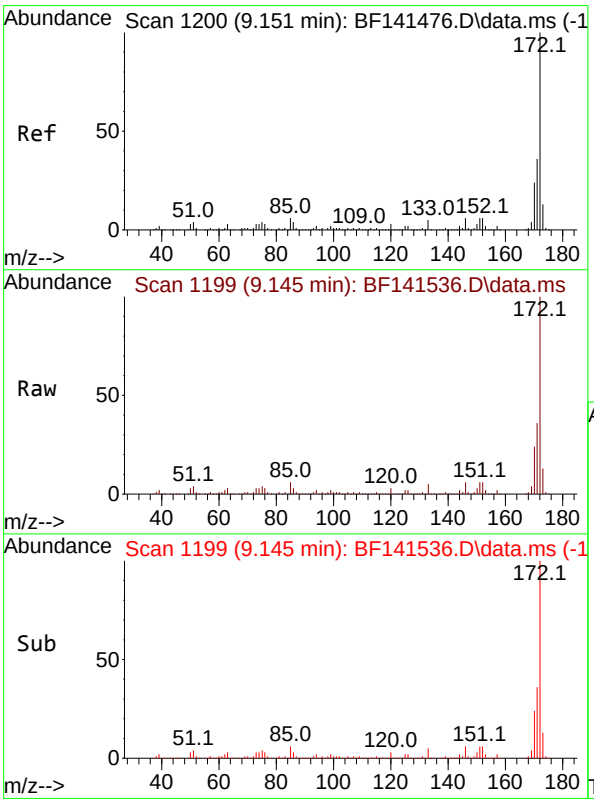
#42
2,4,6-Tribromophenol
Concen: 85.747 ng
RT: 10.610 min Scan# 14
Delta R.T. -0.017 min
Lab File: BF141536.D
Acq: 10 Feb 2025 15:57

Instrument :
BNA_F
ClientSampleId :
MANHOLE

Tgt Ion:330 Resp: 135666

Ion	Ratio	Lower	Upper
330	100		
332	97.0	78.5	117.7
141	38.3	31.0	46.4

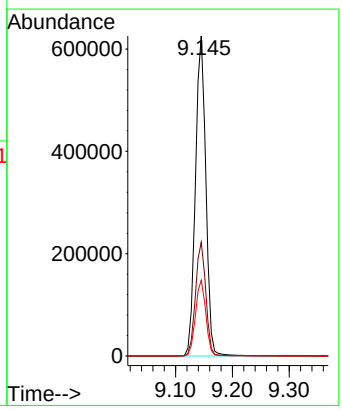


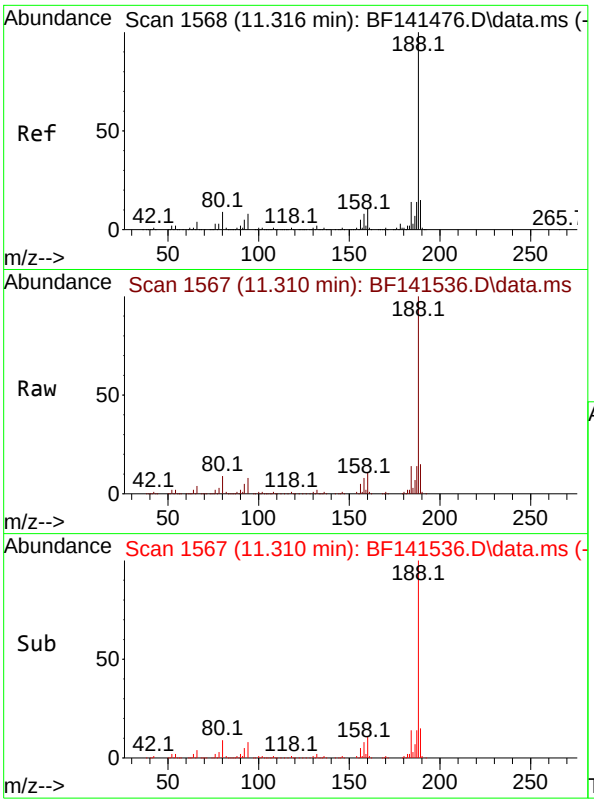


#45
2-Fluorobiphenyl
Concen: 78.364 ng
RT: 9.145 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BF141536.D
Acq: 10 Feb 2025 15:57

Tgt Ion:172 Resp: 801121

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.7	43.1
170	23.7	18.9	28.3



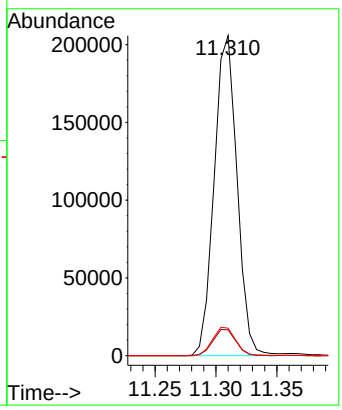


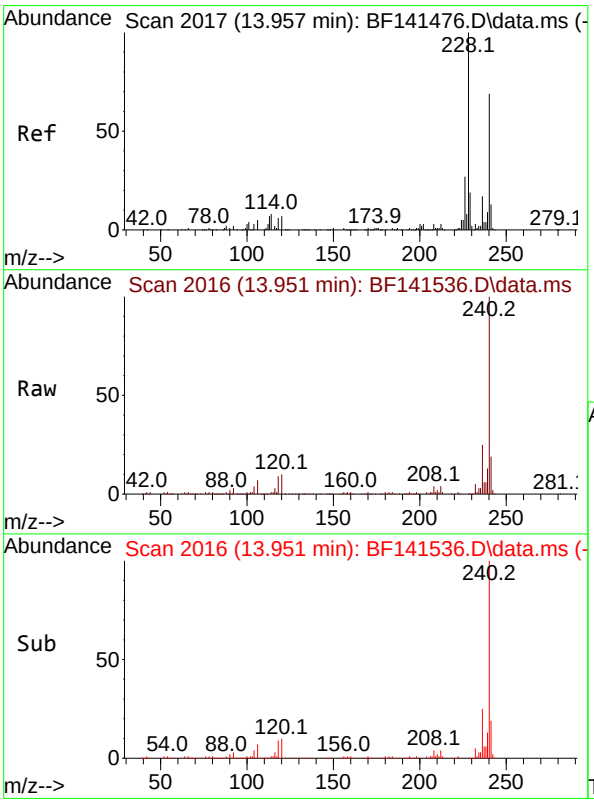
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141536.D
Acq: 10 Feb 2025 15:57

Instrument :
BNA_F
ClientSampleId :
MANHOLE

Tgt Ion:188 Resp: 269181

Ion	Ratio	Lower	Upper
188	100		
94	8.1	6.6	10.0
80	8.6	7.3	10.9

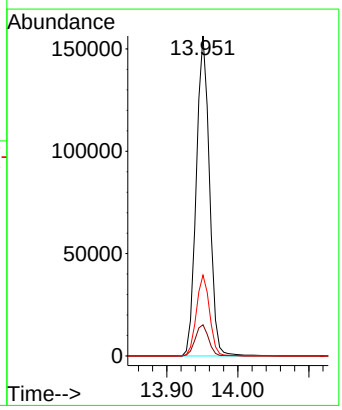


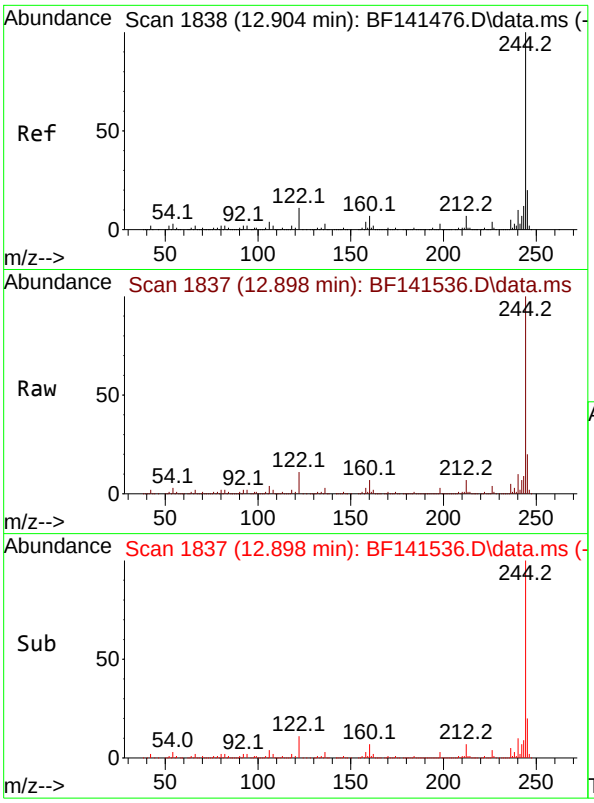


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.012 min
Lab File: BF141536.D
Acq: 10 Feb 2025 15:57

Tgt Ion:240 Resp: 202540

Ion	Ratio	Lower	Upper
240	100		
120	9.8	8.0	12.0
236	25.3	19.8	29.8



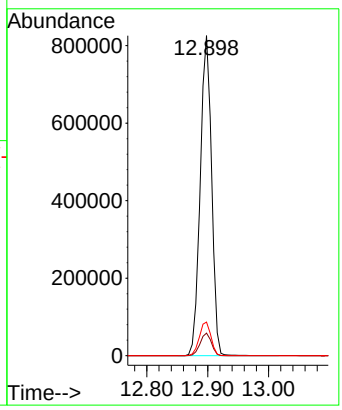


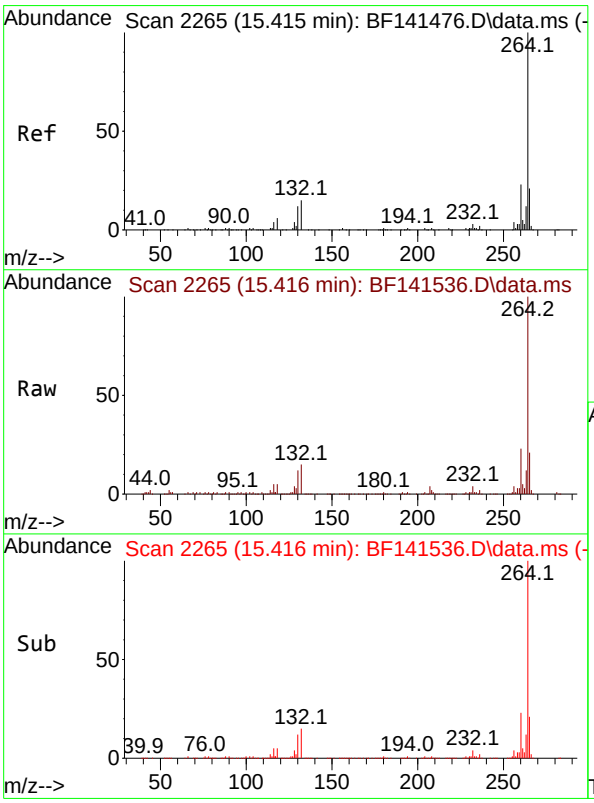
#79
Terphenyl-d14
Concen: 89.151 ng
RT: 12.898 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141536.D
Acq: 10 Feb 2025 15:57

Instrument :
BNA_F
ClientSampleId :
MANHOLE

Tgt Ion:244 Resp: 1069592

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.6	8.4
122	10.5	8.4	12.6

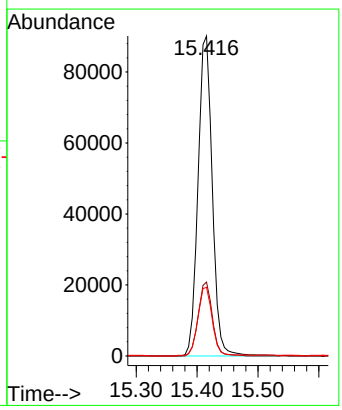




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.416 min Scan# 2265
Delta R.T. 0.000 min
Lab File: BF141536.D
Acq: 10 Feb 2025 15:57

Tgt Ion:264 Resp: 146679

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.6	28.0
265	21.5	17.0	25.4



CALIBRATION SUMMARY

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: SPEC01

Lab Code: CHEM Case No.: Q1322 SAS No.: Q1322 SDG No.: Q1322

Instrument ID: BNA_F Calibration Date(s): 02/06/2025 02/06/2025

Calibration Time(s): 11:07 14:14

LAB FILE ID: RRF2.5 = BF141472.D RRF005 = BF141473.D RRF010 = BF141474.D
RRF020 = BF141475.D RRF040 = BF141476.D RRF050 = BF141477.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorophenol		1.235	1.290	1.365	1.289	1.273	1.276	3.8
Phenol-d6		1.619	1.629	1.704	1.613	1.599	1.612	3.1
Nitrobenzene-d5		0.380	0.379	0.396	0.385	0.378	0.383	1.6
2-Fluorobiphenyl		1.373	1.360	1.385	1.269	1.241	1.298	5.6
2,4,6-Tribromophenol		0.201	0.200	0.210	0.200	0.199	0.201	2.1
Terphenyl-d14		1.129	1.104	1.211	1.198	1.209	1.185	4.1
Bis(2-ethylhexyl)phthalate		0.593	0.610	0.685	0.689	0.680	0.665	6.7

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-BF020625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Feb 06 16:58:59 2025
Response Via : Initial Calibration

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

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

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

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

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

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

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141472.D
Acq On : 06 Feb 2025 11:07
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Feb 06 16:00:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	91402	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	372084	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	206500	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	361595	20.000	ng	0.00
76) Chrysene-d12	13.951	240	309941	20.000	ng	-0.01
86) Perylene-d12	15.410	264	259363	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...	7.192	70	10850	2.462	ng	92

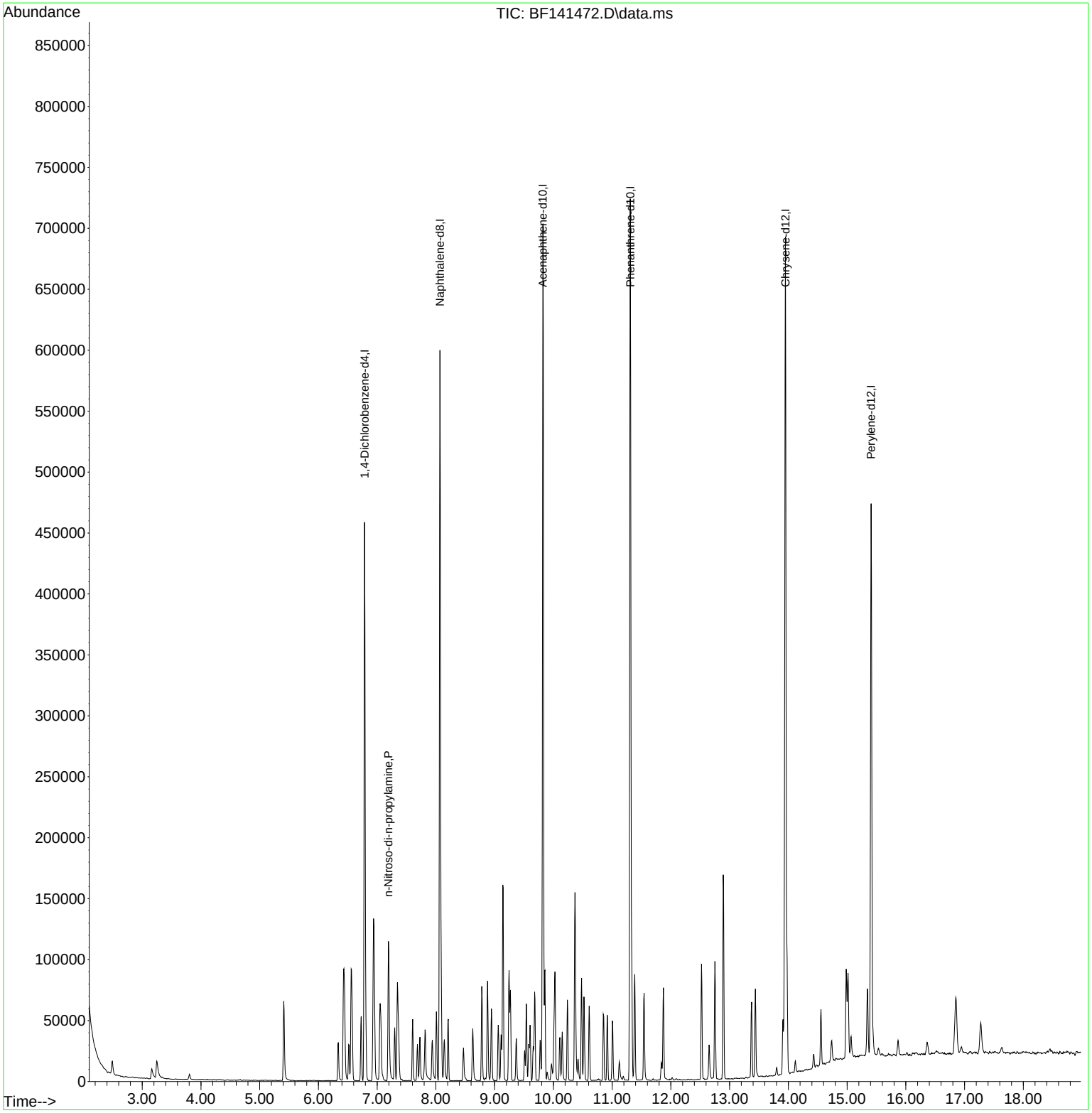
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141472.D
Acq On : 06 Feb 2025 11:07
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Feb 06 16:00:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141473.D
Acq On : 06 Feb 2025 11:34
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: Feb 06 16:00:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.787	152	89396	20.000	ng		0.00
21) Naphthalene-d8	8.069	136	358966	20.000	ng		0.00
39) Acenaphthene-d10	9.822	164	199514	20.000	ng		-0.01
64) Phenanthrene-d10	11.310	188	351213	20.000	ng		0.00
76) Chrysene-d12	13.951	240	295087	20.000	ng		-0.01
86) Perylene-d12	15.410	264	233325	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.410	112	55200	9.680	ng		0.00
7) Phenol-d6	6.422	99	72376	10.042	ng		-0.02
23) Nitrobenzene-d5	7.345	82	68257	9.918	ng		-0.02
42) 2,4,6-Tribromophenol	10.610	330	20060	10.009	ng		-0.02
45) 2-Fluorobiphenyl	9.145	172	136925	10.573	ng		0.00
79) Terphenyl-d14	12.892	244	166601	9.531	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	2.487	88	11419	4.976	ng		95
3) Pyridine	3.228	79	23540	4.310	ng		97
4) n-Nitrosodimethylamine	3.152	42	16481	4.558	ng	#	96
6) Aniline	6.445	93	32993	4.880	ng		97
8) 2-Chlorophenol	6.575	128	31263	5.074	ng		99
9) Benzaldehyde	6.334	77	19944	5.207	ng		94
10) Phenol	6.440	94	37833	5.044	ng		97
11) bis(2-Chloroethyl)ether	6.522	93	28203	5.006	ng		97
12) 1,3-Dichlorobenzene	6.728	146	32913	5.060	ng		99
13) 1,4-Dichlorobenzene	6.804	146	34555	5.199	ng		97
14) 1,2-Dichlorobenzene	6.957	146	31141	5.049	ng		96
15) Benzyl Alcohol	6.928	79	26612	4.815	ng		96
16) 2,2'-oxybis(1-Chloropr...	7.063	45	49667	5.150	ng		99
17) 2-Methylphenol	7.045	107	24939	5.173	ng		96
18) Hexachloroethane	7.298	117	12043	4.896	ng		98
19) n-Nitroso-di-n-propyla...	7.192	70	21865	5.072	ng		97
20) 3+4-Methylphenols	7.198	107	32221	5.258	ng		94
22) Acetophenone	7.192	105	46441	5.201	ng		95
24) Nitrobenzene	7.363	77	33173	4.943	ng		99
25) Isophorone	7.604	82	54796	4.993	ng		99
26) 2-Nitrophenol	7.687	139	15331	4.592	ng		97
27) 2,4-Dimethylphenol	7.728	122	18659	4.784	ng		99
28) bis(2-Chloroethoxy)met...	7.816	93	34469	4.902	ng		100
29) 2,4-Dichlorophenol	7.934	162	25667	4.870	ng		97
30) 1,2,4-Trichlorobenzene	8.010	180	29321	5.109	ng		96
31) Naphthalene	8.092	128	95730	5.123	ng		99
33) 4-Chloroaniline	8.145	127	31729	4.864	ng		98
34) Hexachlorobutadiene	8.210	225	17323	5.028	ng		98
35) Caprolactam	8.475	113	7437	4.635	ng		94
36) 4-Chloro-3-methylphenol	8.628	107	27818	4.765	ng		98
37) 2-Methylnaphthalene	8.781	142	61742	5.078	ng		97
38) 1-Methylnaphthalene	8.881	142	61026	5.182	ng		98
40) 1,2,4,5-Tetrachloroben...	8.945	216	29023	5.028	ng		98
43) 2,4,6-Trichlorophenol	9.063	196	18144	4.863	ng		99
44) 2,4,5-Trichlorophenol	9.110	196	19204	4.750	ng		98
46) 1,1'-Biphenyl	9.245	154	78931	5.103	ng		100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141473.D
Acq On : 06 Feb 2025 11:34
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: Feb 06 16:00:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration

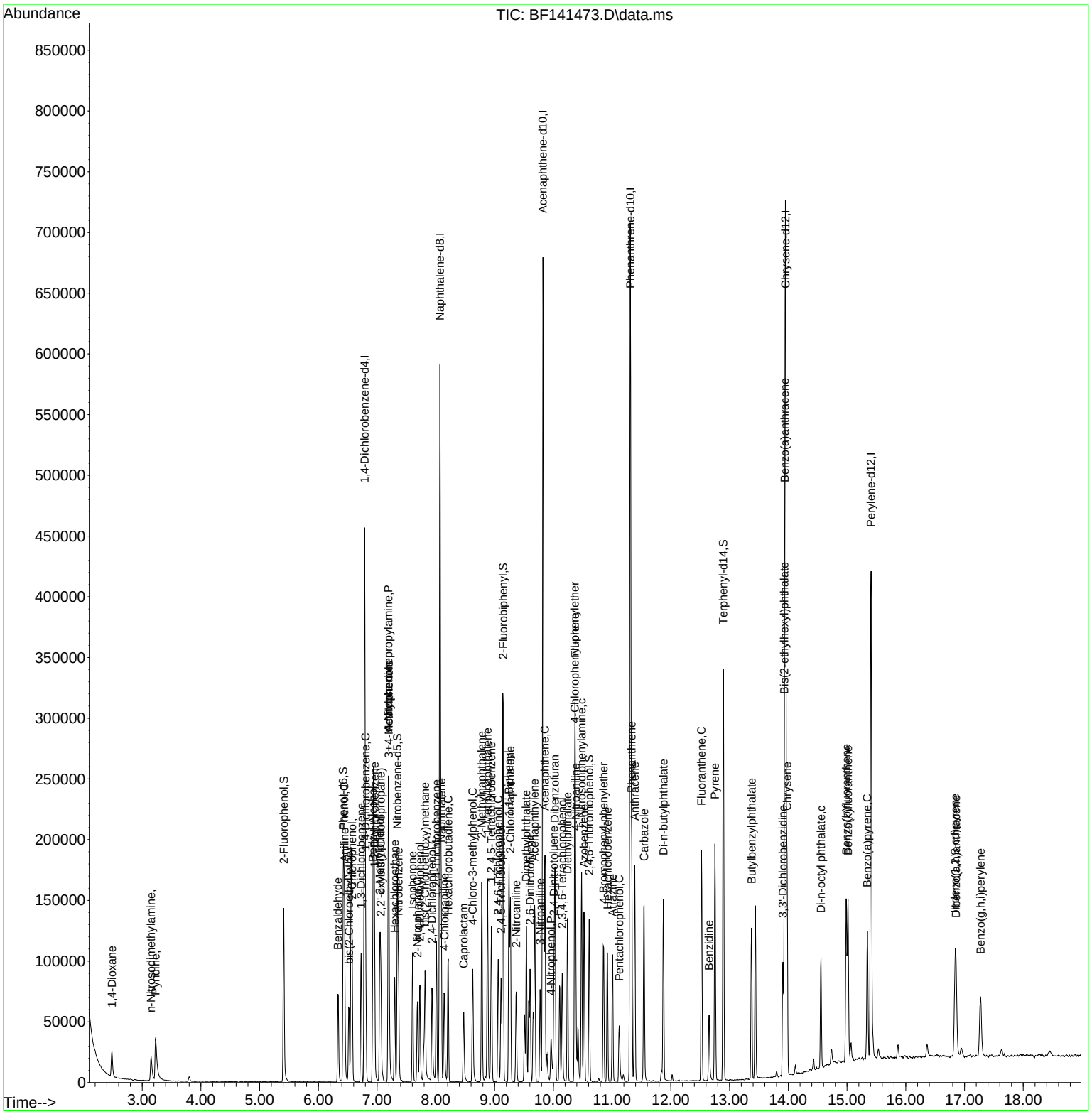
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
47) 2-Chloronaphthalene	9.269	162	58201	5.088	ng		100
48) 2-Nitroaniline	9.369	65	18494	4.818	ng		98
49) Acenaphthylene	9.681	152	86721	5.097	ng		100
50) Dimethylphthalate	9.539	163	68921	5.088	ng		99
51) 2,6-Dinitrotoluene	9.604	165	14394	4.861	ng		94
52) Acenaphthene	9.857	154	59139	5.171	ng		99
53) 3-Nitroaniline	9.775	138	15563	4.884	ng		98
55) Dibenzofuran	10.028	168	88178	5.252	ng		99
56) 4-Nitrophenol	9.963	139	9482	4.008	ng		94
57) 2,4-Dinitrotoluene	10.010	165	19087	4.842	ng	#	96
58) Fluorene	10.369	166	67764	5.220	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.151	232	16570	4.760	ng		99
60) Diethylphthalate	10.239	149	69845	5.241	ng		99
61) 4-Chlorophenyl-phenyle...	10.363	204	32951	5.277	ng		99
62) 4-Nitroaniline	10.381	138	15711	4.855	ng		95
63) Azobenzene	10.522	77	67256	5.077	ng		99
66) n-Nitrosodiphenylamine	10.481	169	57063	5.076	ng		98
67) 4-Bromophenyl-phenylether	10.857	248	20012	5.098	ng		99
68) Hexachlorobenzene	10.922	284	20138	4.982	ng		98
69) Atrazine	11.010	200	17519	5.194	ng		93
70) Pentachlorophenol	11.122	266	10151	3.928	ng		98
71) Phenanthrene	11.333	178	100202	5.183	ng		100
72) Anthracene	11.386	178	102596	5.279	ng		98
73) Carbazole	11.545	167	89721	5.131	ng		100
74) Di-n-butylphthalate	11.875	149	102296	5.066	ng		100
75) Fluoranthene	12.522	202	109883	5.361	ng		98
77) Benzidine	12.651	184	34946	5.370	ng		99
78) Pyrene	12.751	202	112700	4.486	ng		100
80) Butylbenzylphthalate	13.374	149	38714	4.449	ng		98
81) Benzo(a)anthracene	13.939	228	101861	5.193	ng		99
82) 3,3'-Dichlorobenzidine	13.910	252	29306	5.216	ng		98
83) Chrysene	13.980	228	87555	4.834	ng		100
84) Bis(2-ethylhexyl)phtha...	13.933	149	43735	4.457	ng		98
85) Di-n-octyl phthalate	14.557	149	59200	4.229	ng		100
87) Indeno(1,2,3-cd)pyrene	16.839	276	57572	3.993	ng		99
88) Benzo(b)fluoranthene	14.986	252	75033	4.789	ng		99
89) Benzo(k)fluoranthene	15.016	252	64919	4.853	ng		98
90) Benzo(a)pyrene	15.345	252	63295	4.993	ng		98
91) Dibenzo(a,h)anthracene	16.857	278	46421	3.974	ng		98
92) Benzo(g,h,i)perylene	17.274	276	46952	3.841	ng		99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141473.D
Acq On : 06 Feb 2025 11:34
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: Feb 06 16:00:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141474.D
Acq On : 06 Feb 2025 12:00
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 06 16:00:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.787	152	88879	20.000	ng		0.00
21) Naphthalene-d8	8.069	136	361197	20.000	ng		0.00
39) Acenaphthene-d10	9.822	164	200046	20.000	ng		-0.01
64) Phenanthrene-d10	11.310	188	347312	20.000	ng		0.00
76) Chrysene-d12	13.957	240	284792	20.000	ng		0.00
86) Perylene-d12	15.416	264	215900	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.410	112	114669	20.227	ng		0.00
7) Phenol-d6	6.422	99	144805	20.209	ng		-0.02
23) Nitrobenzene-d5	7.345	82	136996	19.783	ng		-0.02
42) 2,4,6-Tribromophenol	10.610	330	40073	19.941	ng		-0.02
45) 2-Fluorobiphenyl	9.145	172	271988	20.947	ng		0.00
79) Terphenyl-d14	12.898	244	314541	18.645	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.481	88	23063	10.108	ng		95
3) Pyridine	3.216	79	53532	9.859	ng		99
4) n-Nitrosodimethylamine	3.146	42	34386	9.564	ng	#	97
6) Aniline	6.446	93	68661	10.215	ng		92
8) 2-Chlorophenol	6.575	128	62679	10.232	ng		99
9) Benzaldehyde	6.334	77	44111	11.585	ng		99
10) Phenol	6.440	94	74689	10.015	ng		96
11) bis(2-Chloroethyl)ether	6.522	93	54627	9.752	ng		98
12) 1,3-Dichlorobenzene	6.728	146	65850	10.182	ng		98
13) 1,4-Dichlorobenzene	6.804	146	68330	10.341	ng		97
14) 1,2-Dichlorobenzene	6.957	146	63948	10.428	ng		99
15) Benzyl Alcohol	6.928	79	55580	10.115	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.063	45	99782	10.406	ng		98
17) 2-Methylphenol	7.045	107	48375	10.092	ng		97
18) Hexachloroethane	7.298	117	24233	9.910	ng		98
19) n-Nitroso-di-n-propyla...	7.192	70	43762	10.210	ng		97
20) 3+4-Methylphenols	7.198	107	62949	10.332	ng		96
22) Acetophenone	7.192	105	90614	10.085	ng	#	97
24) Nitrobenzene	7.363	77	67032	9.927	ng		96
25) Isophorone	7.604	82	107242	9.712	ng		99
26) 2-Nitrophenol	7.687	139	31590	9.403	ng		97
27) 2,4-Dimethylphenol	7.728	122	38303	9.759	ng		98
28) bis(2-Chloroethoxy)met...	7.816	93	70458	9.958	ng		97
29) 2,4-Dichlorophenol	7.934	162	51883	9.784	ng		99
30) 1,2,4-Trichlorobenzene	8.010	180	57937	10.033	ng		97
31) Naphthalene	8.092	128	188046	10.002	ng		99
32) Benzoic acid	7.810	122	33645	8.253	ng		98
33) 4-Chloroaniline	8.145	127	63529	9.678	ng		98
34) Hexachlorobutadiene	8.210	225	34431	9.932	ng		98
35) Caprolactam	8.481	113	15331	9.495	ng		98
36) 4-Chloro-3-methylphenol	8.628	107	58441	9.949	ng		99
37) 2-Methylnaphthalene	8.781	142	124517	10.177	ng		99
38) 1-Methylnaphthalene	8.881	142	118722	10.019	ng		98
40) 1,2,4,5-Tetrachloroben...	8.945	216	58800	10.160	ng		98
41) Hexachlorocyclopentadiene	8.934	237	13785	7.161	ng		91
43) 2,4,6-Trichlorophenol	9.063	196	36558	9.773	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141474.D
Acq On : 06 Feb 2025 12:00
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

Quant Time: Feb 06 16:00:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	40697	10.039	ng		97
46) 1,1'-Biphenyl	9.245	154	156431	10.086	ng		99
47) 2-Chloronaphthalene	9.269	162	116119	10.125	ng		99
48) 2-Nitroaniline	9.369	65	37155	9.653	ng		96
49) Acenaphthylene	9.686	152	173644	10.179	ng		99
50) Dimethylphthalate	9.545	163	135886	10.006	ng		100
51) 2,6-Dinitrotoluene	9.604	165	29006	9.770	ng		96
52) Acenaphthene	9.857	154	116461m	10.155	ng		
53) 3-Nitroaniline	9.775	138	31330	9.805	ng		100
54) 2,4-Dinitrophenol	9.886	184	13341	7.561	ng		98
55) Dibenzofuran	10.028	168	172206	10.230	ng		98
56) 4-Nitrophenol	9.957	139	21569	9.093	ng		96
57) 2,4-Dinitrotoluene	10.010	165	40306	10.198	ng		93
58) Fluorene	10.369	166	136110	10.458	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.151	232	36102	10.344	ng	#	96
60) Diethylphthalate	10.245	149	134593	10.073	ng		99
61) 4-Chlorophenyl-phenyle...	10.363	204	64305	10.270	ng		97
62) 4-Nitroaniline	10.386	138	31934	9.842	ng		98
63) Azobenzene	10.522	77	132968	10.010	ng		99
65) 4,6-Dinitro-2-methylph...	10.422	198	20074	8.320	ng		98
66) n-Nitrosodiphenylamine	10.481	169	113408	10.201	ng		98
67) 4-Bromophenyl-phenylether	10.857	248	38257	9.856	ng		97
68) Hexachlorobenzene	10.922	284	40715	10.186	ng		98
69) Atrazine	11.010	200	35287	10.580	ng		98
70) Pentachlorophenol	11.122	266	22735	8.895	ng		98
71) Phenanthrene	11.333	178	196586	10.283	ng		99
72) Anthracene	11.386	178	195528	10.174	ng		99
73) Carbazole	11.545	167	178223	10.306	ng		99
74) Di-n-butylphthalate	11.875	149	200806	10.057	ng		100
75) Fluoranthene	12.522	202	215218	10.618	ng		99
77) Benzidine	12.651	184	69402	11.050	ng		98
78) Pyrene	12.751	202	221721	9.146	ng		99
80) Butylbenzylphthalate	13.374	149	76852	9.152	ng		100
81) Benzo(a)anthracene	13.945	228	189705	10.021	ng		99
82) 3,3'-Dichlorobenzidine	13.910	252	58487	10.785	ng		99
83) Chrysene	13.980	228	174103	9.960	ng		98
84) Bis(2-ethylhexyl)phtha...	13.933	149	86853	9.171	ng		98
85) Di-n-octyl phthalate	14.563	149	115875	8.576	ng		100
87) Indeno(1,2,3-cd)pyrene	16.851	276	111083	8.327	ng		98
88) Benzo(b)fluoranthene	14.998	252	151861	10.476	ng		98
89) Benzo(k)fluoranthene	15.021	252	131265	10.604	ng		99
90) Benzo(a)pyrene	15.357	252	115948	9.885	ng		99
91) Dibenzo(a,h)anthracene	16.868	278	89400	8.271	ng		99
92) Benzo(g,h,i)perylene	17.286	276	93242	8.243	ng		99

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

ICAL Form

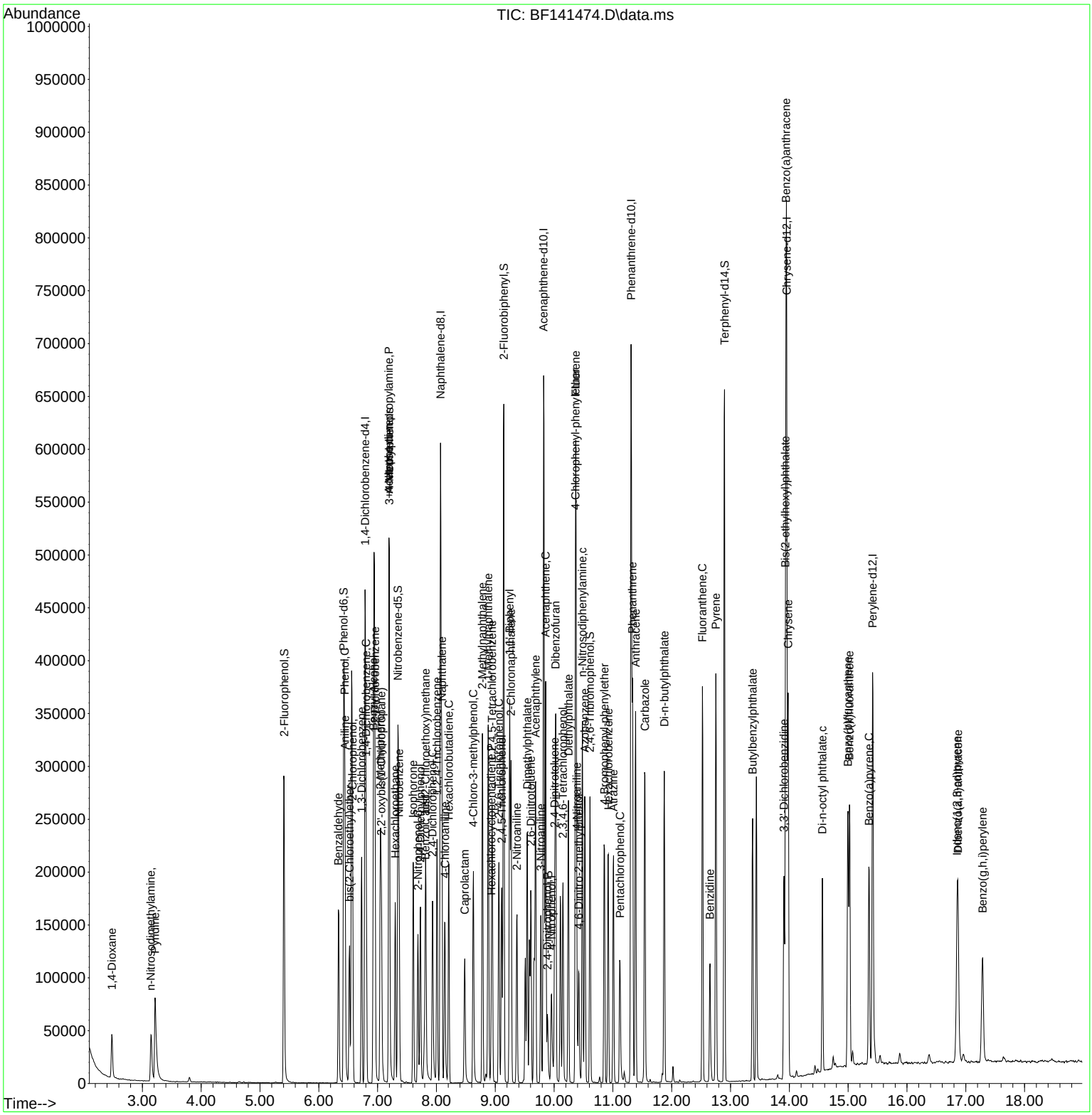
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141474.D
Acq On : 06 Feb 2025 12:00
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 06 16:00:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141475.D
Acq On : 06 Feb 2025 12:26
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

Quant Time: Feb 06 16:00:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	86149	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	348017	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	193091	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	333651	20.000	ng	0.00
76) Chrysene-d12	13.957	240	251741	20.000	ng	0.00
86) Perylene-d12	15.416	264	191435	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	235106	42.785	ng	0.00
7) Phenol-d6	6.422	99	293602	42.273	ng	-0.02
23) Nitrobenzene-d5	7.351	82	275773	41.331	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	80912	41.714	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	534841	42.674	ng	0.00
79) Terphenyl-d14	12.898	244	609819	40.894	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.481	88	45027	20.359	ng	98
3) Pyridine	3.211	79	112903	21.453	ng	96
4) n-Nitrosodimethylamine	3.152	42	70658	20.276	ng	98
6) Aniline	6.446	93	142156	21.820	ng	97
8) 2-Chlorophenol	6.575	128	124573	20.980	ng	98
9) Benzaldehyde	6.340	77	84531	22.903	ng	98
10) Phenol	6.440	94	156515	21.652	ng	96
11) bis(2-Chloroethyl)ether	6.522	93	111675	20.568	ng	98
12) 1,3-Dichlorobenzene	6.728	146	133906	21.362	ng	99
13) 1,4-Dichlorobenzene	6.804	146	135357	21.134	ng	99
14) 1,2-Dichlorobenzene	6.957	146	126931	21.354	ng	99
15) Benzyl Alcohol	6.928	79	113901	21.386	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.063	45	199281	21.441	ng	99
17) 2-Methylphenol	7.046	107	96607	20.792	ng	99
18) Hexachloroethane	7.298	117	50745	21.409	ng	99
19) n-Nitroso-di-n-propyla...	7.199	70	89512	21.546	ng	99
20) 3+4-Methylphenols	7.199	107	125707	21.287	ng	91
22) Acetophenone	7.199	105	181333	20.946	ng	100
24) Nitrobenzene	7.369	77	133285	20.485	ng	99
25) Isophorone	7.604	82	220291	20.706	ng	99
26) 2-Nitrophenol	7.687	139	66195	20.449	ng	98
27) 2,4-Dimethylphenol	7.728	122	76751	20.296	ng	97
28) bis(2-Chloroethoxy)met...	7.822	93	142151	20.852	ng	99
29) 2,4-Dichlorophenol	7.934	162	108456	21.227	ng	97
30) 1,2,4-Trichlorobenzene	8.010	180	115050	20.678	ng	100
31) Naphthalene	8.093	128	381547	21.062	ng	99
32) Benzoic acid	7.828	122	75462	19.212	ng	99
33) 4-Chloroaniline	8.146	127	132911	21.014	ng	98
34) Hexachlorobutadiene	8.210	225	69492	20.804	ng	98
35) Caprolactam	8.498	113	32746	21.050	ng	97
36) 4-Chloro-3-methylphenol	8.628	107	119021	21.029	ng	99
37) 2-Methylnaphthalene	8.781	142	250365	21.238	ng	98
38) 1-Methylnaphthalene	8.881	142	240408	21.056	ng	99
40) 1,2,4,5-Tetrachloroben...	8.945	216	115936	20.753	ng	99
41) Hexachlorocyclopentadiene	8.934	237	34729	18.691	ng	97
43) 2,4,6-Trichlorophenol	9.063	196	75161	20.817	ng	98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141475.D
Acq On : 06 Feb 2025 12:26
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 06 16:00:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	83112	21.240	ng	97
46) 1,1'-Biphenyl	9.245	154	315040	21.045	ng	99
47) 2-Chloronaphthalene	9.269	162	233789	21.119	ng	99
48) 2-Nitroaniline	9.369	65	75990	20.455	ng	99
49) Acenaphthylene	9.687	152	345829	21.004	ng	99
50) Dimethylphthalate	9.545	163	271920	20.744	ng	100
51) 2,6-Dinitrotoluene	9.610	165	60700	21.182	ng	98
52) Acenaphthene	9.857	154	229442m	20.728	ng	
53) 3-Nitroaniline	9.781	138	64626	20.954	ng	96
54) 2,4-Dinitrophenol	9.887	184	32186	18.898	ng	98
55) Dibenzofuran	10.028	168	342620	21.087	ng	100
56) 4-Nitrophenol	9.951	139	47721	20.843	ng	96
57) 2,4-Dinitrotoluene	10.016	165	79865	20.936	ng	95
58) Fluorene	10.375	166	265810	21.159	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.151	232	69328	20.579	ng	100
60) Diethylphthalate	10.245	149	270018	20.936	ng	100
61) 4-Chlorophenyl-phenyle...	10.369	204	127216	21.049	ng	97
62) 4-Nitroaniline	10.387	138	64262	20.519	ng	98
63) Azobenzene	10.528	77	267372	20.853	ng	98
65) 4,6-Dinitro-2-methylph...	10.422	198	46877	20.226	ng	99
66) n-Nitrosodiphenylamine	10.487	169	224776	21.045	ng	99
67) 4-Bromophenyl-phenylether	10.857	248	78167	20.962	ng	97
68) Hexachlorobenzene	10.922	284	80301	20.913	ng	97
69) Atrazine	11.010	200	71359	22.271	ng	97
70) Pentachlorophenol	11.122	266	50539	20.584	ng	98
71) Phenanthrene	11.339	178	387256	21.085	ng	99
72) Anthracene	11.386	178	386414	20.930	ng	100
73) Carbazole	11.545	167	358987	21.610	ng	99
74) Di-n-butylphthalate	11.875	149	408041	21.273	ng	100
75) Fluoranthene	12.528	202	414712	21.298	ng	99
77) Benzidine	12.651	184	84013	15.132	ng	98
78) Pyrene	12.757	202	432216	20.169	ng	99
80) Butylbenzylphthalate	13.375	149	152184	20.502	ng	99
81) Benzo(a)anthracene	13.945	228	339877	20.310	ng	100
82) 3,3'-Dichlorobenzidine	13.910	252	102367	21.355	ng	98
83) Chrysene	13.980	228	330823	21.411	ng	100
84) Bis(2-ethylhexyl)phtha...	13.939	149	172352	20.588	ng	99
85) Di-n-octyl phthalate	14.563	149	229060	19.180	ng	99
87) Indeno(1,2,3-cd)pyrene	16.857	276	227105	19.200	ng	99
88) Benzo(b)fluoranthene	14.998	252	267695	20.826	ng	100
89) Benzo(k)fluoranthene	15.022	252	238695	21.747	ng	97
90) Benzo(a)pyrene	15.357	252	213510	20.528	ng	100
91) Dibenzo(a,h)anthracene	16.868	278	185740	19.379	ng	98
92) Benzo(g,h,i)perylene	17.286	276	191595	19.103	ng	99

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

ICAL Form

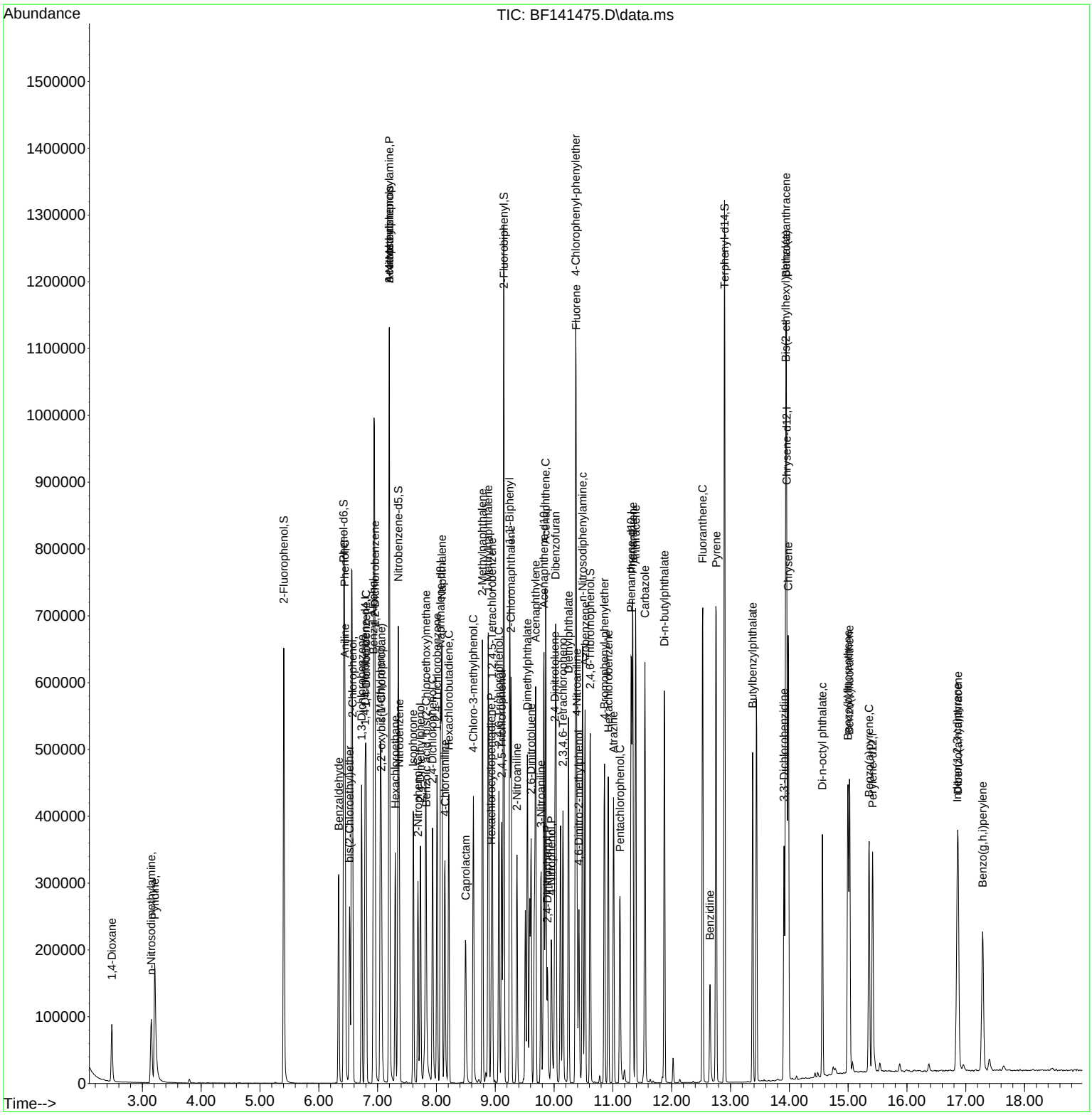
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141475.D
Acq On : 06 Feb 2025 12:26
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 06 16:00:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141476.D
Acq On : 06 Feb 2025 12:55
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Feb 06 16:00:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	89095	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	351555	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	193385	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	336425	20.000	ng	0.00
76) Chrysene-d12	13.957	240	225462	20.000	ng	0.00
86) Perylene-d12	15.415	264	182907	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	459422	80.841	ng	0.00
7) Phenol-d6	6.428	99	574808	80.025	ng	-0.01
23) Nitrobenzene-d5	7.357	82	540793	80.234	ng	0.00
42) 2,4,6-Tribromophenol	10.622	330	154725	79.647	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	981440	78.189	ng	0.00
79) Terphenyl-d14	12.904	244	1080174	80.879	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.481	88	92090	40.262	ng	100
3) Pyridine	3.210	79	225032	41.344	ng	100
4) n-Nitrosodimethylamine	3.163	42	145802	40.456	ng	100
6) Aniline	6.451	93	274102	40.681	ng	100
8) 2-Chlorophenol	6.581	128	245676	40.008	ng	100
9) Benzaldehyde	6.339	77	146382	38.350	ng	100
10) Phenol	6.445	94	300315	40.171	ng	100
11) bis(2-Chloroethyl)ether	6.528	93	225665	40.188	ng	100
12) 1,3-Dichlorobenzene	6.728	146	256806	39.613	ng	100
13) 1,4-Dichlorobenzene	6.804	146	262121	39.574	ng	100
14) 1,2-Dichlorobenzene	6.963	146	244757	39.814	ng	100
15) Benzyl Alcohol	6.934	79	224961	40.841	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.069	45	385739	40.130	ng	100
17) 2-Methylphenol	7.051	107	191970	39.951	ng	100
18) Hexachloroethane	7.298	117	98581	40.215	ng	100
19) n-Nitroso-di-n-propyla...	7.204	70	172712	40.198	ng	100
20) 3+4-Methylphenols	7.204	107	244439	40.024	ng	100
22) Acetophenone	7.198	105	346731	39.649	ng	100
24) Nitrobenzene	7.375	77	263188	40.044	ng	100
25) Isophorone	7.610	82	429323	39.948	ng	100
26) 2-Nitrophenol	7.686	139	135355	41.394	ng	100
27) 2,4-Dimethylphenol	7.728	122	156665	41.012	ng	100
28) bis(2-Chloroethoxy)met...	7.822	93	276730	40.185	ng	100
29) 2,4-Dichlorophenol	7.939	162	208390	40.375	ng	100
30) 1,2,4-Trichlorobenzene	8.016	180	222679	39.619	ng	100
31) Naphthalene	8.092	128	729358	39.856	ng	100
32) Benzoic acid	7.857	122	161196	40.625	ng	100
33) 4-Chloroaniline	8.151	127	255749	40.029	ng	100
34) Hexachlorobutadiene	8.210	225	135140	40.051	ng	100
35) Caprolactam	8.516	113	65155	41.461	ng	100
36) 4-Chloro-3-methylphenol	8.633	107	231344	40.464	ng	100
37) 2-Methylnaphthalene	8.786	142	470332	39.496	ng	100
38) 1-Methylnaphthalene	8.886	142	461189	39.987	ng	100
40) 1,2,4,5-Tetrachloroben...	8.951	216	225938	40.383	ng	100
41) Hexachlorocyclopentadiene	8.939	237	78762	42.325	ng	100
43) 2,4,6-Trichlorophenol	9.063	196	145682	40.288	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141476.D
Acq On : 06 Feb 2025 12:55
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Feb 06 16:00:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration

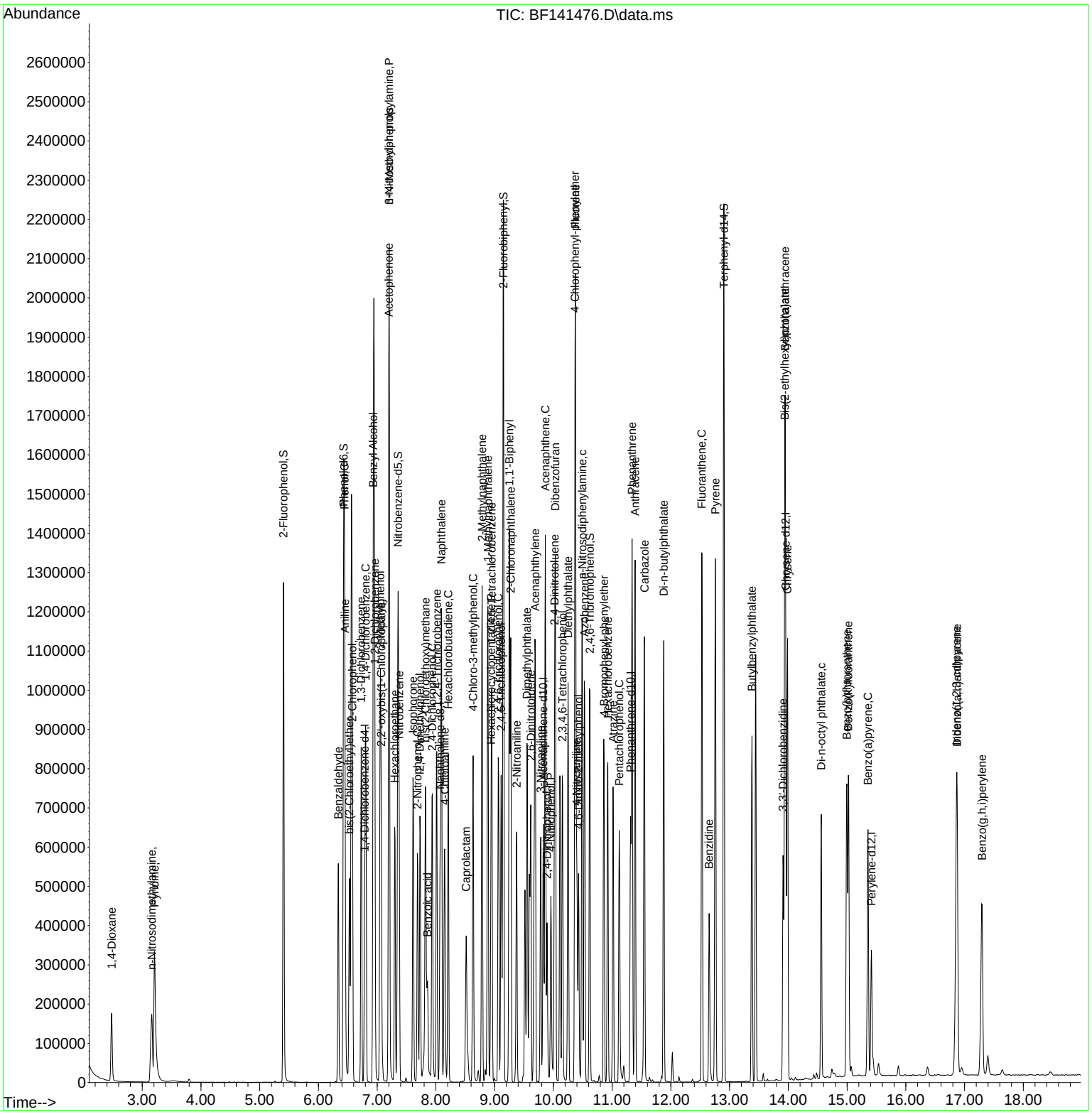
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	158685	40.492	ng	100
46) 1,1'-Biphenyl	9.251	154	597404	39.846	ng	100
47) 2-Chloronaphthalene	9.275	162	438926	39.590	ng	100
48) 2-Nitroaniline	9.375	65	150922	40.563	ng	100
49) Acenaphthylene	9.692	152	656124	39.789	ng	100
50) Dimethylphthalate	9.551	163	520384	39.638	ng	100
51) 2,6-Dinitrotoluene	9.616	165	116338	40.536	ng	100
52) Acenaphthene	9.863	154	445515	40.186	ng	100
53) 3-Nitroaniline	9.786	138	123530	39.991	ng	100
54) 2,4-Dinitrophenol	9.892	184	68489	40.153	ng	100
55) Dibenzofuran	10.033	168	647242	39.775	ng	100
56) 4-Nitrophenol	9.957	139	96456	42.065	ng	100
57) 2,4-Dinitrotoluene	10.022	165	153824	40.262	ng	100
58) Fluorene	10.375	166	498929	39.654	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.157	232	134581	39.888	ng	100
60) Diethylphthalate	10.251	149	514358	39.821	ng	100
61) 4-Chlorophenyl-phenyle...	10.369	204	240707	39.767	ng	100
62) 4-Nitroaniline	10.398	138	129392	41.253	ng	100
63) Azobenzene	10.527	77	512692	39.926	ng	100
65) 4,6-Dinitro-2-methylph...	10.427	198	95521	40.874	ng	100
66) n-Nitrosodiphenylamine	10.492	169	421937	39.180	ng	100
67) 4-Bromophenyl-phenylether	10.863	248	148603	39.522	ng	100
68) Hexachlorobenzene	10.927	284	152664	39.430	ng	100
69) Atrazine	11.016	200	124494	38.533	ng	100
70) Pentachlorophenol	11.122	266	103806	41.930	ng	100
71) Phenanthrene	11.339	178	729585	39.397	ng	100
72) Anthracene	11.392	178	728337	39.125	ng	100
73) Carbazole	11.551	167	663523	39.613	ng	100
74) Di-n-butylphthalate	11.880	149	767961	39.706	ng	100
75) Fluoranthene	12.527	202	774369	39.441	ng	100
77) Benzidine	12.651	184	238261	47.917	ng	100
78) Pyrene	12.757	202	786956	41.002	ng	100
80) Butylbenzylphthalate	13.380	149	274711	41.323	ng	100
81) Benzo(a)anthracene	13.945	228	606669	40.479	ng	100
82) 3,3'-Dichlorobenzidine	13.910	252	170181	39.640	ng	100
83) Chrysene	13.986	228	541376	39.121	ng	100
84) Bis(2-ethylhexyl)phtha...	13.939	149	310696	41.438	ng	100
85) Di-n-octyl phthalate	14.562	149	435142	40.682	ng	100
87) Indeno(1,2,3-cd)pyrene	16.862	276	471272	41.699	ng	100
88) Benzo(b)fluoranthene	14.998	252	488585	39.783	ng	100
89) Benzo(k)fluoranthene	15.021	252	417770	39.836	ng	100
90) Benzo(a)pyrene	15.357	252	395193	39.767	ng	100
91) Dibenzo(a,h)anthracene	16.874	278	384623	42.001	ng	100
92) Benzo(g,h,i)perylene	17.298	276	402413	41.992	ng	100

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141476.D
Acq On : 06 Feb 2025 12:55
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Feb 06 16:00:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141477.D
Acq On : 06 Feb 2025 13:21
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Feb 06 16:00:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	87860	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	347298	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	190523	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	323702	20.000	ng	0.00
76) Chrysene-d12	13.963	240	205879	20.000	ng	0.00
86) Perylene-d12	15.415	264	174906	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	559309	99.801	ng	0.00
7) Phenol-d6	6.434	99	702435	99.168	ng	0.00
23) Nitrobenzene-d5	7.357	82	657106	98.686	ng	0.00
42) 2,4,6-Tribromophenol	10.622	330	189178	98.845	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	1182292	95.605	ng	0.00
79) Terphenyl-d14	12.904	244	1244053	102.010	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.481	88	110258	48.882	ng	98
3) Pyridine	3.210	79	275985	51.419	ng	100
4) n-Nitrosodimethylamine	3.169	42	183299	51.575	ng	97
6) Aniline	6.457	93	330719	49.774	ng	86
8) 2-Chlorophenol	6.581	128	300380	49.604	ng	98
9) Benzaldehyde	6.340	77	164133	43.605	ng	99
10) Phenol	6.445	94	364380	49.425	ng	98
11) bis(2-Chloroethyl)ether	6.528	93	274892	49.643	ng	98
12) 1,3-Dichlorobenzene	6.728	146	316493	49.506	ng	98
13) 1,4-Dichlorobenzene	6.810	146	321786	49.264	ng	98
14) 1,2-Dichlorobenzene	6.963	146	296834	48.964	ng	99
15) Benzyl Alcohol	6.934	79	274040	50.451	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.069	45	465332	49.091	ng	97
17) 2-Methylphenol	7.051	107	232571	49.081	ng	100
18) Hexachloroethane	7.298	117	122071	50.498	ng	98
19) n-Nitroso-di-n-propyla...	7.210	70	207915	49.072	ng	98
20) 3+4-Methylphenols	7.204	107	295179	49.011	ng	96
22) Acetophenone	7.204	105	419759	48.588	ng	99
24) Nitrobenzene	7.375	77	320155	49.308	ng	100
25) Isophorone	7.616	82	521533	49.123	ng	99
26) 2-Nitrophenol	7.692	139	164623	50.962	ng	96
27) 2,4-Dimethylphenol	7.734	122	189037	50.093	ng	98
28) bis(2-Chloroethoxy)met...	7.822	93	336274	49.430	ng	100
29) 2,4-Dichlorophenol	7.939	162	251518	49.328	ng	99
30) 1,2,4-Trichlorobenzene	8.016	180	270897	48.788	ng	99
31) Naphthalene	8.098	128	878692	48.605	ng	100
32) Benzoic acid	7.863	122	202728	51.719	ng	99
33) 4-Chloroaniline	8.151	127	312251	49.471	ng	99
34) Hexachlorobutadiene	8.210	225	163240	48.971	ng	99
35) Caprolactam	8.522	113	76350	49.180	ng	97
36) 4-Chloro-3-methylphenol	8.633	107	280911	49.736	ng	99
37) 2-Methylnaphthalene	8.786	142	572244	48.643	ng	99
38) 1-Methylnaphthalene	8.886	142	553503	48.579	ng	98
40) 1,2,4,5-Tetrachloroben...	8.951	216	266614	48.369	ng	98
41) Hexachlorocyclopentadiene	8.939	237	97674	53.276	ng	100
43) 2,4,6-Trichlorophenol	9.063	196	177503	49.825	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141477.D
Acq On : 06 Feb 2025 13:21
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Feb 06 16:00:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration

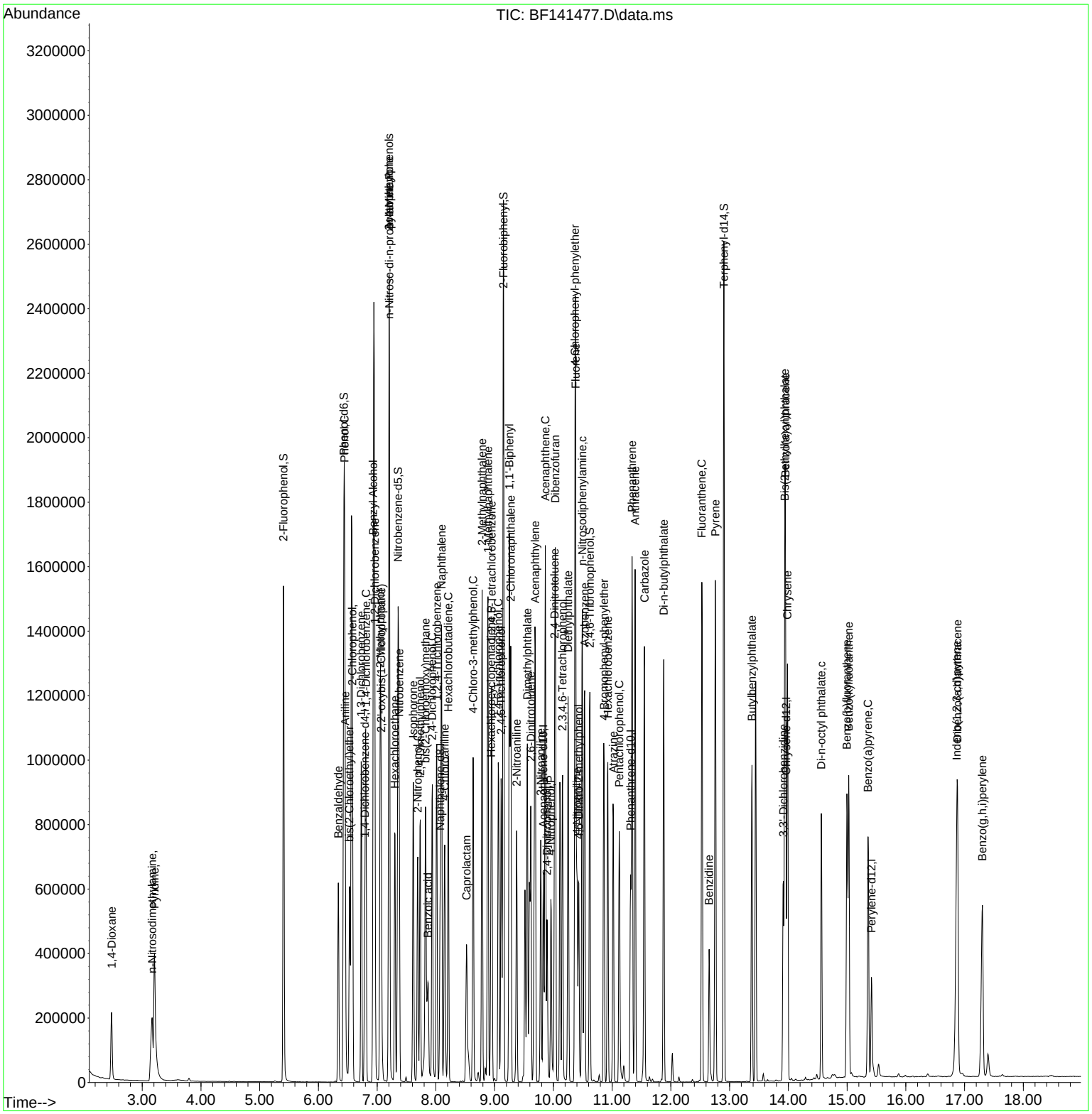
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	187902	48.667	ng	96
46) 1,1'-Biphenyl	9.251	154	722373	48.905	ng	100
47) 2-Chloronaphthalene	9.275	162	530577	48.576	ng	100
48) 2-Nitroaniline	9.375	65	181860	49.612	ng	99
49) Acenaphthylene	9.692	152	790730	48.672	ng	99
50) Dimethylphthalate	9.557	163	630673	48.760	ng	99
51) 2,6-Dinitrotoluene	9.616	165	140697	49.760	ng	98
52) Acenaphthene	9.863	154	527828	48.327	ng	100
53) 3-Nitroaniline	9.786	138	152426	50.087	ng	99
54) 2,4-Dinitrophenol	9.892	184	87953	52.339	ng	97
55) Dibenzofuran	10.033	168	777905	48.523	ng	100
56) 4-Nitrophenol	9.957	139	118835	52.603	ng	99
57) 2,4-Dinitrotoluene	10.022	165	185741	49.346	ng	98
58) Fluorene	10.380	166	590000	47.597	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.157	232	165559	49.807	ng	98
60) Diethylphthalate	10.251	149	619064	48.647	ng	100
61) 4-Chlorophenyl-phenyle...	10.369	204	286530	48.048	ng	99
62) 4-Nitroaniline	10.404	138	151765	49.113	ng	99
63) Azobenzene	10.533	77	616638	48.742	ng	98
65) 4,6-Dinitro-2-methylph...	10.433	198	114725	51.021	ng	97
66) n-Nitrosodiphenylamine	10.492	169	505770	48.810	ng	99
67) 4-Bromophenyl-phenylether	10.863	248	177761	49.135	ng	98
68) Hexachlorobenzene	10.927	284	180930	48.567	ng	98
69) Atrazine	11.022	200	149758	48.175	ng	98
70) Pentachlorophenol	11.122	266	128081	53.769	ng	99
71) Phenanthrene	11.339	178	866517	48.631	ng	100
72) Anthracene	11.392	178	877393	48.984	ng	99
73) Carbazole	11.551	167	781733	48.504	ng	100
74) Di-n-butylphthalate	11.880	149	915782	49.210	ng	100
75) Fluoranthene	12.527	202	913699	48.367	ng	100
77) Benzidine	12.651	184	222606	49.026	ng	99
78) Pyrene	12.757	202	913198	52.106	ng	100
80) Butylbenzylphthalate	13.380	149	310612	51.168	ng	99
81) Benzo(a)anthracene	13.951	228	673785	49.234	ng	100
82) 3,3'-Dichlorobenzidine	13.915	252	186802	47.650	ng	98
83) Chrysene	13.986	228	625572	49.505	ng	100
84) Bis(2-ethylhexyl)phtha...	13.939	149	350121	51.138	ng	100
85) Di-n-octyl phthalate	14.563	149	519741	53.213	ng	99
87) Indeno(1,2,3-cd)pyrene	16.868	276	586584	54.277	ng	99
88) Benzo(b)fluoranthene	14.998	252	590149	50.251	ng	99
89) Benzo(k)fluoranthene	15.027	252	469466	46.814	ng	100
90) Benzo(a)pyrene	15.357	252	467288	49.173	ng	99
91) Dibenzo(a,h)anthracene	16.880	278	477285	54.503	ng	99
92) Benzo(g,h,i)perylene	17.304	276	500274	54.592	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141477.D
Acq On : 06 Feb 2025 13:21
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Feb 06 16:00:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141478.D
Acq On : 06 Feb 2025 13:47
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Feb 06 16:00:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	88704	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	344609	20.000	ng	0.00
39) Acenaphthene-d10	9.827	164	186729	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	321893	20.000	ng	0.00
76) Chrysene-d12	13.962	240	197108	20.000	ng	0.00
86) Perylene-d12	15.415	264	171026	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	672709	118.894	ng	0.00
7) Phenol-d6	6.434	99	843410	117.937	ng	0.00
23) Nitrobenzene-d5	7.357	82	788550	119.351	ng	0.00
42) 2,4,6-Tribromophenol	10.622	330	225049	119.976	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	1410277	116.358	ng	0.00
79) Terphenyl-d14	12.904	244	1459213	124.977	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.481	88	138751	60.929	ng	99
3) Pyridine	3.210	79	335519	61.916	ng	99
4) n-Nitrosodimethylamine	3.175	42	225031	62.715	ng	98
6) Aniline	6.457	93	397494	59.254	ng	99
8) 2-Chlorophenol	6.581	128	358027	58.561	ng	97
9) Benzaldehyde	6.339	77	187887	49.441	ng	100
10) Phenol	6.451	94	437528	58.782	ng	98
11) bis(2-Chloroethyl)ether	6.534	93	335957	60.093	ng	99
12) 1,3-Dichlorobenzene	6.734	146	380433	58.941	ng	98
13) 1,4-Dichlorobenzene	6.810	146	382812	58.050	ng	98
14) 1,2-Dichlorobenzene	6.963	146	357837	58.465	ng	99
15) Benzyl Alcohol	6.939	79	324244	59.125	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.069	45	553943	57.883	ng	91
17) 2-Methylphenol	7.057	107	283563	59.272	ng	97
18) Hexachloroethane	7.304	117	144816	59.337	ng	96
19) n-Nitroso-di-n-propyla...	7.210	70	250412	58.540	ng	99
20) 3+4-Methylphenols	7.210	107	350980	57.722	ng	92
22) Acetophenone	7.204	105	504294	58.828	ng	99
24) Nitrobenzene	7.381	77	387174	60.096	ng	100
25) Isophorone	7.616	82	638004	60.562	ng	99
26) 2-Nitrophenol	7.692	139	199140	62.128	ng	97
27) 2,4-Dimethylphenol	7.733	122	227803	60.836	ng	99
28) bis(2-Chloroethoxy)met...	7.828	93	404195	59.877	ng	100
29) 2,4-Dichlorophenol	7.939	162	301959	59.683	ng	99
30) 1,2,4-Trichlorobenzene	8.016	180	328150	59.561	ng	99
31) Naphthalene	8.098	128	1056367	58.889	ng	100
32) Benzoic acid	7.875	122	250995	64.532	ng	99
33) 4-Chloroaniline	8.151	127	376211	60.070	ng	99
34) Hexachlorobutadiene	8.210	225	197955	59.849	ng	99
35) Caprolactam	8.533	113	94415	61.291	ng	97
36) 4-Chloro-3-methylphenol	8.639	107	335897	59.935	ng	99
37) 2-Methylnaphthalene	8.786	142	688021	58.941	ng	99
38) 1-Methylnaphthalene	8.886	142	661628	58.522	ng	99
40) 1,2,4,5-Tetrachloroben...	8.951	216	321763	59.560	ng	99
41) Hexachlorocyclopentadiene	8.939	237	120063	66.819	ng	100
43) 2,4,6-Trichlorophenol	9.069	196	211702	60.632	ng	98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141478.D
Acq On : 06 Feb 2025 13:47
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Feb 06 16:00:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration

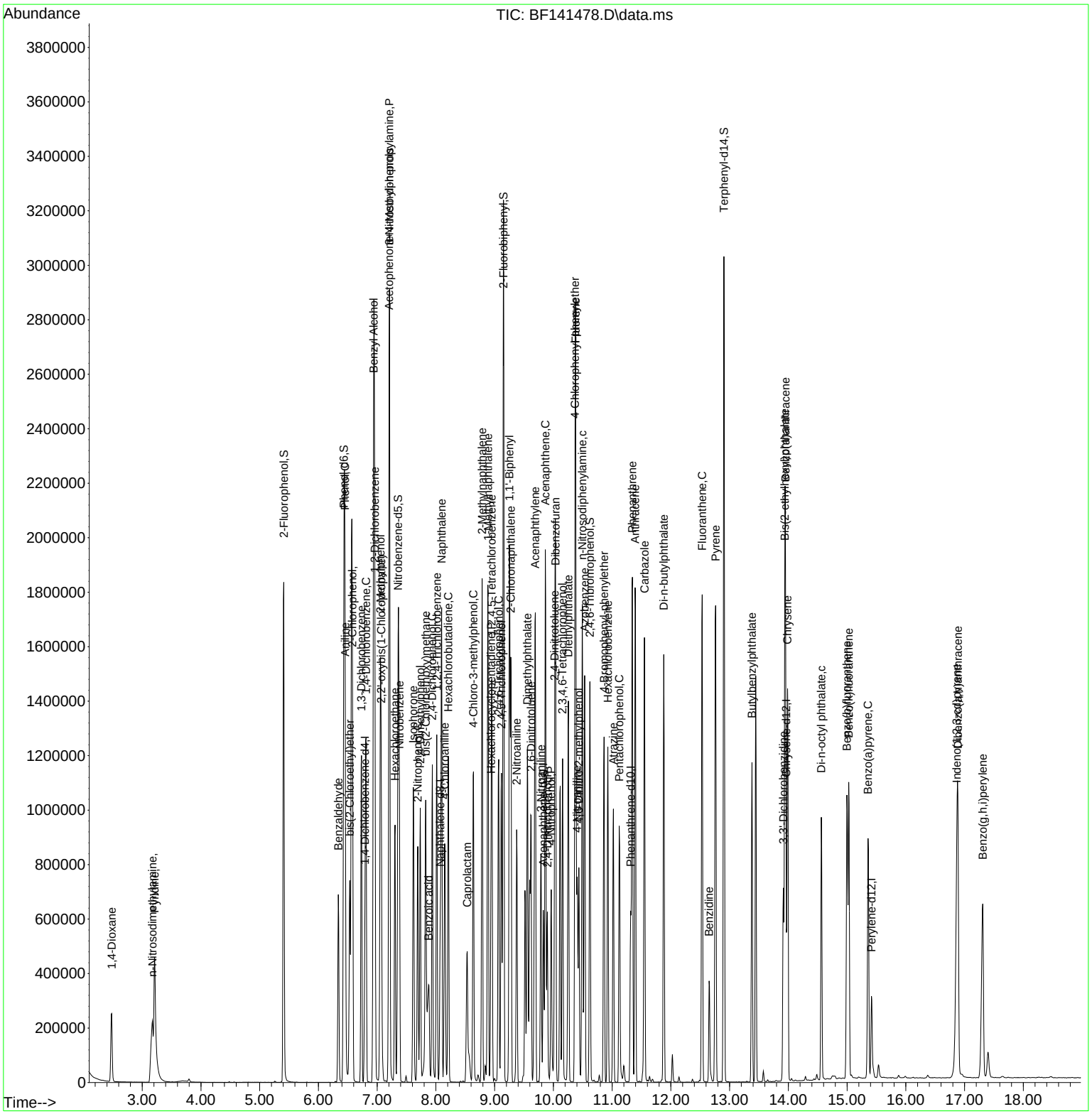
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.116	196	229006	60.519	ng	98
46) 1,1'-Biphenyl	9.251	154	861067	59.479	ng	100
47) 2-Chloronaphthalene	9.275	162	636511	59.459	ng	99
48) 2-Nitroaniline	9.375	65	224709	62.547	ng	99
49) Acenaphthylene	9.692	152	946382	59.436	ng	100
50) Dimethylphthalate	9.557	163	751128	59.253	ng	99
51) 2,6-Dinitrotoluene	9.622	165	167387	60.403	ng	100
52) Acenaphthene	9.863	154	631289	58.974	ng	99
53) 3-Nitroaniline	9.792	138	179664	60.237	ng	100
54) 2,4-Dinitrophenol	9.898	184	111060	67.432	ng	96
55) Dibenzofuran	10.039	168	915117	58.242	ng	100
56) 4-Nitrophenol	9.963	139	143994	65.035	ng	97
57) 2,4-Dinitrotoluene	10.022	165	222091	60.202	ng	99
58) Fluorene	10.380	166	707371	58.225	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.157	232	198636	60.972	ng	99
60) Diethylphthalate	10.257	149	732804	58.755	ng	99
61) 4-Chlorophenyl-phenyle...	10.369	204	342324	58.570	ng	98
62) 4-Nitroaniline	10.404	138	182946	60.406	ng	96
63) Azobenzene	10.533	77	739338	59.629	ng	98
65) 4,6-Dinitro-2-methylph...	10.433	198	140610	62.884	ng	99
66) n-Nitrosodiphenylamine	10.492	169	603914	58.609	ng	99
67) 4-Bromophenyl-phenylether	10.863	248	213385	59.314	ng	98
68) Hexachlorobenzene	10.927	284	220611	59.552	ng	98
69) Atrazine	11.021	200	175824	56.878	ng	99
70) Pentachlorophenol	11.121	266	153971	65.001	ng	100
71) Phenanthrene	11.345	178	1032075	58.248	ng	100
72) Anthracene	11.392	178	1034181	58.062	ng	99
73) Carbazole	11.551	167	927882	57.896	ng	100
74) Di-n-butylphthalate	11.880	149	1087815	58.783	ng	99
75) Fluoranthene	12.533	202	1053887	56.102	ng	100
77) Benzidine	12.651	184	207602	47.757	ng	99
78) Pyrene	12.763	202	1068624	63.687	ng	99
80) Butylbenzylphthalate	13.380	149	368219	63.357	ng	99
81) Benzo(a)anthracene	13.951	228	774318	59.097	ng	100
82) 3,3'-Dichlorobenzidine	13.915	252	208826	55.639	ng	98
83) Chrysene	13.986	228	723815	59.829	ng	100
84) Bis(2-ethylhexyl)phtha...	13.939	149	411979	62.851	ng	100
85) Di-n-octyl phthalate	14.562	149	621505	66.464	ng	100
87) Indeno(1,2,3-cd)pyrene	16.868	276	723493	68.464	ng	100
88) Benzo(b)fluoranthene	14.998	252	695617	60.575	ng	99
89) Benzo(k)fluoranthene	15.027	252	563342	57.449	ng	99
90) Benzo(a)pyrene	15.357	252	561457	60.423	ng	98
91) Dibenzo(a,h)anthracene	16.886	278	584115	68.216	ng	99
92) Benzo(g,h,i)perylene	17.309	276	617241	68.884	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141478.D
Acq On : 06 Feb 2025 13:47
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Feb 06 16:00:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141479.D
Acq On : 06 Feb 2025 14:14
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Feb 06 16:01:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.792	152	90415	20.000	ng		0.00
21) Naphthalene-d8	8.075	136	341252	20.000	ng		0.00
39) Acenaphthene-d10	9.833	164	186230	20.000	ng		0.00
64) Phenanthrene-d10	11.316	188	312902	20.000	ng		0.00
76) Chrysene-d12	13.962	240	184347	20.000	ng		0.00
86) Perylene-d12	15.415	264	170605	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.410	112	878184	152.272	ng		0.00
7) Phenol-d6	6.439	99	1112281	152.591	ng		0.00
23) Nitrobenzene-d5	7.363	82	1048314	160.228	ng		0.00
42) 2,4,6-Tribromophenol	10.627	330	291947	156.058	ng		0.00
45) 2-Fluorobiphenyl	9.151	172	1789795	148.066	ng		0.00
79) Terphenyl-d14	12.904	244	1781602	163.152	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.481	88	181328	78.119	ng		99
3) Pyridine	3.216	79	435462	78.838	ng		99
4) n-Nitrosodimethylamine	3.187	42	301403	82.409	ng		97
6) Aniline	6.463	93	498556	72.913	ng		94
8) 2-Chlorophenol	6.586	128	470975	75.577	ng		99
10) Phenol	6.457	94	567332	74.779	ng		99
11) bis(2-Chloroethyl)ether	6.534	93	454141	79.695	ng		99
12) 1,3-Dichlorobenzene	6.734	146	494180	75.115	ng		99
13) 1,4-Dichlorobenzene	6.810	146	498585	74.175	ng		99
14) 1,2-Dichlorobenzene	6.963	146	464559	74.465	ng		99
15) Benzyl Alcohol	6.939	79	420673	75.258	ng		100
16) 2,2'-oxybis(1-Chloropr...	7.069	45	708318	72.613	ng		77
17) 2-Methylphenol	7.057	107	370173	75.912	ng		97
18) Hexachloroethane	7.304	117	190062	76.402	ng		97
19) n-Nitroso-di-n-propyla...	7.216	70	328097	75.249	ng		98
20) 3+4-Methylphenols	7.216	107	450046	72.613	ng	#	88
22) Acetophenone	7.210	105	652334	76.846	ng		98
24) Nitrobenzene	7.381	77	513249	80.448	ng		98
25) Isophorone	7.622	82	838076	80.337	ng		99
26) 2-Nitrophenol	7.692	139	261386	82.350	ng		98
27) 2,4-Dimethylphenol	7.733	122	300036	80.915	ng		98
28) bis(2-Chloroethoxy)met...	7.828	93	529442	79.203	ng		99
29) 2,4-Dichlorophenol	7.939	162	399027	79.645	ng		98
30) 1,2,4-Trichlorobenzene	8.016	180	428656	78.568	ng		99
31) Naphthalene	8.098	128	1381453	77.769	ng		100
32) Benzoic acid	7.892	122	335418	87.086	ng		98
33) 4-Chloroaniline	8.157	127	504834	81.400	ng		98
34) Hexachlorobutadiene	8.210	225	257532	78.628	ng		100
35) Caprolactam	8.545	113	125619	82.350	ng		97
36) 4-Chloro-3-methylphenol	8.639	107	441925	79.630	ng		98
37) 2-Methylnaphthalene	8.786	142	889774	76.975	ng		100
38) 1-Methylnaphthalene	8.886	142	861860	76.983	ng		99
40) 1,2,4,5-Tetrachloroben...	8.951	216	418579	77.689	ng		99
41) Hexachlorocyclopentadiene	8.939	237	159430	88.965	ng		98
43) 2,4,6-Trichlorophenol	9.069	196	277156	79.591	ng		97
44) 2,4,5-Trichlorophenol	9.116	196	298856	79.189	ng		98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141479.D
Acq On : 06 Feb 2025 14:14
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Feb 06 16:01:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	9.257	154	1100720	76.237	ng	99
47) 2-Chloronaphthalene	9.280	162	821334	76.929	ng	99
48) 2-Nitroaniline	9.380	65	286532	79.969	ng	97
49) Acenaphthylene	9.692	152	1211515	76.291	ng	99
50) Dimethylphthalate	9.563	163	1002121	79.265	ng	99
51) 2,6-Dinitrotoluene	9.622	165	215853	78.101	ng	94
52) Acenaphthene	9.869	154	819818	76.791	ng	99
53) 3-Nitroaniline	9.792	138	235511	79.173	ng	97
54) 2,4-Dinitrophenol	9.904	184	147768	89.960	ng	95
55) Dibenzofuran	10.039	168	1174157	74.928	ng	100
56) 4-Nitrophenol	9.969	139	187131	84.744	ng	97
57) 2,4-Dinitrotoluene	10.027	165	284954	77.449	ng	95
58) Fluorene	10.380	166	909704	75.080	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.163	232	253454	78.006	ng	98
60) Diethylphthalate	10.257	149	945293	75.995	ng	100
61) 4-Chlorophenyl-phenyle...	10.374	204	435522	74.716	ng	99
62) 4-Nitroaniline	10.416	138	241257	79.873	ng	99
63) Azobenzene	10.533	77	963689	77.931	ng	99
65) 4,6-Dinitro-2-methylph...	10.439	198	185427	85.309	ng	99
66) n-Nitrosodiphenylamine	10.498	169	785313	78.404	ng	99
67) 4-Bromophenyl-phenylether	10.863	248	276228	78.988	ng	96
68) Hexachlorobenzene	10.927	284	285111	79.174	ng	97
69) Atrazine	11.021	200	219923	73.188	ng	100
70) Pentachlorophenol	11.127	266	200556	87.100	ng	99
71) Phenanthrene	11.345	178	1312474	76.201	ng	100
72) Anthracene	11.398	178	1322462	76.380	ng	99
73) Carbazole	11.551	167	1168253	74.989	ng	99
74) Di-n-butylphthalate	11.880	149	1382706	76.865	ng	99
75) Fluoranthene	12.533	202	1333237	73.011	ng	100
77) Benzidine	12.657	184	354555	87.207	ng	99
78) Pyrene	12.763	202	1319554	84.086	ng	100
80) Butylbenzylphthalate	13.380	149	459803	84.592	ng	100
81) Benzo(a)anthracene	13.951	228	943291	76.977	ng	100
82) 3,3'-Dichlorobenzidine	13.915	252	263773	75.143	ng	100
83) Chrysene	13.992	228	906415	80.108	ng	100
84) Bis(2-ethylhexyl)phtha...	13.939	149	517884	84.477	ng	99
85) Di-n-octyl phthalate	14.562	149	803601	91.886	ng	100
87) Indeno(1,2,3-cd)pyrene	16.874	276	961023	91.166	ng	100
88) Benzo(b)fluoranthene	15.004	252	865205	75.529	ng	100
89) Benzo(k)fluoranthene	15.033	252	776323	79.364	ng	99
90) Benzo(a)pyrene	15.362	252	742932	80.150	ng	99
91) Dibenzo(a,h)anthracene	16.892	278	773684	90.578	ng	99
92) Benzo(g,h,i)perylene	17.315	276	831418	93.015	ng	99

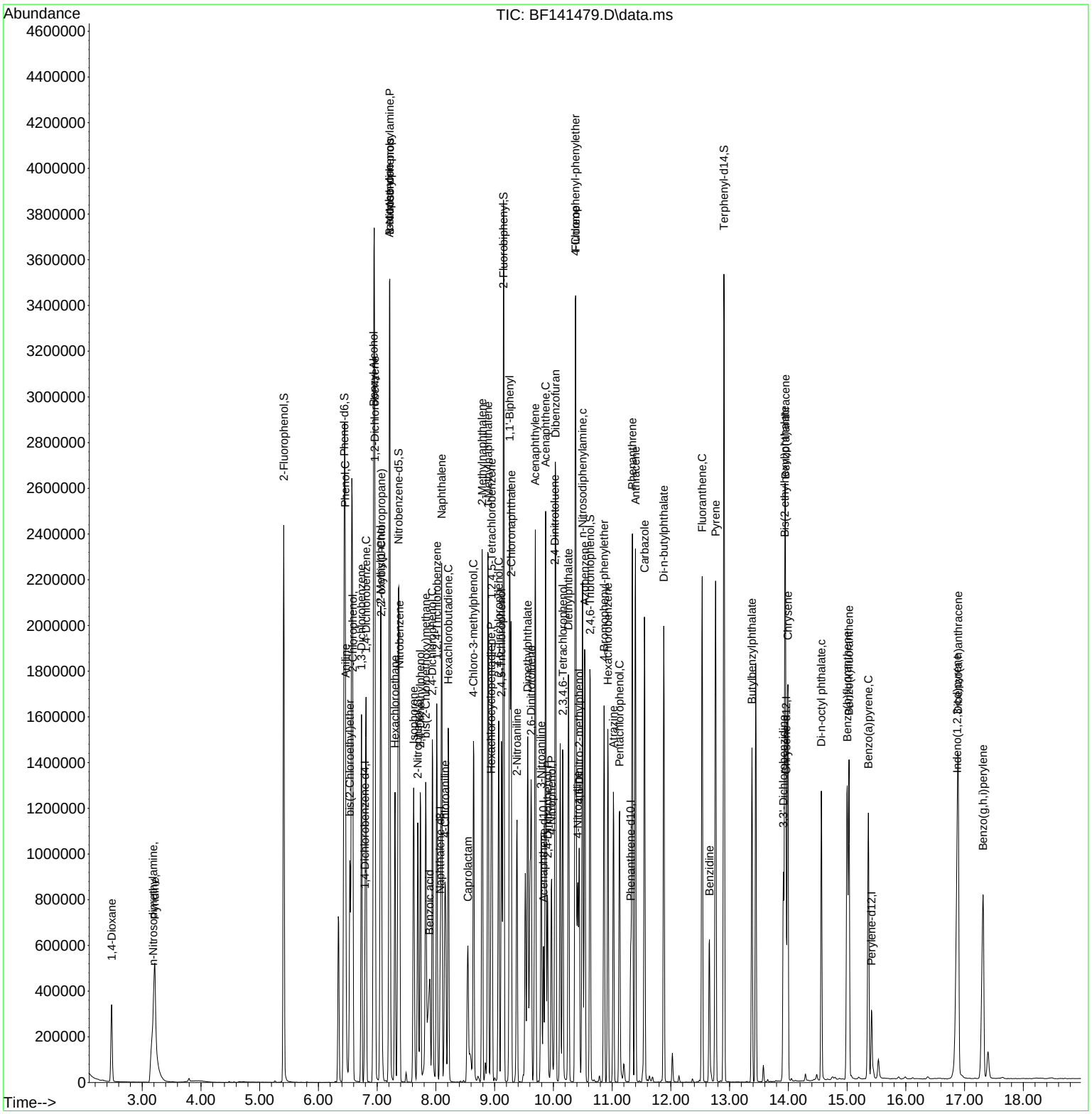
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141479.D
Acq On : 06 Feb 2025 14:14
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Feb 06 16:01:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141480.D
Acq On : 06 Feb 2025 15:03
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Quant Time: Feb 06 16:01:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	90009	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	362467	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	197991	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	337289	20.000	ng	0.00
76) Chrysene-d12	13.963	240	252530	20.000	ng	0.00
86) Perylene-d12	15.427	264	199389	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	470176	81.894	ng	0.00
7) Phenol-d6	6.428	99	586892	80.878	ng	-0.01
23) Nitrobenzene-d5	7.357	82	544613	78.369	ng	0.00
42) 2,4,6-Tribromophenol	10.622	330	158098	79.490	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	1012492	78.786	ng	0.00
79) Terphenyl-d14	12.904	244	1133126	75.750	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.475	88	93282	40.369	ng	99
3) Pyridine	3.205	79	230604	41.938	ng	99
4) n-Nitrosodimethylamine	3.158	42	151656	41.653	ng	97
6) Aniline	6.451	93	284762	41.834	ng	92
8) 2-Chlorophenol	6.575	128	251415	40.527	ng	96
9) Benzaldehyde	6.340	77	154649	40.105	ng	99
10) Phenol	6.446	94	306753	40.615	ng	97
11) bis(2-Chloroethyl)ether	6.528	93	226152	39.866	ng	100
12) 1,3-Dichlorobenzene	6.728	146	264052	40.317	ng	98
13) 1,4-Dichlorobenzene	6.804	146	267068	39.911	ng	99
14) 1,2-Dichlorobenzene	6.957	146	250623	40.354	ng	99
15) Benzyl Alcohol	6.934	79	228379	41.041	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.069	45	393626	40.535	ng	98
17) 2-Methylphenol	7.051	107	197905	40.768	ng	99
18) Hexachloroethane	7.298	117	101687	41.061	ng	99
19) n-Nitroso-di-n-propyla...	7.204	70	173832	40.048	ng	100
20) 3+4-Methylphenols	7.204	107	247254	40.073	ng	98
22) Acetophenone	7.198	105	353867	39.246	ng	100
24) Nitrobenzene	7.375	77	267193	39.429	ng	100
25) Isophorone	7.610	82	440640	39.767	ng	100
26) 2-Nitrophenol	7.687	139	136248	40.413	ng	98
27) 2,4-Dimethylphenol	7.728	122	157242	39.924	ng	99
28) bis(2-Chloroethoxy)met...	7.822	93	282744	39.822	ng	100
29) 2,4-Dichlorophenol	7.934	162	211891	39.818	ng	99
30) 1,2,4-Trichlorobenzene	8.016	180	227379	39.237	ng	100
31) Naphthalene	8.093	128	741255	39.287	ng	100
32) Benzoic acid	7.857	122	164966	40.324	ng	98
33) 4-Chloroaniline	8.145	127	267977	40.680	ng	99
34) Hexachlorobutadiene	8.210	225	139658	40.144	ng	99
35) Caprolactam	8.516	113	66599	41.104	ng	99
36) 4-Chloro-3-methylphenol	8.634	107	235824	40.006	ng	100
37) 2-Methylnaphthalene	8.787	142	475273	38.710	ng	100
38) 1-Methylnaphthalene	8.881	142	464346	39.049	ng	99
40) 1,2,4,5-Tetrachloroben...	8.951	216	230166	40.182	ng	99
41) Hexachlorocyclopentadiene	8.934	237	73834	38.754	ng	97
43) 2,4,6-Trichlorophenol	9.063	196	147770	39.914	ng	99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141480.D
Acq On : 06 Feb 2025 15:03
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Quant Time: Feb 06 16:01:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration

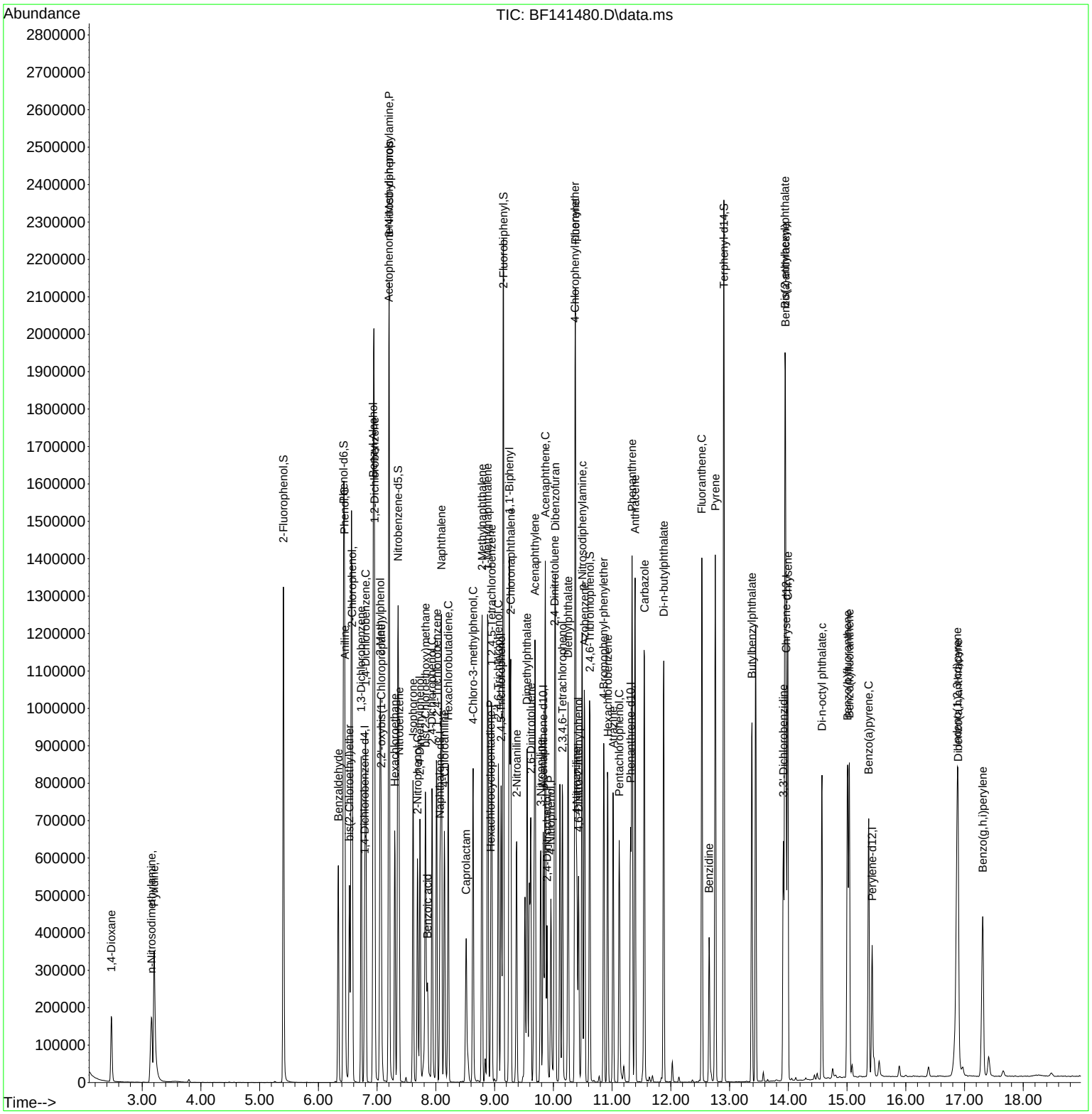
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	160926	40.108	ng	99
46) 1,1'-Biphenyl	9.251	154	606611	39.519	ng	100
47) 2-Chloronaphthalene	9.275	162	447817	39.453	ng	100
48) 2-Nitroaniline	9.375	65	154092	40.451	ng	98
49) Acenaphthylene	9.687	152	670833	39.734	ng	99
50) Dimethylphthalate	9.551	163	530769	39.488	ng	99
51) 2,6-Dinitrotoluene	9.616	165	117431	39.965	ng	99
52) Acenaphthene	9.863	154	452794	39.893	ng	100
53) 3-Nitroaniline	9.787	138	127965	40.463	ng	99
54) 2,4-Dinitrophenol	9.892	184	74461	42.639	ng	97
55) Dibenzofuran	10.034	168	664069	39.860	ng	99
56) 4-Nitrophenol	9.957	139	98990	42.166	ng	99
57) 2,4-Dinitrotoluene	10.022	165	158941	40.633	ng	100
58) Fluorene	10.375	166	508833	39.501	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.157	232	139688	40.438	ng	97
60) Diethylphthalate	10.251	149	521933	39.467	ng	100
61) 4-Chlorophenyl-phenyle...	10.369	204	243659	39.318	ng	98
62) 4-Nitroaniline	10.398	138	132059	41.124	ng	99
63) Azobenzene	10.528	77	522705	39.759	ng	99
65) 4,6-Dinitro-2-methylph...	10.428	198	98944	42.230	ng	98
66) n-Nitrosodiphenylamine	10.492	169	432307	40.040	ng	99
67) 4-Bromophenyl-phenylether	10.857	248	154044	40.864	ng	95
68) Hexachlorobenzene	10.928	284	156075	40.208	ng	99
69) Atrazine	11.016	200	127486	39.358	ng	100
70) Pentachlorophenol	11.122	266	105427	42.476	ng	99
71) Phenanthrene	11.339	178	744761	40.114	ng	100
72) Anthracene	11.392	178	753295	40.362	ng	100
73) Carbazole	11.551	167	676218	40.267	ng	100
74) Di-n-butylphthalate	11.881	149	794101	40.953	ng	100
75) Fluoranthene	12.528	202	807256	41.011	ng	100
77) Benzidine	12.651	184	211734	38.017	ng	100
78) Pyrene	12.757	202	812250	37.784	ng	100
80) Butylbenzylphthalate	13.380	149	311103	41.781	ng	99
81) Benzo(a)anthracene	13.951	228	638036	38.009	ng	100
82) 3,3'-Dichlorobenzidine	13.916	252	185650	38.608	ng	99
83) Chrysene	13.992	228	610091	39.361	ng	100
84) Bis(2-ethylhexyl)phtha...	13.945	149	371434	44.229	ng	100
85) Di-n-octyl phthalate	14.574	149	534947	44.652	ng	100
87) Indeno(1,2,3-cd)pyrene	16.874	276	474949	38.551	ng	99
88) Benzo(b)fluoranthene	15.010	252	526847	39.352	ng	100
89) Benzo(k)fluoranthene	15.039	252	470794	41.182	ng	98
90) Benzo(a)pyrene	15.369	252	427462	39.459	ng	99
91) Dibenzo(a,h)anthracene	16.892	278	388028	38.870	ng	99
92) Benzo(g,h,i)perylene	17.310	276	402566	38.536	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141480.D
Acq On : 06 Feb 2025 15:03
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Quant Time: Feb 06 16:01:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141480.D
Acq On : 06 Feb 2025 15:03
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Quant Time: Feb 06 16:01:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 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	101	0.00
2		1,4-Dioxane	0.513	0.518	-1.0	101	0.00
3		Pyridine	1.222	1.281	-4.8	102	-0.01
4		n-Nitrosodimethylamine	0.809	0.842	-4.1	104	-0.03
5	S	2-Fluorophenol	1.276	1.306	-2.4	102	0.00
6		Aniline	1.513	1.582	-4.6	104	-0.01
7	S	Phenol-d6	1.612	1.630	-1.1	102	-0.01
8		2-Chlorophenol	1.378	1.397	-1.4	102	-0.01
9		Benzaldehyde	0.857	0.859	-0.2	106	0.00
10	C	Phenol	1.678	1.704	-1.5	102	-0.01
11		bis(2-Chloroethyl)ether	1.261	1.256	0.4	100	0.00
12		1,3-Dichlorobenzene	1.455	1.467	-0.8	103	0.00
13	C	1,4-Dichlorobenzene	1.487	1.484	0.2	102	0.00
14		1,2-Dichlorobenzene	1.380	1.392	-0.9	102	0.00
15		Benzyl Alcohol	1.236	1.269	-2.7	102	0.00
16		2,2'-oxybis(1-Chloropropane	2.158	2.187	-1.3	102	0.00
17		2-Methylphenol	1.079	1.099	-1.9	103	0.00
18		Hexachloroethane	0.550	0.565	-2.7	103	0.00
19	P	n-Nitroso-di-n-propylamine	0.964	0.966	-0.2	101	-0.01
20		3+4-Methylphenols	1.371	1.373	-0.1	101	-0.01
21	I	Naphthalene-d8	1.000	1.000	0.0	103	0.00
22		Acetophenone	0.498	0.488	2.0	102	-0.01
23	S	Nitrobenzene-d5	0.383	0.376	1.8	101	0.00
24		Nitrobenzene	0.374	0.369	1.3	102	0.00
25		Isophorone	0.611	0.608	0.5	103	-0.01
26	C	2-Nitrophenol	0.186	0.188	-1.1	101	0.00
27		2,4-Dimethylphenol	0.217	0.217	0.0	100	0.00
28		bis(2-Chloroethoxy)methane	0.392	0.390	0.5	102	0.00
29	C	2,4-Dichlorophenol	0.294	0.292	0.7	102	0.00
30		1,2,4-Trichlorobenzene	0.320	0.314	1.9	102	0.00
31		Naphthalene	1.041	1.023	1.7	102	0.00
32		Benzoic acid	0.226	0.228	-0.9	102	-0.04
33		4-Chloroaniline	0.363	0.370	-1.9	105	-0.01
34	C	Hexachlorobutadiene	0.192	0.193	-0.5	103	0.00
35		Caprolactam	0.089	0.092	-3.4	102	-0.03
36	C	4-Chloro-3-methylphenol	0.325	0.325	0.0	102	0.00
37		2-Methylnaphthalene	0.677	0.656	3.1	101	0.00
38		1-Methylnaphthalene	0.656	0.641	2.3	101	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	102	0.00
40		1,2,4,5-Tetrachlorobenzene	0.579	0.581	-0.3	102	0.00
41	P	Hexachlorocyclopentadiene	0.192	0.186	3.1	94	0.00
42	S	2,4,6-Tribromophenol	0.201	0.200	0.5	102	0.00
43	C	2,4,6-Trichlorophenol	0.374	0.373	0.3	101	0.00
44		2,4,5-Trichlorophenol	0.405	0.406	-0.2	101	0.00
45	S	2-Fluorobiphenyl	1.298	1.278	1.5	103	0.00
46		1,1'-Biphenyl	1.551	1.532	1.2	102	0.00
47		2-Chloronaphthalene	1.147	1.131	1.4	102	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141480.D
Acq On : 06 Feb 2025 15:03
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Quant Time: Feb 06 16:01:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 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	0.385	0.389	-1.0	102	0.00
49		Acenaphthylene	1.705	1.694	0.6	102	0.00
50		Dimethylphthalate	1.358	1.340	1.3	102	-0.01
51		2,6-Dinitrotoluene	0.297	0.297	0.0	101	0.00
52	C	Acenaphthene	1.147	1.143	0.3	102	0.00
53		3-Nitroaniline	0.319	0.323	-1.3	104	0.00
54	P	2,4-Dinitrophenol	0.176	0.188	-6.8	109	-0.01
55		Dibenzofuran	1.683	1.677	0.4	103	0.00
56	P	4-Nitrophenol	0.237	0.250	-5.5	103	-0.01
57		2,4-Dinitrotoluene	0.395	0.401	-1.5	103	0.00
58		Fluorene	1.301	1.285	1.2	102	0.00
59		2,3,4,6-Tetrachlorophenol	0.349	0.353	-1.1	104	0.00
60		Diethylphthalate	1.336	1.318	1.3	101	0.00
61		4-Chlorophenyl-phenylether	0.626	0.615	1.8	101	0.00
62		4-Nitroaniline	0.324	0.333	-2.8	102	-0.02
63		Azobenzene	1.328	1.320	0.6	102	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	100	0.00
65		4,6-Dinitro-2-methylphenol	0.139	0.147	-5.8	104	-0.01
66	c	n-Nitrosodiphenylamine	0.640	0.641	-0.2	102	0.00
67		4-Bromophenyl-phenylether	0.224	0.228	-1.8	104	0.00
68		Hexachlorobenzene	0.230	0.231	-0.4	102	0.00
69		Atrazine	0.192	0.189	1.6	102	0.00
70	C	Pentachlorophenol	0.147	0.156	-6.1	102	0.00
71		Phenanthrene	1.101	1.104	-0.3	102	0.00
72		Anthracene	1.107	1.117	-0.9	103	0.00
73		Carbazole	0.996	1.002	-0.6	102	0.00
74		Di-n-butylphthalate	1.150	1.177	-2.3	103	0.00
75	C	Fluoranthene	1.167	1.197	-2.6	104	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	112	0.00
77		Benzidine	0.441	0.419	5.0	89	0.00
78		Pyrene	1.703	1.608	5.6	103	0.00
79	S	Terphenyl-d14	1.185	1.122	5.3	105	0.00
80		Butylbenzylphthalate	0.590	0.616	-4.4	113	0.00
81		Benzo(a)anthracene	1.329	1.263	5.0	105	0.00
82		3,3'-Dichlorobenzidine	0.381	0.368	3.4	109	0.00
83		Chrysene	1.228	1.208	1.6	113	0.00
84		Bis(2-ethylhexyl)phthalate	0.665	0.735	-10.5	120	0.00
85	c	Di-n-octyl phthalate	0.949	1.059	-11.6	123	0.01
86	I	Perylene-d12	1.000	1.000	0.0	109	0.01
87		Indeno(1,2,3-cd)pyrene	1.236	1.191	3.6	101	0.00
88		Benzo(b)fluoranthene	1.343	1.321	1.6	108	0.00
89		Benzo(k)fluoranthene	1.147	1.181	-3.0	113	0.00
90	C	Benzo(a)pyrene	1.087	1.072	1.4	108	0.00
91		Dibenzo(a,h)anthracene	1.001	0.973	2.8	101	0.00
92		Benzo(g,h,i)perylene	1.048	1.009	3.7	100	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141480.D
Acq On : 06 Feb 2025 15:03
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Quant Time: Feb 06 16:01:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 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\BF020625\
Data File : BF141480.D
Acq On : 06 Feb 2025 15:03
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Quant Time: Feb 06 16:01:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 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	101	0.00
2		1,4-Dioxane	40.000	40.369	-0.9	101	0.00
3		Pyridine	40.000	41.938	-4.8	102	-0.01
4		n-Nitrosodimethylamine	40.000	41.653	-4.1	104	-0.03
5	S	2-Fluorophenol	80.000	81.894	-2.4	102	0.00
6		Aniline	40.000	41.834	-4.6	104	-0.01
7	S	Phenol-d6	80.000	80.878	-1.1	102	-0.01
8		2-Chlorophenol	40.000	40.527	-1.3	102	-0.01
9		Benzaldehyde	40.000	40.105	-0.3	106	0.00
10	C	Phenol	40.000	40.615	-1.5	102	-0.01
11		bis(2-Chloroethyl)ether	40.000	39.866	0.3	100	0.00
12		1,3-Dichlorobenzene	40.000	40.317	-0.8	103	0.00
13	C	1,4-Dichlorobenzene	40.000	39.911	0.2	102	0.00
14		1,2-Dichlorobenzene	40.000	40.354	-0.9	102	0.00
15		Benzyl Alcohol	40.000	41.041	-2.6	102	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	40.535	-1.3	102	0.00
17		2-Methylphenol	40.000	40.768	-1.9	103	0.00
18		Hexachloroethane	40.000	41.061	-2.7	103	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	40.048	-0.1	101	-0.01
20		3+4-Methylphenols	40.000	40.073	-0.2	101	-0.01
21	I	Naphthalene-d8	20.000	20.000	0.0	103	0.00
22		Acetophenone	40.000	39.246	1.9	102	-0.01
23	S	Nitrobenzene-d5	80.000	78.369	2.0	101	0.00
24		Nitrobenzene	40.000	39.429	1.4	102	0.00
25		Isophorone	40.000	39.767	0.6	103	-0.01
26	C	2-Nitrophenol	40.000	40.413	-1.0	101	0.00
27		2,4-Dimethylphenol	40.000	39.924	0.2	100	0.00
28		bis(2-Chloroethoxy)methane	40.000	39.822	0.4	102	0.00
29	C	2,4-Dichlorophenol	40.000	39.818	0.5	102	0.00
30		1,2,4-Trichlorobenzene	40.000	39.237	1.9	102	0.00
31		Naphthalene	40.000	39.287	1.8	102	0.00
32		Benzoic acid	40.000	40.324	-0.8	102	-0.04
33		4-Chloroaniline	40.000	40.680	-1.7	105	-0.01
34	C	Hexachlorobutadiene	40.000	40.144	-0.4	103	0.00
35		Caprolactam	40.000	41.104	-2.8	102	-0.03
36	C	4-Chloro-3-methylphenol	40.000	40.006	-0.0	102	0.00
37		2-Methylnaphthalene	40.000	38.710	3.2	101	0.00
38		1-Methylnaphthalene	40.000	39.049	2.4	101	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	102	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	40.182	-0.5	102	0.00
41	P	Hexachlorocyclopentadiene	40.000	38.754	3.1	94	0.00
42	S	2,4,6-Tribromophenol	80.000	79.490	0.6	102	0.00
43	C	2,4,6-Trichlorophenol	40.000	39.914	0.2	101	0.00
44		2,4,5-Trichlorophenol	40.000	40.108	-0.3	101	0.00
45	S	2-Fluorobiphenyl	80.000	78.786	1.5	103	0.00
46		1,1'-Biphenyl	40.000	39.519	1.2	102	0.00
47		2-Chloronaphthalene	40.000	39.453	1.4	102	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141480.D
Acq On : 06 Feb 2025 15:03
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Quant Time: Feb 06 16:01:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 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	40.451	-1.1	102	0.00
49		Acenaphthylene	40.000	39.734	0.7	102	0.00
50		Dimethylphthalate	40.000	39.488	1.3	102	-0.01
51		2,6-Dinitrotoluene	40.000	39.965	0.1	101	0.00
52	C	Acenaphthene	40.000	39.893	0.3	102	0.00
53		3-Nitroaniline	40.000	40.463	-1.2	104	0.00
54	P	2,4-Dinitrophenol	40.000	42.639	-6.6	109	-0.01
55		Dibenzofuran	40.000	39.860	0.4	103	0.00
56	P	4-Nitrophenol	40.000	42.166	-5.4	103	-0.01
57		2,4-Dinitrotoluene	40.000	40.633	-1.6	103	0.00
58		Fluorene	40.000	39.501	1.2	102	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	40.438	-1.1	104	0.00
60		Diethylphthalate	40.000	39.467	1.3	101	0.00
61		4-Chlorophenyl-phenylether	40.000	39.318	1.7	101	0.00
62		4-Nitroaniline	40.000	41.124	-2.8	102	-0.02
63		Azobenzene	40.000	39.759	0.6	102	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	100	0.00
65		4,6-Dinitro-2-methylphenol	40.000	42.230	-5.6	104	-0.01
66	c	n-Nitrosodiphenylamine	40.000	40.040	-0.1	102	0.00
67		4-Bromophenyl-phenylether	40.000	40.864	-2.2	104	0.00
68		Hexachlorobenzene	40.000	40.208	-0.5	102	0.00
69		Atrazine	40.000	39.358	1.6	102	0.00
70	C	Pentachlorophenol	40.000	42.476	-6.2	102	0.00
71		Phenanthrene	40.000	40.114	-0.3	102	0.00
72		Anthracene	40.000	40.362	-0.9	103	0.00
73		Carbazole	40.000	40.267	-0.7	102	0.00
74		Di-n-butylphthalate	40.000	40.953	-2.4	103	0.00
75	C	Fluoranthene	40.000	41.011	-2.5	104	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	112	0.00
77		Benzidine	40.000	38.017	5.0	89	0.00
78		Pyrene	40.000	37.784	5.5	103	0.00
79	S	Terphenyl-d14	80.000	75.750	5.3	105	0.00
80		Butylbenzylphthalate	40.000	41.781	-4.5	113	0.00
81		Benzo(a)anthracene	40.000	38.009	5.0	105	0.00
82		3,3'-Dichlorobenzidine	40.000	38.608	3.5	109	0.00
83		Chrysene	40.000	39.361	1.6	113	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	44.229	-10.6	120	0.00
85	c	Di-n-octyl phthalate	40.000	44.652	-11.6	123	0.01
86	I	Perylene-d12	20.000	20.000	0.0	109	0.01
87		Indeno(1,2,3-cd)pyrene	40.000	38.551	3.6	101	0.00
88		Benzo(b)fluoranthene	40.000	39.352	1.6	108	0.00
89		Benzo(k)fluoranthene	40.000	41.182	-3.0	113	0.00
90	C	Benzo(a)pyrene	40.000	39.459	1.4	108	0.00
91		Dibenzo(a,h)anthracene	40.000	38.870	2.8	101	0.00
92		Benzo(g,h,i)perylene	40.000	38.536	3.7	100	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141480.D
Acq On : 06 Feb 2025 15:03
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Quant Time: Feb 06 16:01:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 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: SPEC01

Lab Code: CHEM Case No.: Q1322 SAS No.: Q1322 SDG No.: Q1322

Instrument ID: BNA_F Calibration Date/Time: 02/10/2025 11:34

Lab File ID: BF141531.D Init. Calib. Date(s): 02/06/2025 02/06/2025

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

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.276	1.279		0.2	
Phenol-d6	1.612	1.566		-2.9	
Nitrobenzene-d5	0.383	0.378		-1.3	
2-Fluorobiphenyl	1.298	1.277		-1.6	
2,4,6-Tribromophenol	0.201	0.194		-3.5	
Terphenyl-d14	1.185	1.253		5.7	
Bis(2-ethylhexyl)phthalate	0.665	0.755		13.5	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021025\
Data File : BF141531.D
Acq On : 10 Feb 2025 11:34
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Feb 10 12:30:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	91504	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	356056	20.000	ng	0.00
39) Acenaphthene-d10	9.827	164	192109	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	313129	20.000	ng	0.00
76) Chrysene-d12	13.963	240	193608	20.000	ng	0.00
86) Perylene-d12	15.439	264	177316	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	467960	80.176	ng	0.00
7) Phenol-d6	6.434	99	573104	77.687	ng	0.00
23) Nitrobenzene-d5	7.357	82	538199	78.840	ng	0.00
42) 2,4,6-Tribromophenol	10.622	330	148831	77.122	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	981012	78.674	ng	0.00
79) Terphenyl-d14	12.898	244	970304	84.606	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.469	88	90976	38.728	ng	98
3) Pyridine	3.210	79	221401	39.606	ng	99
4) n-Nitrosodimethylamine	3.157	42	146628	39.614	ng	98
6) Aniline	6.451	93	272486	39.376	ng	90
8) 2-Chlorophenol	6.581	128	246962	39.158	ng	98
9) Benzaldehyde	6.339	77	128088	32.674	ng	100
10) Phenol	6.445	94	298987	38.940	ng	100
11) bis(2-Chloroethyl)ether	6.528	93	225126	39.036	ng	98
12) 1,3-Dichlorobenzene	6.734	146	264114	39.668	ng	99
13) 1,4-Dichlorobenzene	6.810	146	265465	39.023	ng	98
14) 1,2-Dichlorobenzene	6.963	146	252344	39.967	ng	98
15) Benzyl Alcohol	6.934	79	223304	39.473	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.069	45	392078	39.715	ng	99
17) 2-Methylphenol	7.051	107	192649	39.034	ng	99
18) Hexachloroethane	7.298	117	102320	40.642	ng	99
19) n-Nitroso-di-n-propyla...	7.204	70	170797	38.706	ng	100
20) 3+4-Methylphenols	7.204	107	241913	38.569	ng	96
22) Acetophenone	7.204	105	343898	38.827	ng	98
24) Nitrobenzene	7.375	77	260329	39.108	ng	98
25) Isophorone	7.616	82	424424	38.993	ng	99
26) 2-Nitrophenol	7.692	139	132810	40.102	ng	96
27) 2,4-Dimethylphenol	7.734	122	152895	39.519	ng	99
28) bis(2-Chloroethoxy)met...	7.822	93	275268	39.467	ng	99
29) 2,4-Dichlorophenol	7.939	162	205336	39.280	ng	99
30) 1,2,4-Trichlorobenzene	8.016	180	226022	39.705	ng	98
31) Naphthalene	8.098	128	734667	39.639	ng	100
32) Benzoic acid	7.857	122	139602	34.738	ng	99
33) 4-Chloroaniline	8.145	127	247243	38.208	ng	99
34) Hexachlorobutadiene	8.210	225	140298	41.054	ng	99
35) Caprolactam	8.516	113	61657	38.739	ng	98
36) 4-Chloro-3-methylphenol	8.633	107	225523	38.947	ng	100
37) 2-Methylnaphthalene	8.786	142	473288	39.242	ng	100
38) 1-Methylnaphthalene	8.886	142	454754	38.931	ng	98
40) 1,2,4,5-Tetrachloroben...	8.951	216	222962	40.116	ng	98
41) Hexachlorocyclopentadiene	8.933	237	68717	37.172	ng	99
43) 2,4,6-Trichlorophenol	9.069	196	143507	39.950	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021025\
Data File : BF141531.D
Acq On : 10 Feb 2025 11:34
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Feb 10 12:30:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

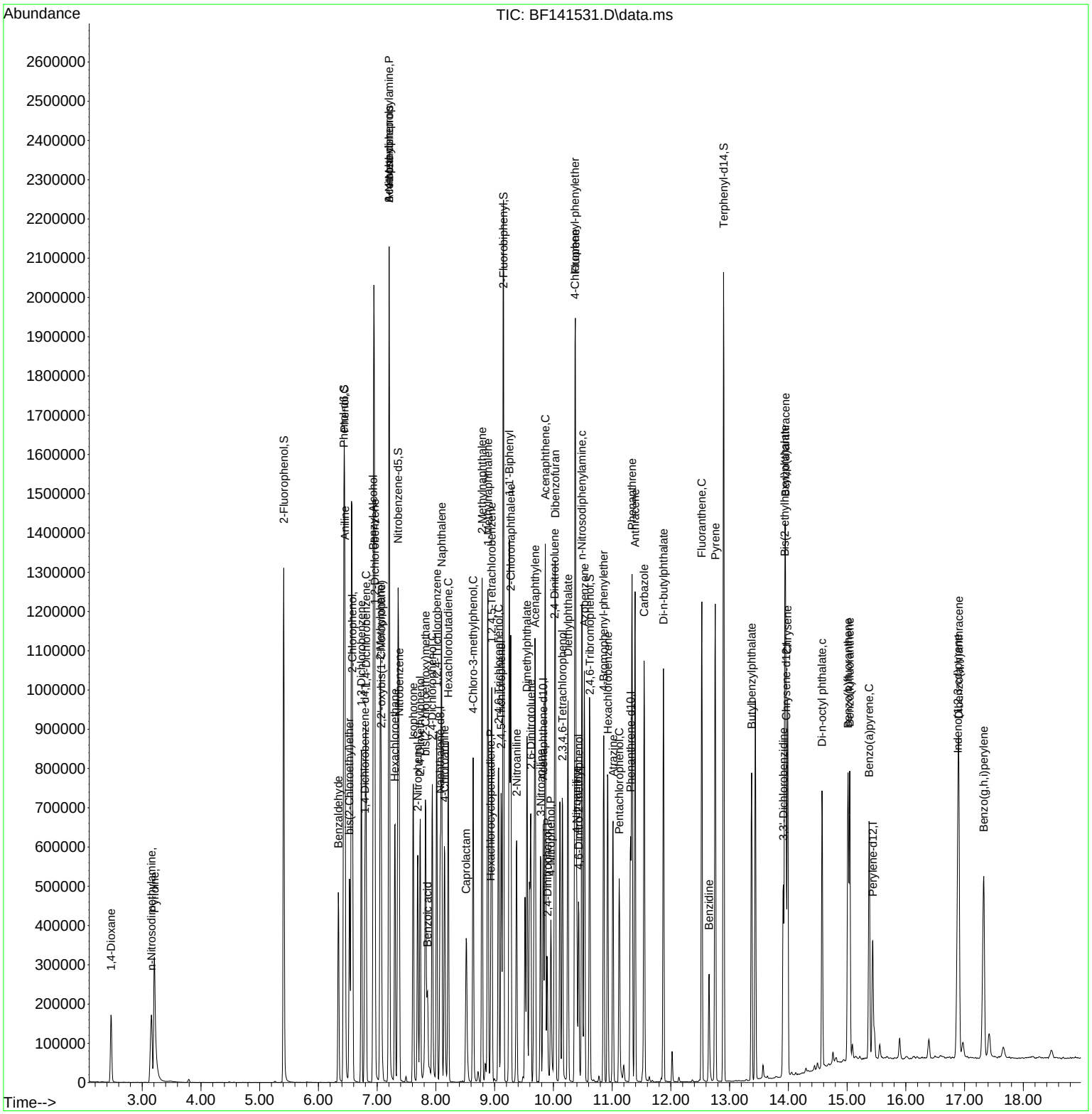
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	152923	39.281	ng	98
46) 1,1'-Biphenyl	9.251	154	588561	39.517	ng	99
47) 2-Chloronaphthalene	9.275	162	439299	39.887	ng	99
48) 2-Nitroaniline	9.375	65	143494	38.822	ng	96
49) Acenaphthylene	9.692	152	643014	39.253	ng	100
50) Dimethylphthalate	9.551	163	510097	39.112	ng	99
51) 2,6-Dinitrotoluene	9.616	165	109011	38.236	ng	98
52) Acenaphthene	9.863	154	430608	39.100	ng	99
53) 3-Nitroaniline	9.786	138	117555	38.310	ng	97
54) 2,4-Dinitrophenol	9.898	184	62096	36.647	ng	95
55) Dibenzofuran	10.033	168	632974	39.157	ng	99
56) 4-Nitrophenol	9.957	139	85776	37.656	ng	98
57) 2,4-Dinitrotoluene	10.022	165	145558	38.351	ng	99
58) Fluorene	10.375	166	489982	39.202	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.157	232	128800	38.428	ng	97
60) Diethylphthalate	10.251	149	502338	39.149	ng	99
61) 4-Chlorophenyl-phenyle...	10.369	204	240325	39.967	ng	98
62) 4-Nitroaniline	10.398	138	116557	37.408	ng	100
63) Azobenzene	10.527	77	501802	39.338	ng	99
65) 4,6-Dinitro-2-methylph...	10.433	198	83522	38.398	ng	95
66) n-Nitrosodiphenylamine	10.486	169	408555	40.759	ng	99
67) 4-Bromophenyl-phenylether	10.857	248	144175	41.197	ng	97
68) Hexachlorobenzene	10.927	284	147297	40.874	ng	99
69) Atrazine	11.016	200	114088	37.940	ng	98
70) Pentachlorophenol	11.122	266	86291	37.449	ng	98
71) Phenanthrene	11.339	178	691100	40.095	ng	100
72) Anthracene	11.392	178	694305	40.071	ng	100
73) Carbazole	11.545	167	608137	39.007	ng	100
74) Di-n-butylphthalate	11.874	149	722112	40.113	ng	100
75) Fluoranthene	12.527	202	700802	38.350	ng	99
77) Benzidine	12.651	184	158992	37.236	ng	100
78) Pyrene	12.757	202	700603	42.509	ng	99
80) Butylbenzylphthalate	13.374	149	242906	42.551	ng	100
81) Benzo(a)anthracene	13.951	228	505085	39.246	ng	100
82) 3,3'-Dichlorobenzidine	13.915	252	144386	39.165	ng	97
83) Chrysene	13.986	228	478477	40.265	ng	100
84) Bis(2-ethylhexyl)phtha...	13.939	149	292322	45.402	ng	99
85) Di-n-octyl phthalate	14.574	149	453134	49.334	ng	100
87) Indeno(1,2,3-cd)pyrene	16.886	276	504388	46.037	ng	100
88) Benzo(b)fluoranthene	15.015	252	490636	41.209	ng	99
89) Benzo(k)fluoranthene	15.045	252	359014	35.313	ng	98
90) Benzo(a)pyrene	15.374	252	383923	39.851	ng	99
91) Dibenzo(a,h)anthracene	16.904	278	415551	46.809	ng	98
92) Benzo(g,h,i)perylene	17.327	276	435173	46.843	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021025\
Data File : BF141531.D
Acq On : 10 Feb 2025 11:34
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Feb 10 12:30:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration



Sample Results: **BF141531.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021025\
Data File : BF141531.D
Acq On : 10 Feb 2025 11:34
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 10 12:30:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

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	103	0.00
2		1,4-Dioxane	0.513	0.497	3.1	99	-0.01
3		Pyridine	1.222	1.210	1.0	98	0.00
4		n-Nitrosodimethylamine	0.809	0.801	1.0	101	-0.03
5	S	2-Fluorophenol	1.276	1.279	-0.2	102	0.00
6		Aniline	1.513	1.489	1.6	99	-0.01
7	S	Phenol-d6	1.612	1.566	2.9	100	0.00
8		2-Chlorophenol	1.378	1.349	2.1	101	0.00
9		Benzaldehyde	0.857	0.700	18.3	88	0.00
10	C	Phenol	1.678	1.634	2.6	100	-0.01
11		bis(2-Chloroethyl)ether	1.261	1.230	2.5	100	0.00
12		1,3-Dichlorobenzene	1.455	1.443	0.8	103	0.00
13	C	1,4-Dichlorobenzene	1.487	1.451	2.4	101	0.00
14		1,2-Dichlorobenzene	1.380	1.379	0.1	103	0.00
15		Benzyl Alcohol	1.236	1.220	1.3	99	0.00
16		2,2'-oxybis(1-Chloropropane	2.158	2.142	0.7	102	0.00
17		2-Methylphenol	1.079	1.053	2.4	100	0.00
18		Hexachloroethane	0.550	0.559	-1.6	104	0.00
19	P	n-Nitroso-di-n-propylamine	0.964	0.933	3.2	99	-0.01
20		3+4-Methylphenols	1.371	1.322	3.6	99	-0.01
21	I	Naphthalene-d8	1.000	1.000	0.0	101	0.00
22		Acetophenone	0.498	0.483	3.0	99	0.00
23	S	Nitrobenzene-d5	0.383	0.378	1.3	100	0.00
24		Nitrobenzene	0.374	0.366	2.1	99	0.00
25		Isophorone	0.611	0.596	2.5	99	0.00
26	C	2-Nitrophenol	0.186	0.187	-0.5	98	0.00
27		2,4-Dimethylphenol	0.217	0.215	0.9	98	0.00
28		bis(2-Chloroethoxy)methane	0.392	0.387	1.3	99	0.00
29	C	2,4-Dichlorophenol	0.294	0.288	2.0	99	0.00
30		1,2,4-Trichlorobenzene	0.320	0.317	0.9	102	0.00
31		Naphthalene	1.041	1.032	0.9	101	0.00
32		Benzoic acid	0.226	0.196	13.3	87	-0.04
33		4-Chloroaniline	0.363	0.347	4.4	97	-0.01
34	C	Hexachlorobutadiene	0.192	0.197	-2.6	104	0.00
35		Caprolactam	0.089	0.087	2.2	95	-0.03
36	C	4-Chloro-3-methylphenol	0.325	0.317	2.5	97	0.00
37		2-Methylnaphthalene	0.677	0.665	1.8	101	0.00
38		1-Methylnaphthalene	0.656	0.639	2.6	99	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	99	0.00
40		1,2,4,5-Tetrachlorobenzene	0.579	0.580	-0.2	99	0.00
41	P	Hexachlorocyclopentadiene	0.192	0.179	6.8	87	0.00
42	S	2,4,6-Tribromophenol	0.201	0.194	3.5	96	0.00
43	C	2,4,6-Trichlorophenol	0.374	0.374	0.0	99	0.00
44		2,4,5-Trichlorophenol	0.405	0.398	1.7	96	0.00
45	S	2-Fluorobiphenyl	1.298	1.277	1.6	100	0.00
46		1,1'-Biphenyl	1.551	1.532	1.2	99	0.00
47		2-Chloronaphthalene	1.147	1.143	0.3	100	0.00

Sample Results: **BF141531.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021025\
Data File : BF141531.D
Acq On : 10 Feb 2025 11:34
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 10 12:30:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

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	0.385	0.373	3.1	95	0.00
49		Acenaphthylene	1.705	1.674	1.8	98	0.00
50		Dimethylphthalate	1.358	1.328	2.2	98	-0.01
51		2,6-Dinitrotoluene	0.297	0.284	4.4	94	0.00
52	C	Acenaphthene	1.147	1.121	2.3	97	0.00
53		3-Nitroaniline	0.319	0.306	4.1	95	0.00
54	P	2,4-Dinitrophenol	0.176	0.162	8.0	91	0.00
55		Dibenzofuran	1.683	1.647	2.1	98	0.00
56	P	4-Nitrophenol	0.237	0.223	5.9	89	-0.01
57		2,4-Dinitrotoluene	0.395	0.379	4.1	95	0.00
58		Fluorene	1.301	1.275	2.0	98	0.00
59		2,3,4,6-Tetrachlorophenol	0.349	0.335	4.0	96	0.00
60		Diethylphthalate	1.336	1.307	2.2	98	0.00
61		4-Chlorophenyl-phenylether	0.626	0.625	0.2	100	0.00
62		4-Nitroaniline	0.324	0.303	6.5	90	-0.02
63		Azobenzene	1.328	1.306	1.7	98	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	93	0.00
65		4,6-Dinitro-2-methylphenol	0.139	0.133	4.3	87	0.00
66	c	n-Nitrosodiphenylamine	0.640	0.652	-1.9	97	-0.01
67		4-Bromophenyl-phenylether	0.224	0.230	-2.7	97	0.00
68		Hexachlorobenzene	0.230	0.235	-2.2	96	0.00
69		Atrazine	0.192	0.182	5.2	92	0.00
70	C	Pentachlorophenol	0.147	0.138	6.1	83	0.00
71		Phenanthrene	1.101	1.104	-0.3	95	0.00
72		Anthracene	1.107	1.109	-0.2	95	0.00
73		Carbazole	0.996	0.971	2.5	92	0.00
74		Di-n-butylphthalate	1.150	1.153	-0.3	94	0.00
75	C	Fluoranthene	1.167	1.119	4.1	90	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	86	0.00
77		Benzidine	0.441	0.411	6.8	67	0.00
78		Pyrene	1.703	1.809	-6.2	89	0.00
79	S	Terphenyl-d14	1.185	1.253	-5.7	90	0.00
80		Butylbenzylphthalate	0.590	0.627	-6.3	88	0.00
81		Benzo(a)anthracene	1.329	1.304	1.9	83	0.00
82		3,3'-Dichlorobenzidine	0.381	0.373	2.1	85	0.00
83		Chrysene	1.228	1.236	-0.7	88	0.00
84		Bis(2-ethylhexyl)phthalate	0.665	0.755	-13.5	94	0.00
85	c	Di-n-octyl phthalate	0.949	1.170	-23.3#	104	0.01
86	I	Perylene-d12	1.000	1.000	0.0	97	0.02
87		Indeno(1,2,3-cd)pyrene	1.236	1.422	-15.0	107	0.01
88		Benzo(b)fluoranthene	1.343	1.384	-3.1	100	0.01
89		Benzo(k)fluoranthene	1.147	1.012	11.8	86	0.01
90	C	Benzo(a)pyrene	1.087	1.083	0.4	97	0.01
91		Dibenzo(a,h)anthracene	1.001	1.172	-17.1	108	0.01
92		Benzo(g,h,i)perylene	1.048	1.227	-17.1	108	0.01

Sample Results: **BF141531.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021025\
Data File : BF141531.D
Acq On : 10 Feb 2025 11:34
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 10 12:30:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

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 = 1

Sample Results: **BF141531.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021025\
Data File : BF141531.D
Acq On : 10 Feb 2025 11:34
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 10 12:30:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

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	103	0.00
2		1,4-Dioxane	40.000	38.728	3.2	99	-0.01
3		Pyridine	40.000	39.606	1.0	98	0.00
4		n-Nitrosodimethylamine	40.000	39.614	1.0	101	-0.03
5	S	2-Fluorophenol	80.000	80.176	-0.2	102	0.00
6		Aniline	40.000	39.376	1.6	99	-0.01
7	S	Phenol-d6	80.000	77.687	2.9	100	0.00
8		2-Chlorophenol	40.000	39.158	2.1	101	0.00
9		Benzaldehyde	40.000	32.674	18.3	88	0.00
10	C	Phenol	40.000	38.940	2.7	100	-0.01
11		bis(2-Chloroethyl)ether	40.000	39.036	2.4	100	0.00
12		1,3-Dichlorobenzene	40.000	39.668	0.8	103	0.00
13	C	1,4-Dichlorobenzene	40.000	39.023	2.4	101	0.00
14		1,2-Dichlorobenzene	40.000	39.967	0.1	103	0.00
15		Benzyl Alcohol	40.000	39.473	1.3	99	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	39.715	0.7	102	0.00
17		2-Methylphenol	40.000	39.034	2.4	100	0.00
18		Hexachloroethane	40.000	40.642	-1.6	104	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	38.706	3.2	99	-0.01
20		3+4-Methylphenols	40.000	38.569	3.6	99	-0.01
21	I	Naphthalene-d8	20.000	20.000	0.0	101	0.00
22		Acetophenone	40.000	38.827	2.9	99	0.00
23	S	Nitrobenzene-d5	80.000	78.840	1.4	100	0.00
24		Nitrobenzene	40.000	39.108	2.2	99	0.00
25		Isophorone	40.000	38.993	2.5	99	0.00
26	C	2-Nitrophenol	40.000	40.102	-0.3	98	0.00
27		2,4-Dimethylphenol	40.000	39.519	1.2	98	0.00
28		bis(2-Chloroethoxy)methane	40.000	39.467	1.3	99	0.00
29	C	2,4-Dichlorophenol	40.000	39.280	1.8	99	0.00
30		1,2,4-Trichlorobenzene	40.000	39.705	0.7	102	0.00
31		Naphthalene	40.000	39.639	0.9	101	0.00
32		Benzoic acid	40.000	34.738	13.2	87	-0.04
33		4-Chloroaniline	40.000	38.208	4.5	97	-0.01
34	C	Hexachlorobutadiene	40.000	41.054	-2.6	104	0.00
35		Caprolactam	40.000	38.739	3.2	95	-0.03
36	C	4-Chloro-3-methylphenol	40.000	38.947	2.6	97	0.00
37		2-Methylnaphthalene	40.000	39.242	1.9	101	0.00
38		1-Methylnaphthalene	40.000	38.931	2.7	99	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	99	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	40.116	-0.3	99	0.00
41	P	Hexachlorocyclopentadiene	40.000	37.172	7.1	87	0.00
42	S	2,4,6-Tribromophenol	80.000	77.122	3.6	96	0.00
43	C	2,4,6-Trichlorophenol	40.000	39.950	0.1	99	0.00
44		2,4,5-Trichlorophenol	40.000	39.281	1.8	96	0.00
45	S	2-Fluorobiphenyl	80.000	78.674	1.7	100	0.00
46		1,1'-Biphenyl	40.000	39.517	1.2	99	0.00
47		2-Chloronaphthalene	40.000	39.887	0.3	100	0.00

Sample Results: **BF141531.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021025\
Data File : BF141531.D
Acq On : 10 Feb 2025 11:34
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 10 12:30:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

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	38.822	2.9	95	0.00
49		Acenaphthylene	40.000	39.253	1.9	98	0.00
50		Dimethylphthalate	40.000	39.112	2.2	98	-0.01
51		2,6-Dinitrotoluene	40.000	38.236	4.4	94	0.00
52	C	Acenaphthene	40.000	39.100	2.2	97	0.00
53		3-Nitroaniline	40.000	38.310	4.2	95	0.00
54	P	2,4-Dinitrophenol	40.000	36.647	8.4	91	0.00
55		Dibenzofuran	40.000	39.157	2.1	98	0.00
56	P	4-Nitrophenol	40.000	37.656	5.9	89	-0.01
57		2,4-Dinitrotoluene	40.000	38.351	4.1	95	0.00
58		Fluorene	40.000	39.202	2.0	98	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	38.428	3.9	96	0.00
60		Diethylphthalate	40.000	39.149	2.1	98	0.00
61		4-Chlorophenyl-phenylether	40.000	39.967	0.1	100	0.00
62		4-Nitroaniline	40.000	37.408	6.5	90	-0.02
63		Azobenzene	40.000	39.338	1.7	98	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	93	0.00
65		4,6-Dinitro-2-methylphenol	40.000	38.398	4.0	87	0.00
66	c	n-Nitrosodiphenylamine	40.000	40.759	-1.9	97	-0.01
67		4-Bromophenyl-phenylether	40.000	41.197	-3.0	97	0.00
68		Hexachlorobenzene	40.000	40.874	-2.2	96	0.00
69		Atrazine	40.000	37.940	5.2	92	0.00
70	C	Pentachlorophenol	40.000	37.449	6.4	83	0.00
71		Phenanthrene	40.000	40.095	-0.2	95	0.00
72		Anthracene	40.000	40.071	-0.2	95	0.00
73		Carbazole	40.000	39.007	2.5	92	0.00
74		Di-n-butylphthalate	40.000	40.113	-0.3	94	0.00
75	C	Fluoranthene	40.000	38.350	4.1	90	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	86	0.00
77		Benzidine	40.000	37.236	6.9	67	0.00
78		Pyrene	40.000	42.509	-6.3	89	0.00
79	S	Terphenyl-d14	80.000	84.606	-5.8	90	0.00
80		Butylbenzylphthalate	40.000	42.551	-6.4	88	0.00
81		Benzo(a)anthracene	40.000	39.246	1.9	83	0.00
82		3,3'-Dichlorobenzidine	40.000	39.165	2.1	85	0.00
83		Chrysene	40.000	40.265	-0.7	88	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	45.402	-13.5	94	0.00
85	c	Di-n-octyl phthalate	40.000	49.334	-23.3#	104	0.01
86	I	Perylene-d12	20.000	20.000	0.0	97	0.02
87		Indeno(1,2,3-cd)pyrene	40.000	46.037	-15.1	107	0.01
88		Benzo(b)fluoranthene	40.000	41.209	-3.0	100	0.01
89		Benzo(k)fluoranthene	40.000	35.313	11.7	86	0.01
90	C	Benzo(a)pyrene	40.000	39.851	0.4	97	0.01
91		Dibenzo(a,h)anthracene	40.000	46.809	-17.0	108	0.01
92		Benzo(g,h,i)perylene	40.000	46.843	-17.1	108	0.01

Sample Results: **BF141531.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021025\
Data File : BF141531.D
Acq On : 10 Feb 2025 11:34
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 10 12:30:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

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 = 1

QC SAMPLE DATA

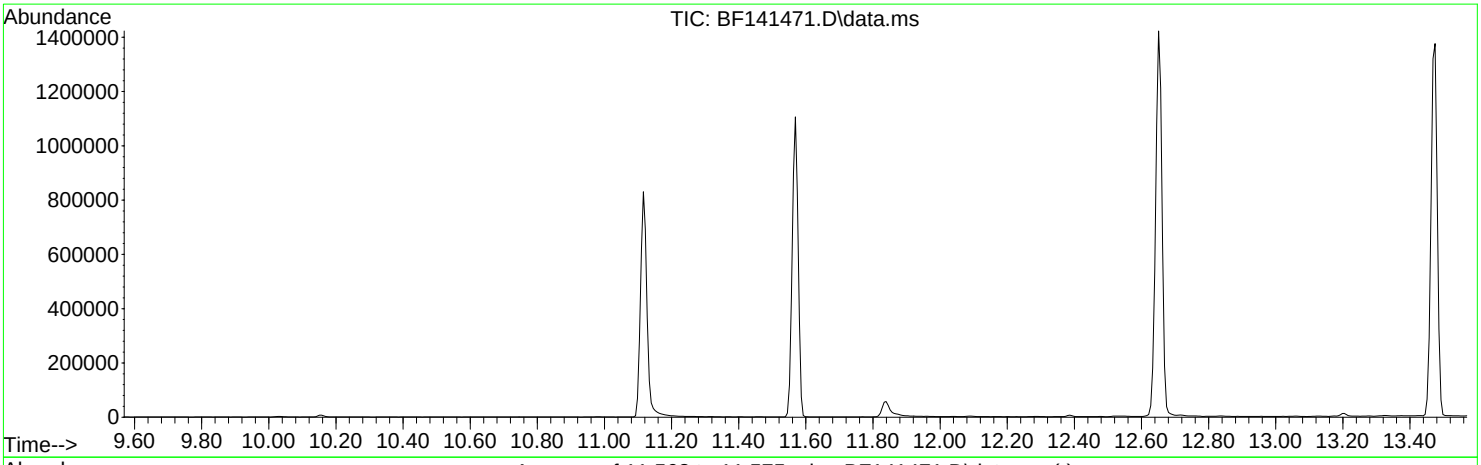
Sample Results: **BF141471.D**

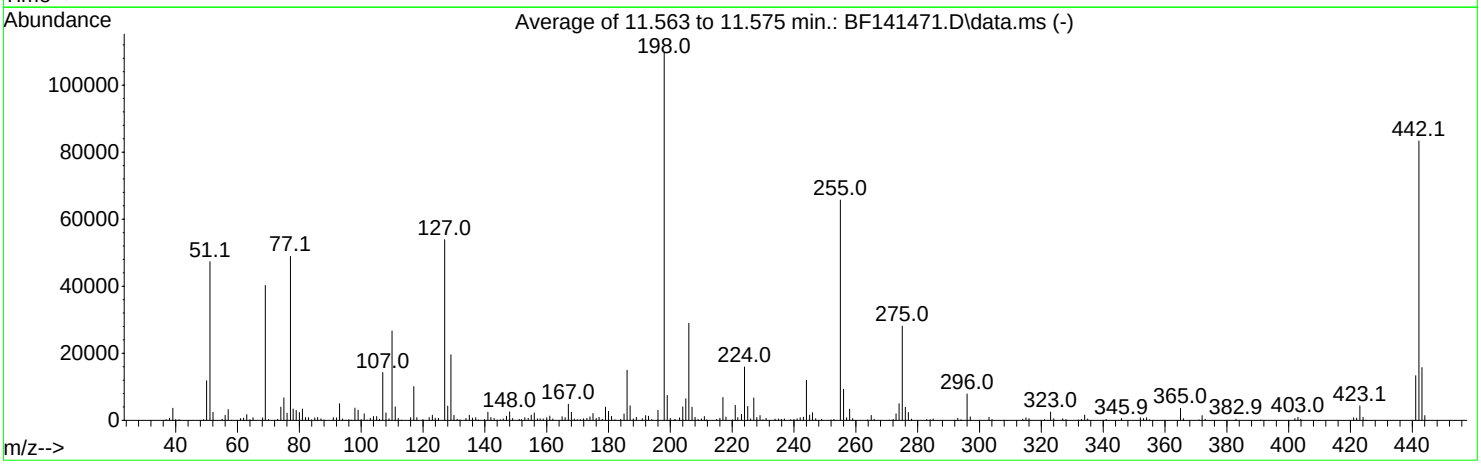
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141471.D
Acq On : 06 Feb 2025 10:41
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

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





AutoFind: Scans 1610, 1611, 1612; Background Corrected with Scan 1603

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	43.2	47360	PASS
68	69	0.00	2	1.9	756	PASS
69	198	0.00	100	36.7	40248	PASS
70	69	0.00	2	0.5	221	PASS
127	198	10	80	49.1	53877	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	109720	PASS
199	198	5	9	6.8	7444	PASS
275	198	10	60	25.6	28133	PASS
365	198	1	100	3.3	3599	PASS
441	198	0.01	100	12.2	13341	PASS
442	442	50	100	100.0	83323	PASS
443	442	15	24	18.9	15754	PASS

DDT Breakdown

Date	Instrument Name	DFTPP Data File
2/6/2025	BNA_F	BF141471.D
Compound Name	**Response**	**Retention Time**
DDT	348871	13.475
DDD	6398	13.204
DDE	521	12.839
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
6919	355790	1.94

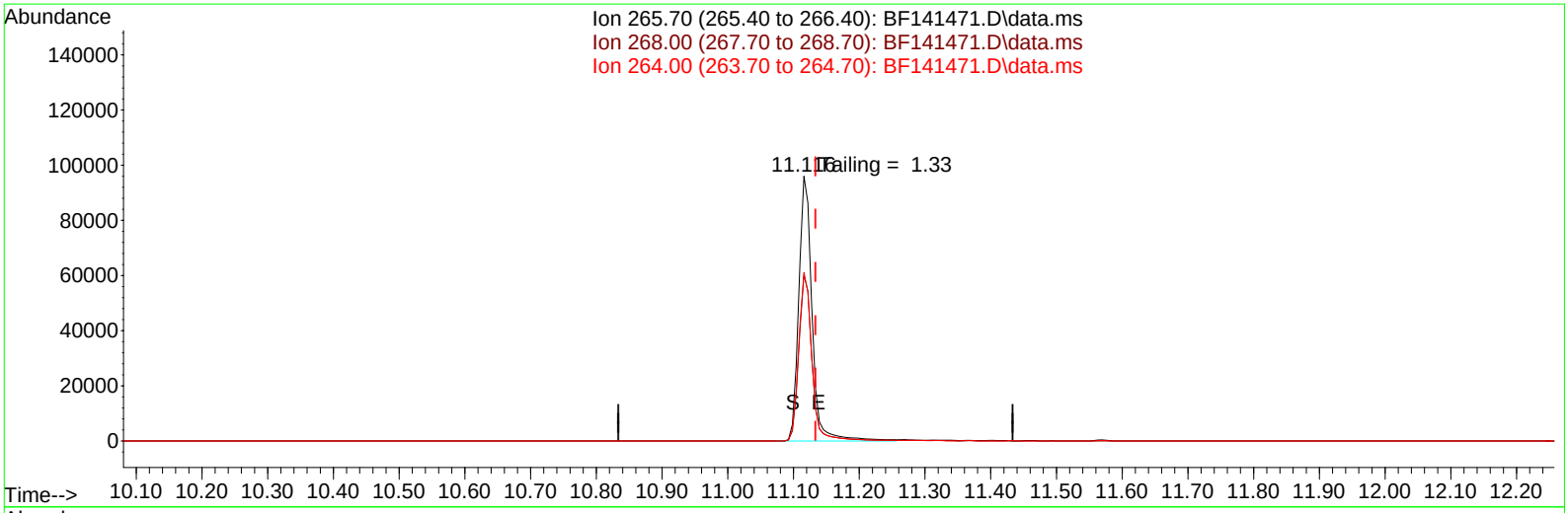
Instrument :
BNA_F
ClientSampleId :
DFTPP

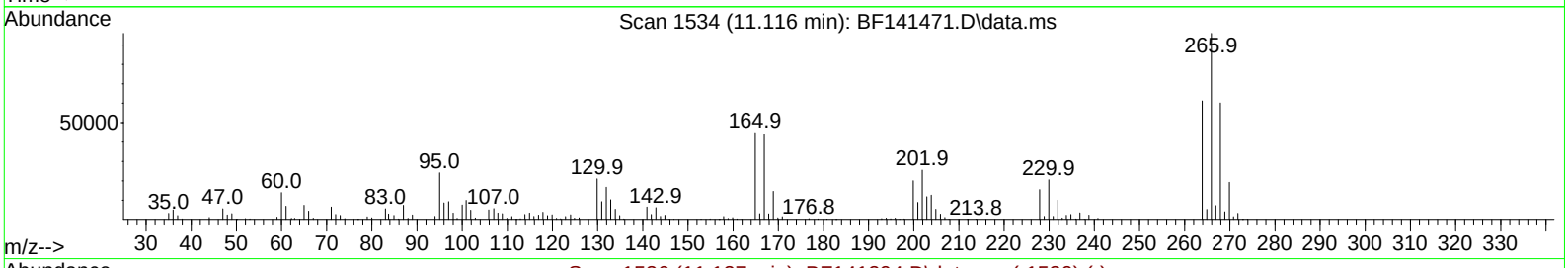
Sample Results: **BF141471.D**

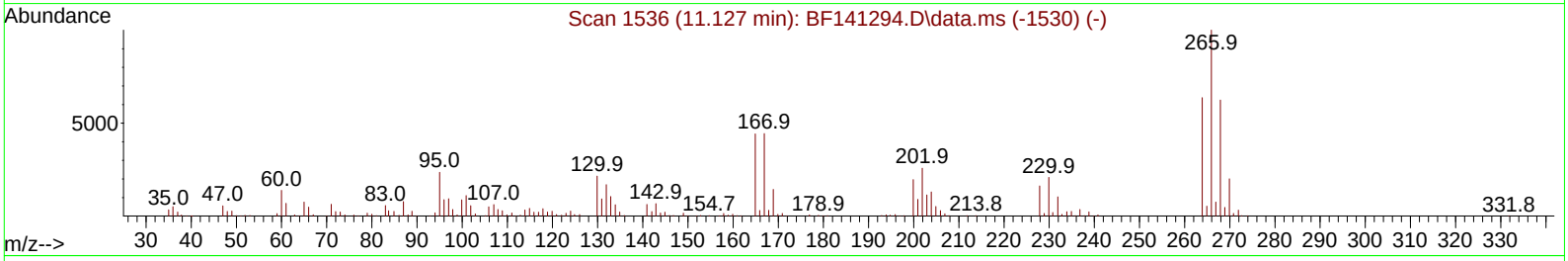
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141471.D
Acq On : 06 Feb 2025 10:41
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Feb 06 13:09:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 13:08:53 2025
Response via : Initial Calibration







TIC: BF141471.D\data.ms

(70) Pentachlorophenol (C)

11.116min (-0.018) 32915.33 ng

response 135048

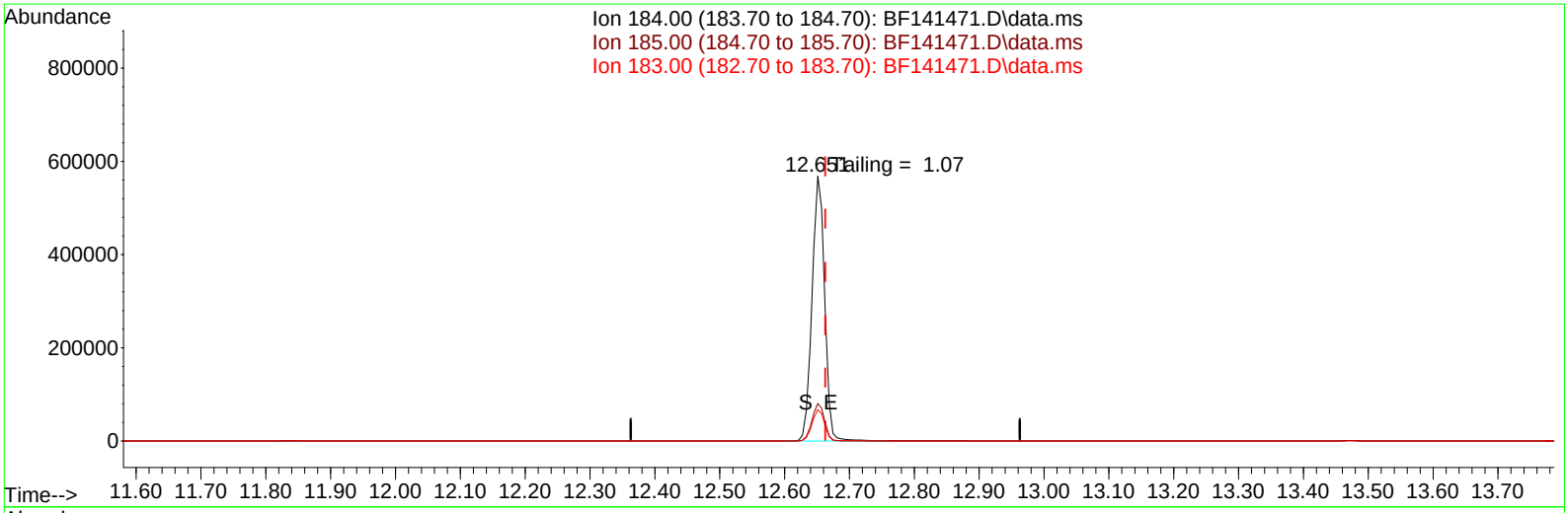
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.40	62.59
264.00	63.70	63.70
0.00	0.00	0.00

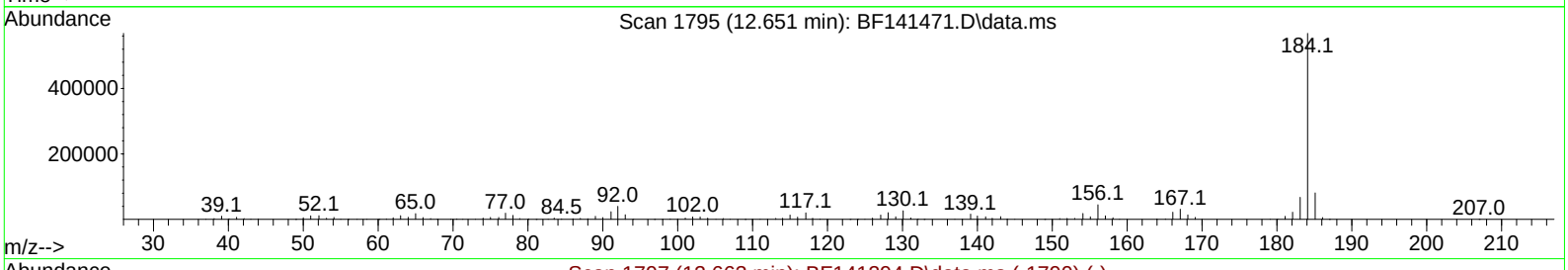
Sample Results: **BF141471.D**

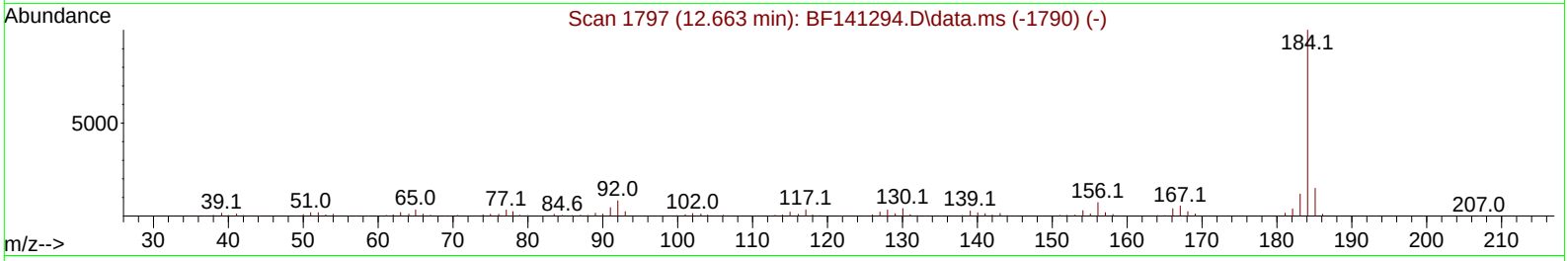
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141471.D
Acq On : 06 Feb 2025 10:41
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Feb 06 13:09:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 13:08:53 2025
Response via : Initial Calibration







TIC: BF141471.D\data.ms

(77) Benzidine

12.651min (-0.012) 0.00 ng

response 764582

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.90	14.21
183.00	11.90	11.88
0.00	0.00	0.00

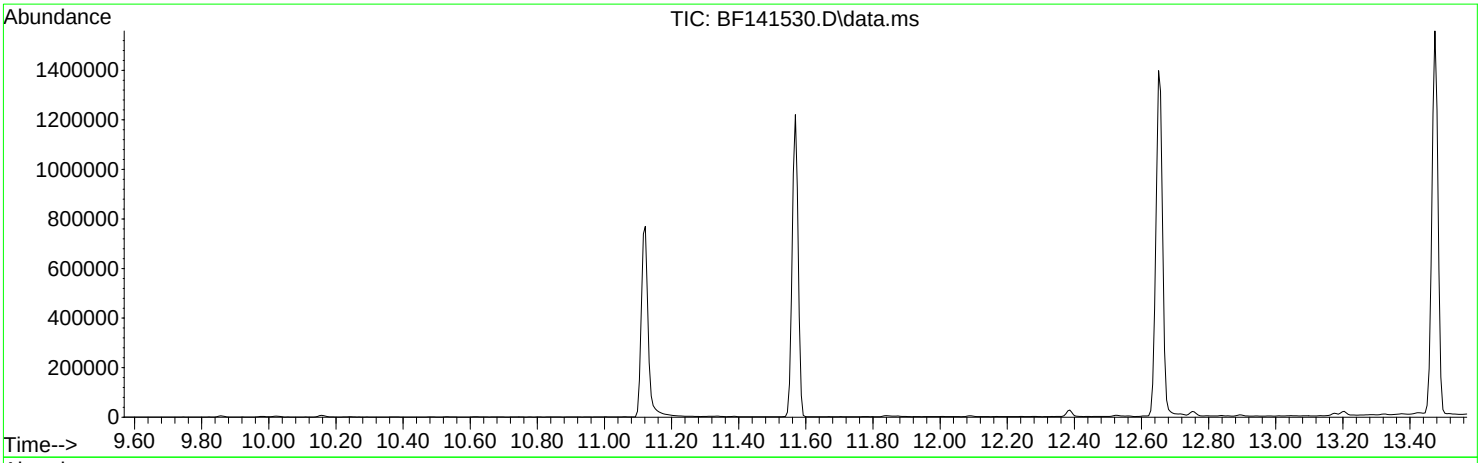
Sample Results: **BF141530.D**

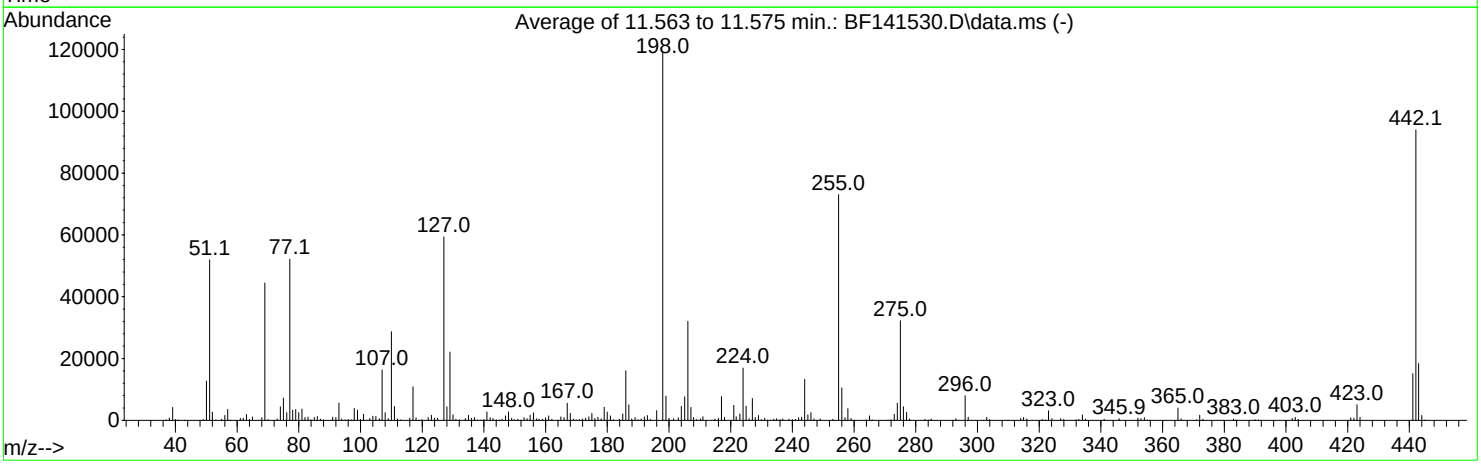
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021025\
Data File : BF141530.D
Acq On : 10 Feb 2025 11:08
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

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





AutoFind: Scans 1610, 1611, 1612; Background Corrected with Scan 1604

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	43.6	51904	PASS
68	69	0.00	2	1.9	860	PASS
69	198	0.00	100	37.3	44448	PASS
70	69	0.00	2	0.5	238	PASS
127	198	10	80	49.9	59352	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	119008	PASS
199	198	5	9	6.6	7849	PASS
275	198	10	60	27.1	32248	PASS
365	198	1	100	3.4	3990	PASS
441	198	0.01	100	12.7	15136	PASS
442	442	50	100	100.0	94021	PASS
443	442	15	24	19.5	18358	PASS

DDT Breakdown

Date	Instrument Name	DFTPP Data File
2/10/2025	BNA_F	BF141530.D
Compound Name	**Response**	**Retention Time**
DDT	386356	13.474
DDD	7404	13.204
DDE	837	12.839
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
8241	394597	2.09

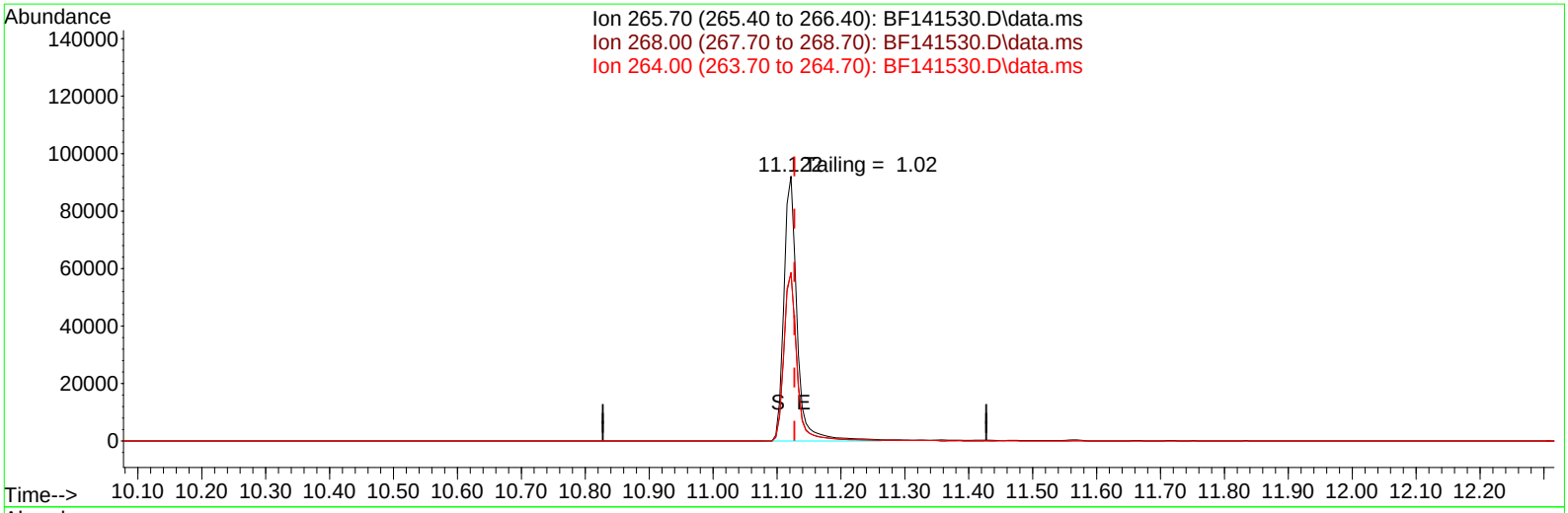
Instrument :
BNA_F
ClientSampleId :
DFTPP

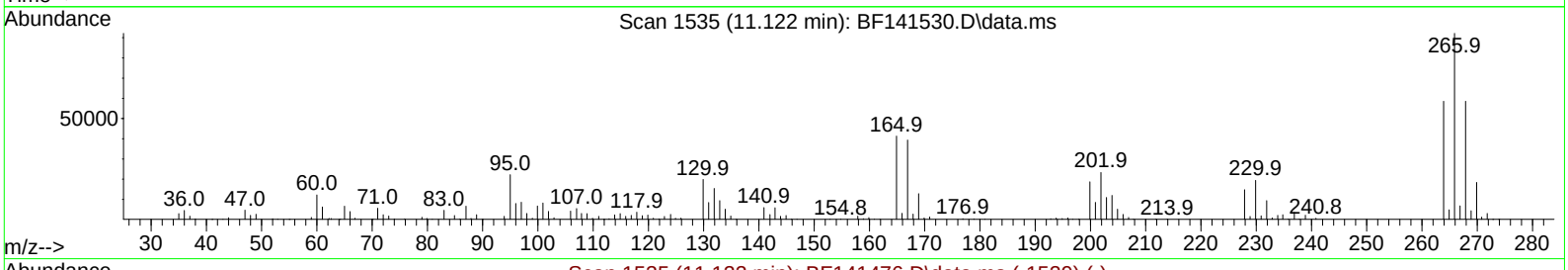
Sample Results: **BF141530.D**

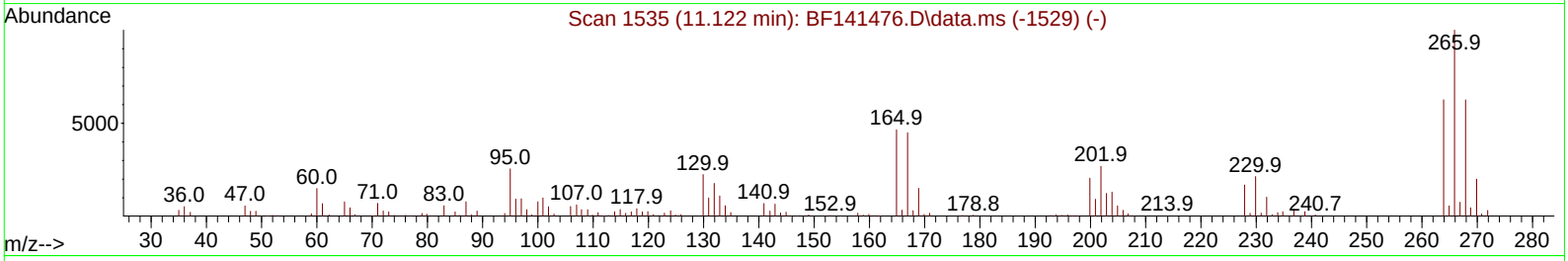
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021025\
Data File : BF141530.D
Acq On : 10 Feb 2025 11:08
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Feb 10 12:29:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration







TIC: BF141530.D\data.ms

(70) Pentachlorophenol (C)

11.122min (-0.006) 15920.77 ng

response 133560

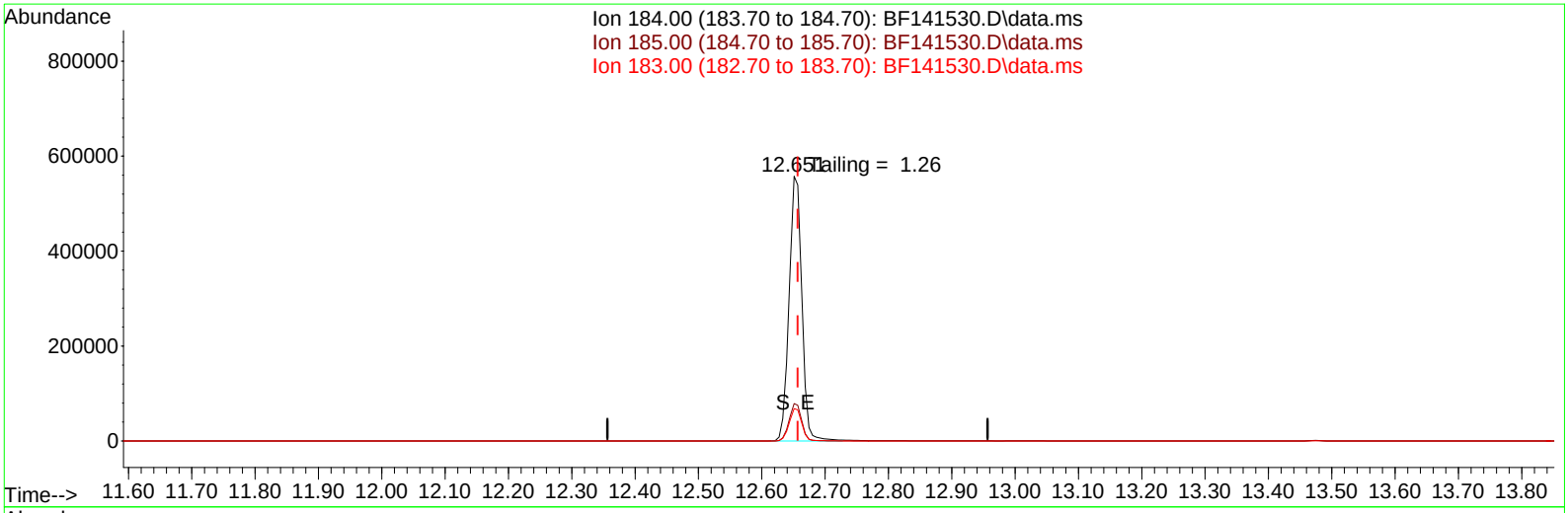
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.60	63.58
264.00	62.60	63.58
0.00	0.00	0.00

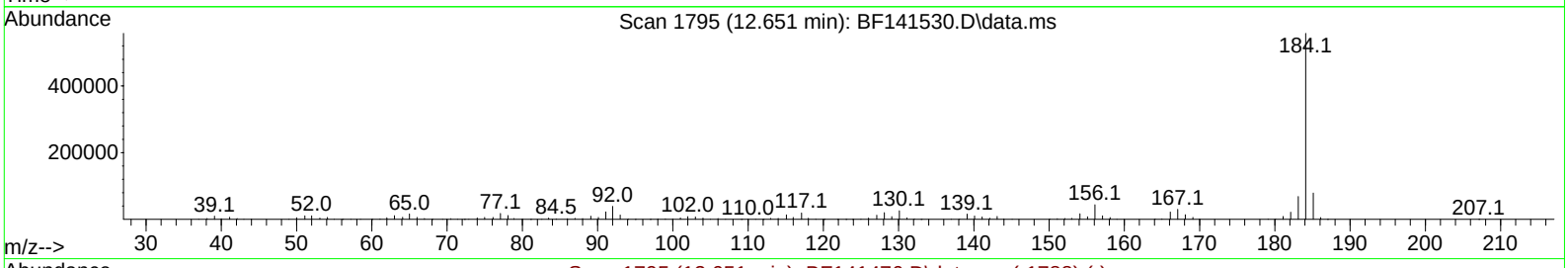
Sample Results: **BF141530.D**

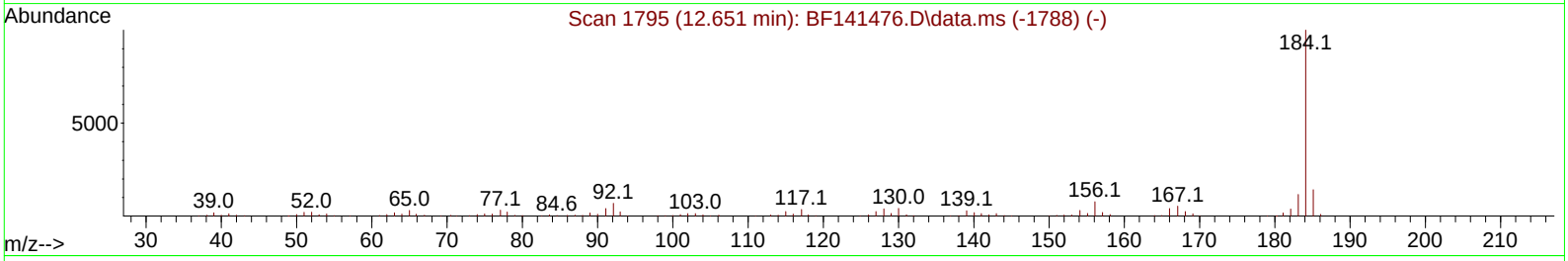
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021025\
Data File : BF141530.D
Acq On : 10 Feb 2025 11:08
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Feb 10 12:29:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration







TIC: BF141530.D\data.ms

(77) Benzidine

12.651min (-0.006) 32112.35 ng

response 784704

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.10	14.14
183.00	11.60	12.25
0.00	0.00	0.00

Raw Data: **BF141535.D**

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

Report of Analysis

Client:	Spectra East Inc.	Date Collected:	
Project:	Outfall 001 - Orangetown Dis Permit 2025	Date Received:	
Client Sample ID:	PB166619BL	SDG No.:	Q1322
Lab Sample ID:	PB166619BL	Matrix:	Water
Analytical Method:	625.1	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141535.D	1	02/07/25 11:55	02/10/25 15:17	PB166619

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
117-81-7	Bis(2-ethylhexyl)phthalate	1.90	U	1.90	5.00	ug/L
SURROGATES						
4165-60-0	Nitrobenzene-d5	90.2		60 - 140	90%	SPK: 100
321-60-8	2-Fluorobiphenyl	90.0		60 - 140	90%	SPK: 100
1718-51-0	Terphenyl-d14	81.1		60 - 140	81%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	97900	6.787			
1146-65-2	Naphthalene-d8	394000	8.069			
15067-26-2	Acenaphthene-d10	221000	9.822			
1517-22-2	Phenanthrene-d10	391000	11.31			
1719-03-5	Chrysene-d12	341000	13.951			
1520-96-3	Perylene-d12	281000	15.404			

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\BF021025\
Data File : BF141535.D
Acq On : 10 Feb 2025 15:17
Operator : RC/JU
Sample : PB166619BL
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166619BL

Quant Time: Feb 10 16:24:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

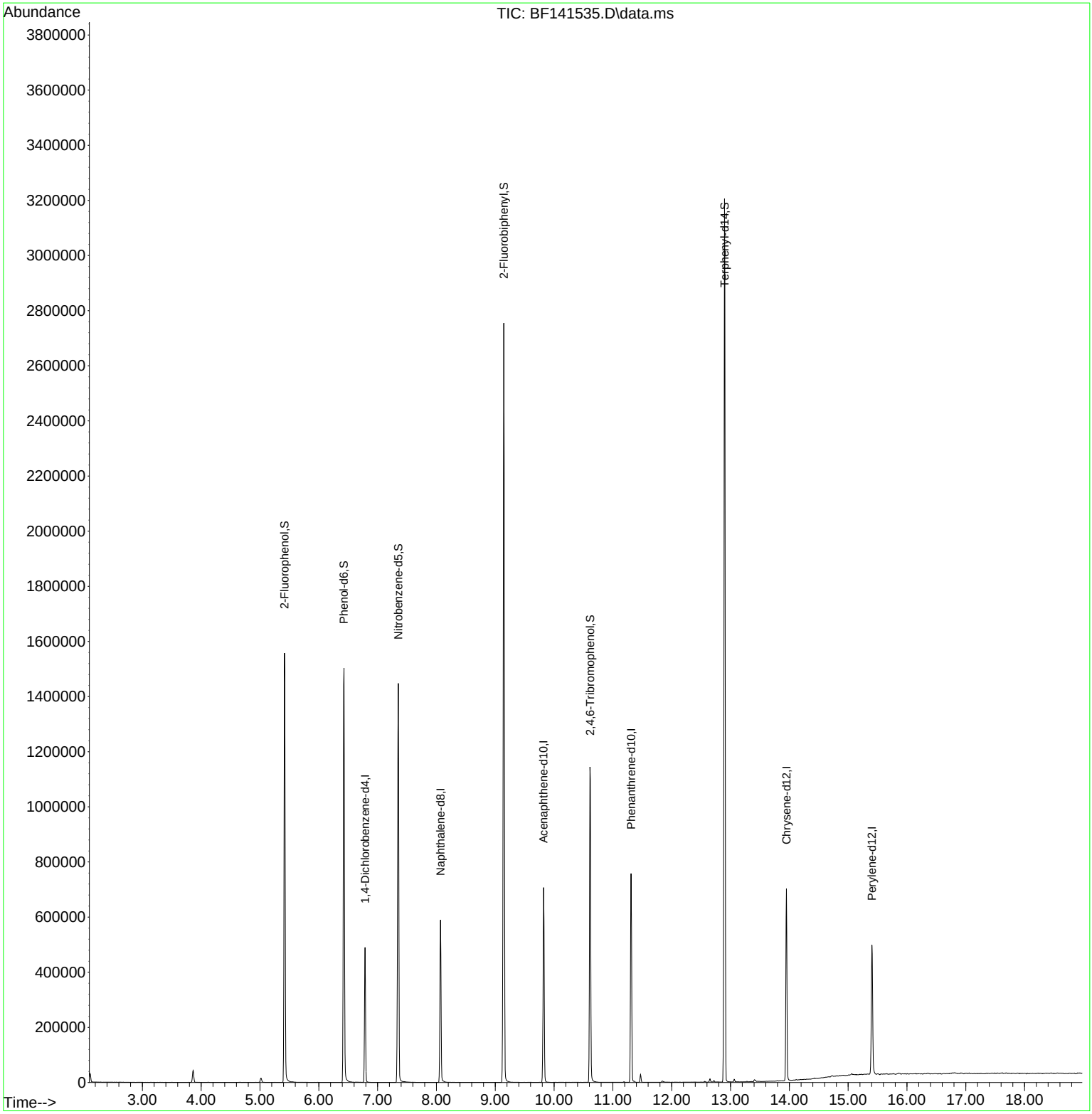
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	97885	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	393922	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	221436	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	390652	20.000	ng	0.00
76) Chrysene-d12	13.951	240	341278	20.000	ng	-0.01
86) Perylene-d12	15.404	264	281271	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	558412	89.436	ng	0.00
7) Phenol-d6	6.428	99	681684	86.382	ng	-0.01
23) Nitrobenzene-d5	7.351	82	681361	90.217	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	191173	85.943	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	1293206	89.975	ng	0.00
79) Terphenyl-d14	12.898	244	1639444	81.097	ng	0.00
Target Compounds						Qvalue

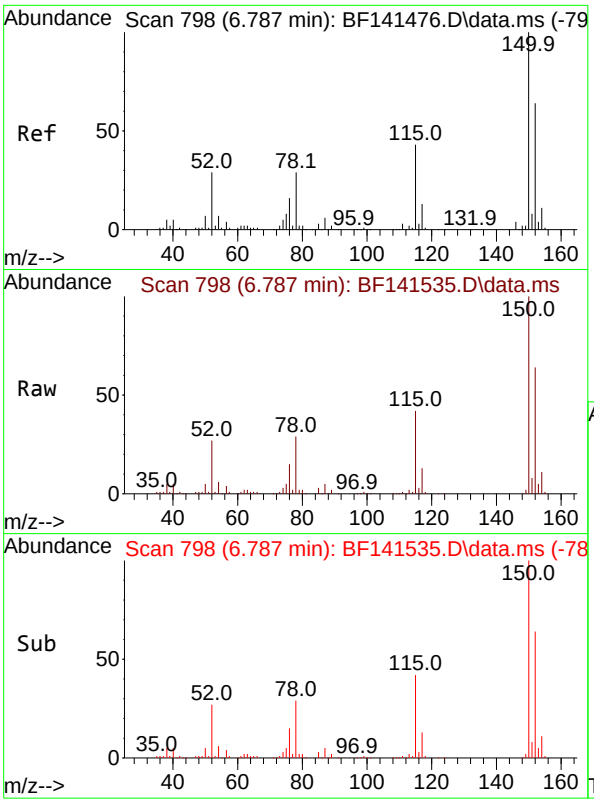
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021025\
Data File : BF141535.D
Acq On : 10 Feb 2025 15:17
Operator : RC/JU
Sample : PB166619BL
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166619BL

Quant Time: Feb 10 16:24:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration



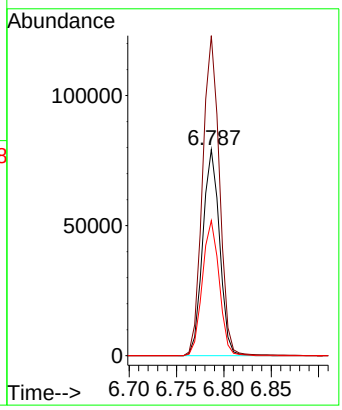


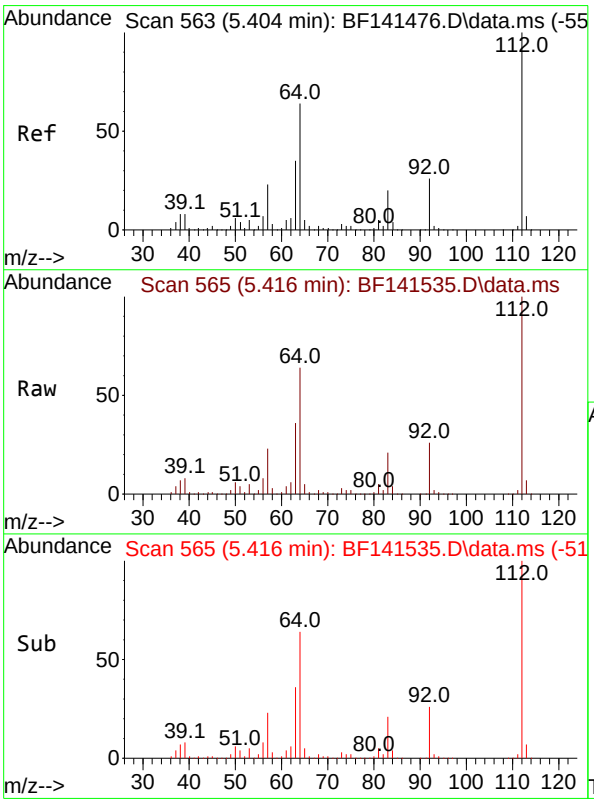
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 7
Delta R.T. -0.005 min
Lab File: BF141535.D
Acq: 10 Feb 2025 15:17

Instrument :
BNA_F
ClientSampleId :
PB166619BL

Tgt Ion:152 Resp: 97885

Ion	Ratio	Lower	Upper
152	100		
150	155.2	125.0	187.4
115	65.5	53.6	80.4

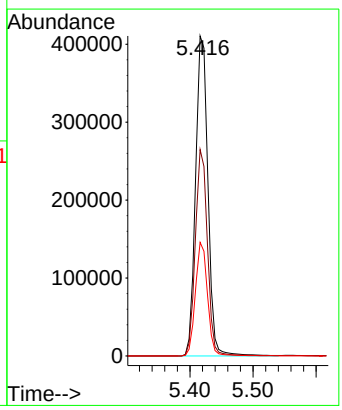


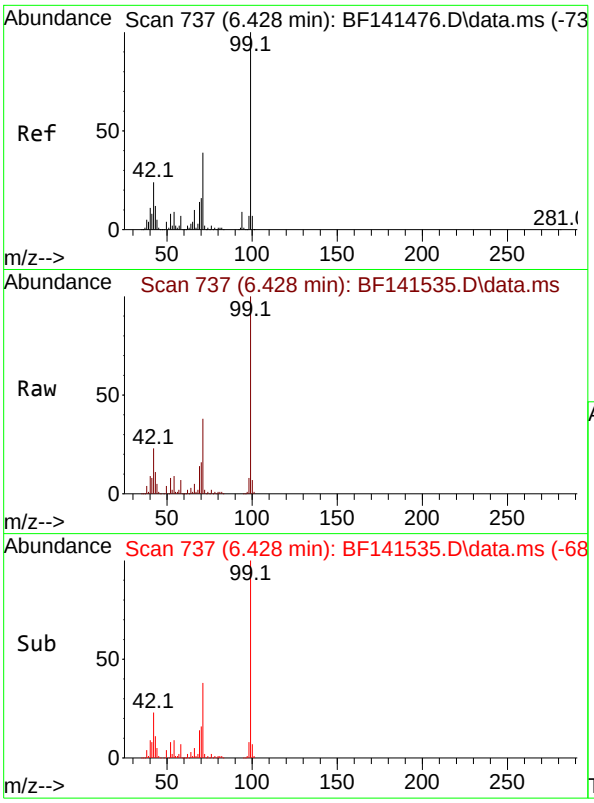


#5
2-Fluorophenol
Concen: 89.436 ng
RT: 5.416 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF141535.D
Acq: 10 Feb 2025 15:17

Tgt Ion:112 Resp: 558412

Ion	Ratio	Lower	Upper
112	100		
64	64.5	51.1	76.7
63	35.5	28.4	42.6



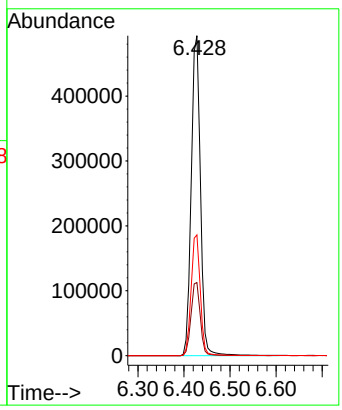


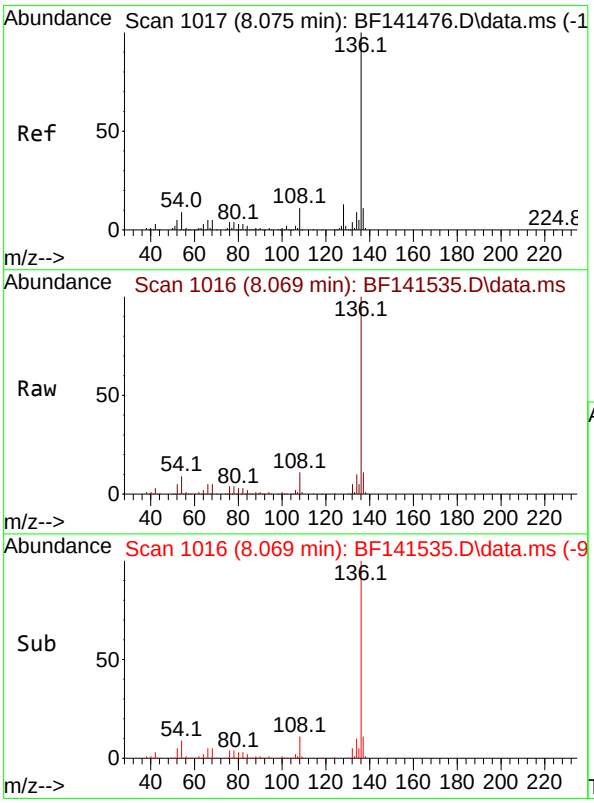
#7
Phenol-d6
Concen: 86.382 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.011 min
Lab File: BF141535.D
Acq: 10 Feb 2025 15:17

Instrument :
BNA_F
ClientSampleId :
PB166619BL

Tgt Ion: 99 Resp: 681684

Ion	Ratio	Lower	Upper
99	100		
42	22.9	19.1	28.7
71	37.8	31.1	46.7

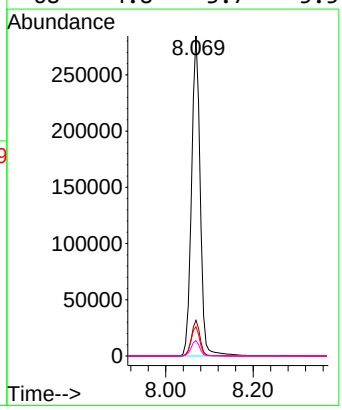


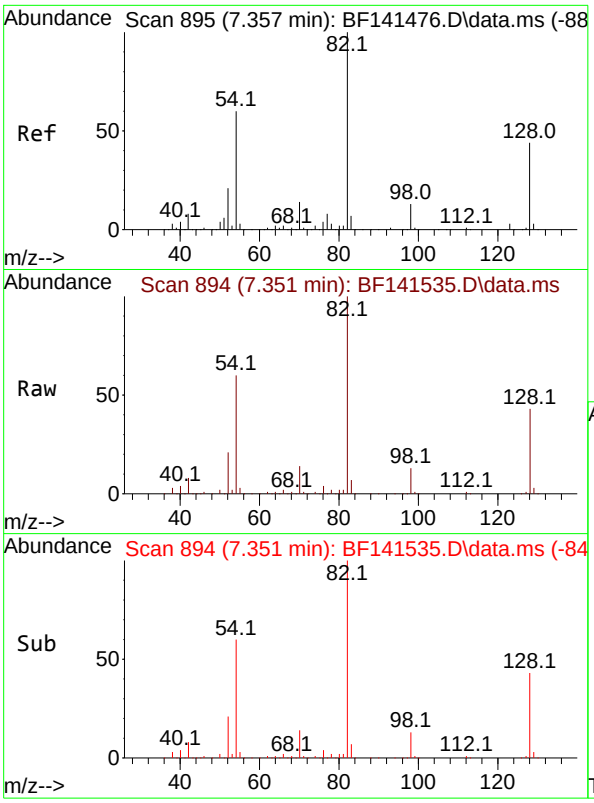


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF141535.D
Acq: 10 Feb 2025 15:17

Tgt Ion:136 Resp: 393922

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	9.1	7.2	10.8
68	4.8	3.7	5.5



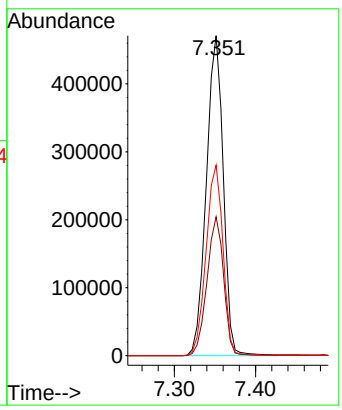


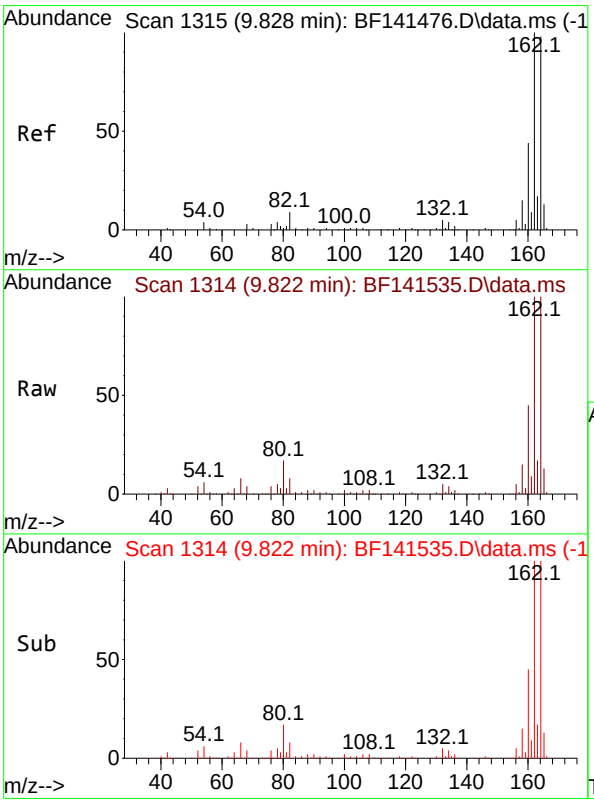
#23
Nitrobenzene-d5
Concen: 90.217 ng
RT: 7.351 min Scan# 8
Delta R.T. -0.011 min
Lab File: BF141535.D
Acq: 10 Feb 2025 15:17

Instrument :
BNA_F
ClientSampleId :
PB166619BL

Tgt Ion: 82 Resp: 681361

Ion	Ratio	Lower	Upper
82	100		
128	43.4	34.8	52.2
54	59.6	48.2	72.4

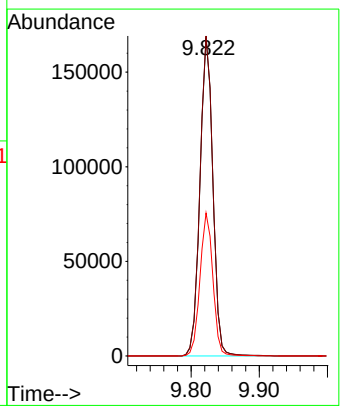


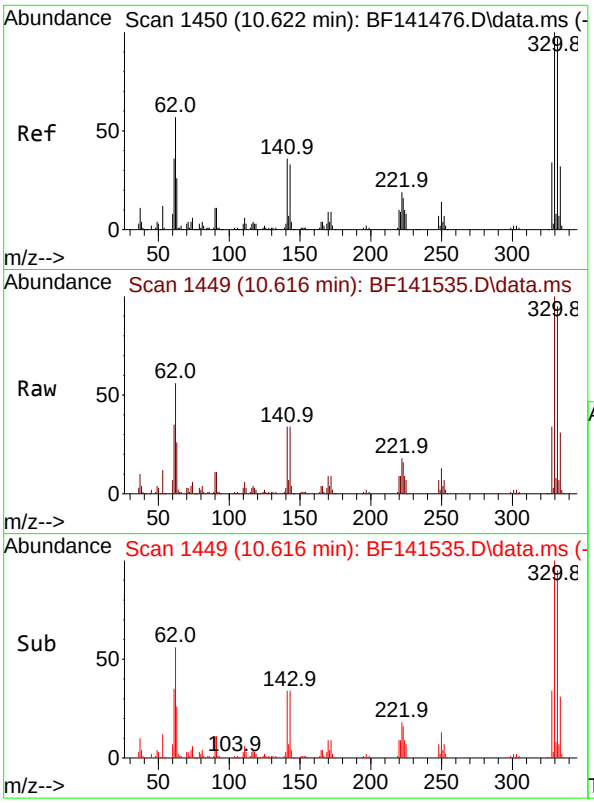


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF141535.D
Acq: 10 Feb 2025 15:17

Tgt Ion:164 Resp: 221436

Ion	Ratio	Lower	Upper
164	100		
162	100.5	81.3	121.9
160	44.8	35.9	53.9



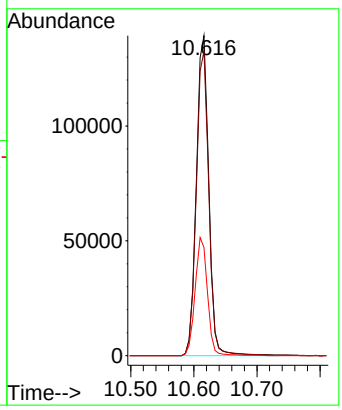


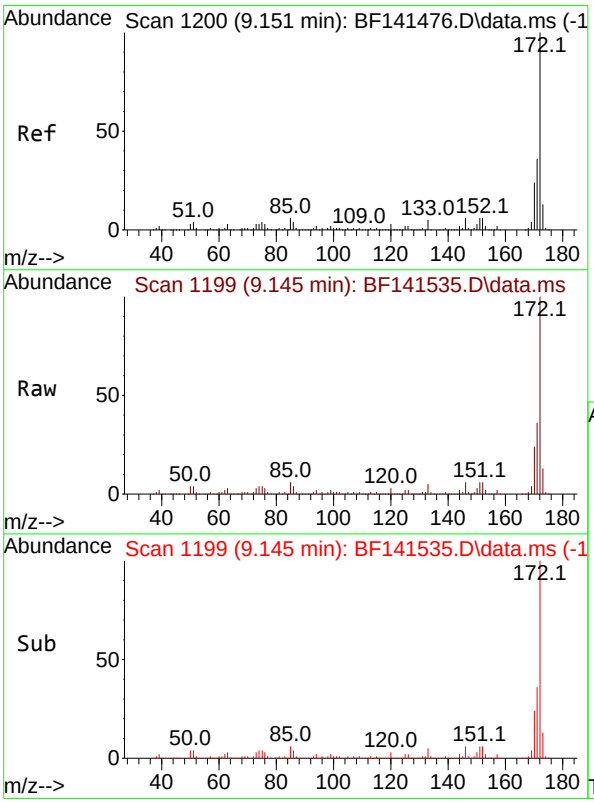
#42
2,4,6-Tribromophenol
Concen: 85.943 ng
RT: 10.616 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141535.D
Acq: 10 Feb 2025 15:17

Instrument :
BNA_F
ClientSampleId :
PB166619BL

Tgt Ion:330 Resp: 191173

Ion	Ratio	Lower	Upper
330	100		
332	95.3	78.5	117.7
141	36.7	31.0	46.4

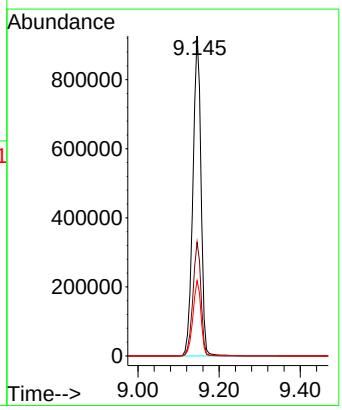


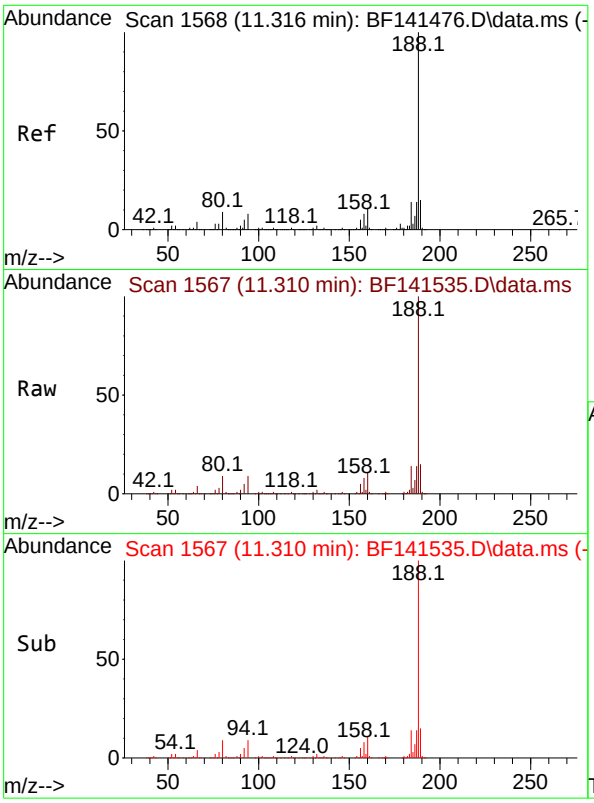


#45
2-Fluorobiphenyl
Concen: 89.975 ng
RT: 9.145 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BF141535.D
Acq: 10 Feb 2025 15:17

Tgt Ion:172 Resp: 1293206

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.7	43.1
170	23.5	18.9	28.3



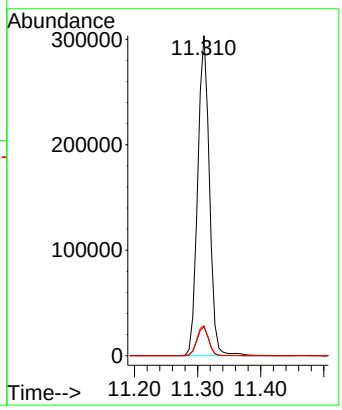


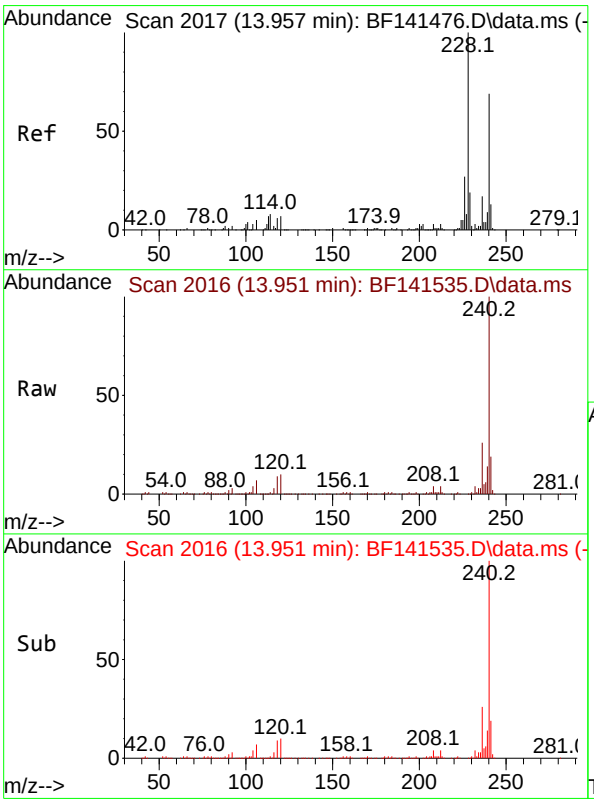
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141535.D
Acq: 10 Feb 2025 15:17

Instrument :
BNA_F
ClientSampleId :
PB166619BL

Tgt Ion:188 Resp: 390652

Ion	Ratio	Lower	Upper
188	100		
94	8.9	6.6	10.0
80	9.4	7.3	10.9

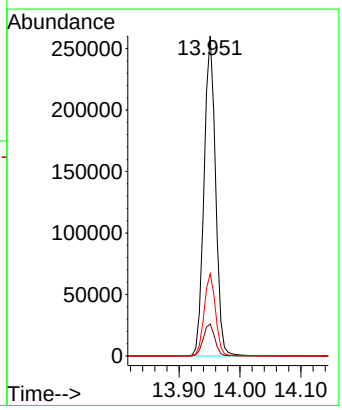


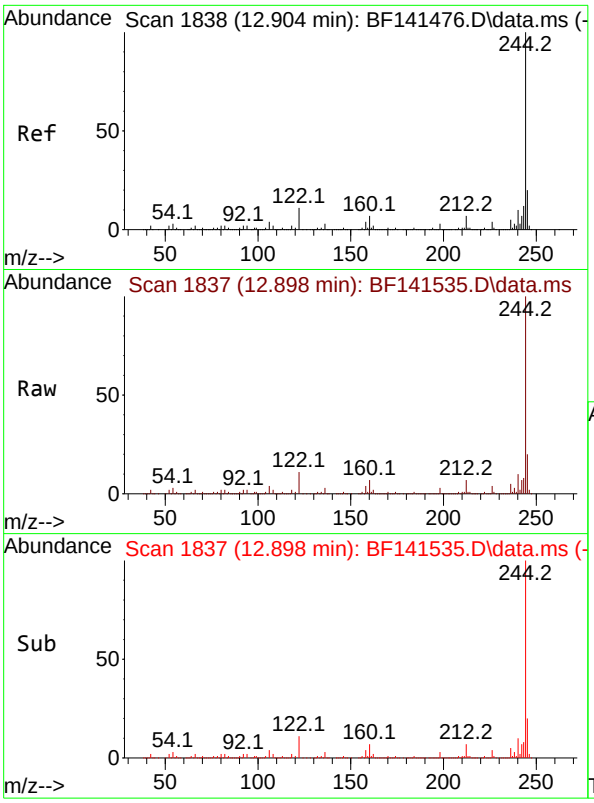


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.012 min
Lab File: BF141535.D
Acq: 10 Feb 2025 15:17

Tgt Ion:240 Resp: 341278

Ion	Ratio	Lower	Upper
240	100		
120	9.9	8.0	12.0
236	25.7	19.8	29.8



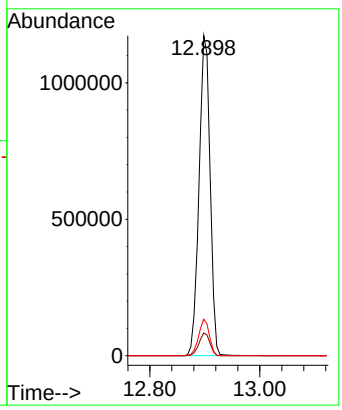


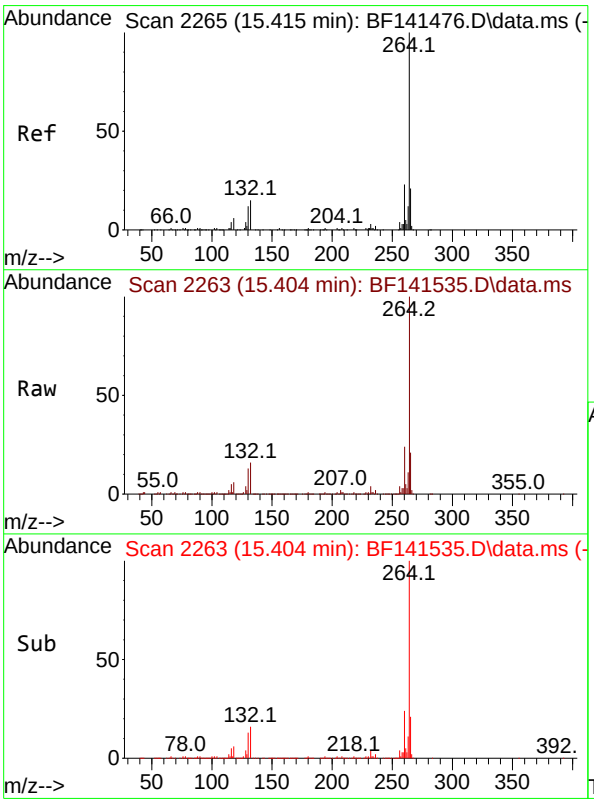
#79
Terphenyl-d14
Concen: 81.097 ng
RT: 12.898 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141535.D
Acq: 10 Feb 2025 15:17

Instrument :
BNA_F
ClientSampleId :
PB166619BL

Tgt Ion:244 Resp: 1639444

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.6	8.4
122	11.4	8.4	12.6

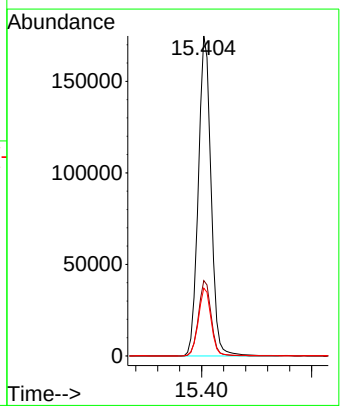




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.404 min Scan# 2263
Delta R.T. -0.011 min
Lab File: BF141535.D
Acq: 10 Feb 2025 15:17

Tgt Ion:264 Resp: 281271

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.6	28.0
265	21.2	17.0	25.4



Raw Data: **BF141533.D**

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

Report of Analysis

Client:	Spectra East Inc.	Date Collected:	
Project:	Outfall 001 - Orangetown Dis Permit 2025	Date Received:	
Client Sample ID:	PB166619BS	SDG No.:	Q1322
Lab Sample ID:	PB166619BS	Matrix:	Water
Analytical Method:	625.1	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141533.D	1	02/07/25 11:55	02/10/25 12:26	PB166619

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
117-81-7	Bis(2-ethylhexyl)phthalate	50.9		1.90	5.00	ug/L
SURROGATES						
4165-60-0	Nitrobenzene-d5	95.0		60 - 140	95%	SPK: 100
321-60-8	2-Fluorobiphenyl	96.3		60 - 140	96%	SPK: 100
1718-51-0	Terphenyl-d14	102		60 - 140	102%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	90200	6.787			
1146-65-2	Naphthalene-d8	364000	8.075			
15067-26-2	Acenaphthene-d10	200000	9.828			
1517-22-2	Phenanthrene-d10	341000	11.316			
1719-03-5	Chrysene-d12	224000	13.963			
1520-96-3	Perylene-d12	194000	15.445			

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: **BF141533.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021025\
Data File : BF141533.D
Acq On : 10 Feb 2025 12:26
Operator : RC/JU
Sample : PB166619BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 10 12:54:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB166619BS

Manual Integrations APPROVED

Reviewed By :Anahy Claudio
02/11/2025
Supervised By :Jagrut Upadhyay
02/11/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	90197	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	363645	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	200498	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	341345	20.000	ng	0.00
76) Chrysene-d12	13.963	240	224165	20.000	ng	0.00
86) Perylene-d12	15.445	264	193889	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	542298	94.259	ng	0.01
7) Phenol-d6	6.434	99	663533	91.249	ng	0.00
23) Nitrobenzene-d5	7.357	82	662117	94.969	ng	0.00
42) 2,4,6-Tribromophenol	10.622	330	185126	91.915	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	1253313	96.306	ng	0.00
79) Terphenyl-d14	12.898	244	1359805	102.406	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.581	88	96761	41.787	ng	98
3) Pyridine	3.310	79	230819	41.889	ng	99
4) n-Nitrosodimethylamine	3.263	42	161187	44.178	ng	99
6) Aniline	6.451	93	293162	42.978	ng	93
8) 2-Chlorophenol	6.581	128	285789	45.971	ng	100
9) Benzaldehyde	6.340	77	165581	42.850	ng	99
10) Phenol	6.445	94	340192	44.949	ng	97
11) bis(2-Chloroethyl)ether	6.528	93	258448	45.464	ng	99
12) 1,3-Dichlorobenzene	6.728	146	292036	44.497	ng	99
13) 1,4-Dichlorobenzene	6.804	146	297996	44.440	ng	100
14) 1,2-Dichlorobenzene	6.957	146	286894	46.098	ng	98
15) Benzyl Alcohol	6.934	79	252931	45.358	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.063	45	447885	46.026	ng	77
17) 2-Methylphenol	7.051	107	221410	45.512	ng	98
18) Hexachloroethane	7.298	117	112819	45.461	ng	98
19) n-Nitroso-di-n-propyla...	7.204	70	196850	45.257	ng	100
20) 3+4-Methylphenols	7.204	107	281250	45.491	ng	99
22) Acetophenone	7.198	105	436054	48.205	ng	98
24) Nitrobenzene	7.375	77	301990	44.420	ng	99
25) Isophorone	7.616	82	537486	48.350	ng	99
26) 2-Nitrophenol	7.692	139	151808	44.882	ng	94
27) 2,4-Dimethylphenol	7.734	122	230740	58.395	ng	99
28) bis(2-Chloroethoxy)met...	7.822	93	326230	45.798	ng	100
29) 2,4-Dichlorophenol	7.939	162	234745	43.969	ng	99
30) 1,2,4-Trichlorobenzene	8.016	180	257928	44.364	ng	99
31) Naphthalene	8.092	128	821878	43.419	ng	100
32) Benzoic acid	7.869	122	172184	41.952	ng	98
33) 4-Chloroaniline	8.145	127	218486	33.060	ng	99
34) Hexachlorobutadiene	8.210	225	158452	45.398	ng	99
35) Caprolactam	8.522	113	82348m	50.659	ng	
36) 4-Chloro-3-methylphenol	8.633	107	259537	43.886	ng	100
37) 2-Methylnaphthalene	8.786	142	522602	42.427	ng	99
38) 1-Methylnaphthalene	8.886	142	508295	42.606	ng	98
40) 1,2,4,5-Tetrachloroben...	8.951	216	282482	48.698	ng	98
41) Hexachlorocyclopentadiene	8.939	237	317193	164.405	ng	99
43) 2,4,6-Trichlorophenol	9.069	196	170317	45.429	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021025\
Data File : BF141533.D
Acq On : 10 Feb 2025 12:26
Operator : RC/JU
Sample : PB166619BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 10 12:54:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB166619BS

Manual Integrations APPROVED

Reviewed By :Anahy Claudio
02/11/2025
Supervised By :Jagrut Upadhyay
02/11/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.116	196	176861	43.529	ng	97
46) 1,1'-Biphenyl	9.251	154	755777	48.621	ng	99
47) 2-Chloronaphthalene	9.275	162	512881	44.620	ng	100
48) 2-Nitroaniline	9.375	65	171825	44.542	ng	98
49) Acenaphthylene	9.692	152	793675	46.422	ng	100
50) Dimethylphthalate	9.551	163	609272	44.762	ng	99
51) 2,6-Dinitrotoluene	9.616	165	134492	45.199	ng	98
52) Acenaphthene	9.863	154	512099	44.554	ng	99
53) 3-Nitroaniline	9.786	138	87976	27.471	ng	99
54) 2,4-Dinitrophenol	9.898	184	159087	89.959	ng	96
55) Dibenzofuran	10.033	168	726329	43.052	ng	100
56) 4-Nitrophenol	9.963	139	217637	91.546	ng	98
57) 2,4-Dinitrotoluene	10.022	165	184501	46.578	ng	99
58) Fluorene	10.375	166	578509	44.348	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.157	232	153497	43.880	ng	97
60) Diethylphthalate	10.251	149	589921	44.051	ng	100
61) 4-Chlorophenyl-phenyle...	10.369	204	279211	44.491	ng	99
62) 4-Nitroaniline	10.398	138	137313	42.225	ng	98
63) Azobenzene	10.527	77	580381	43.594	ng	99
65) 4,6-Dinitro-2-methylph...	10.433	198	103421	43.616	ng	98
66) n-Nitrosodiphenylamine	10.486	169	499439	45.708	ng	99
67) 4-Bromophenyl-phenylether	10.857	248	173022	45.353	ng	97
68) Hexachlorobenzene	10.927	284	185767	47.288	ng	98
69) Atrazine	11.022	200	194866	59.446	ng	98
70) Pentachlorophenol	11.122	266	214572	85.422	ng	100
71) Phenanthrene	11.339	178	855349	45.523	ng	100
72) Anthracene	11.392	178	881404	46.665	ng	100
73) Carbazole	11.545	167	753860	44.357	ng	100
74) Di-n-butylphthalate	11.874	149	899944	45.860	ng	100
75) Fluoranthene	12.527	202	863445	43.344	ng	100
77) Benzidine	12.651	184	371347	75.114	ng	99
78) Pyrene	12.757	202	876728	45.944	ng	99
80) Butylbenzylphthalate	13.374	149	322579	48.804	ng	99
81) Benzo(a)anthracene	13.951	228	688760	46.222	ng	100
82) 3,3'-Dichlorobenzidine	13.915	252	126075	29.536	ng	99
83) Chrysene	13.992	228	610220	44.351	ng	100
84) Bis(2-ethylhexyl)phtha...	13.939	149	379642	50.927	ng	99
85) Di-n-octyl phthalate	14.580	149	583387	54.857	ng	100
87) Indeno(1,2,3-cd)pyrene	16.898	276	612239	51.104	ng	100
88) Benzo(b)fluoranthene	15.021	252	590236	45.338	ng	100
89) Benzo(k)fluoranthene	15.051	252	436093	39.228	ng	99
90) Benzo(a)pyrene	15.380	252	485203	46.059	ng	97
91) Dibenzo(a,h)anthracene	16.909	278	494642	50.955	ng	100
92) Benzo(g,h,i)perylene	17.333	276	484949	47.739	ng	99

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

Sample Results: **BF141533.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021025\
Data File : BF141533.D
Acq On : 10 Feb 2025 12:26
Operator : RC/JU
Sample : PB166619BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 10 12:54:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB166619BS

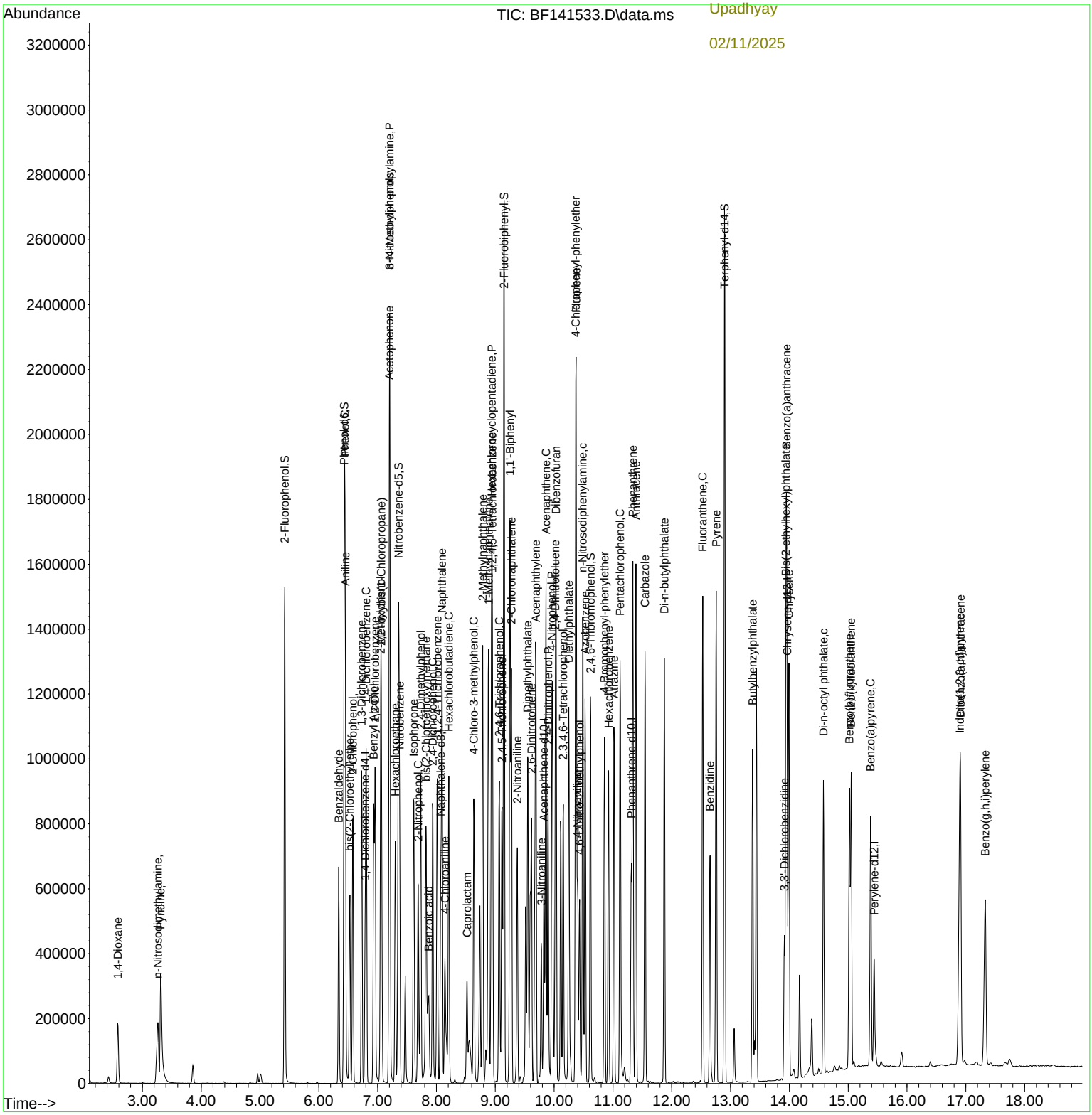
Manual Integrations APPROVED

Reviewed By :Anahy Claudio

02/11/2025

Supervised By :Jagrut Upadhyay

02/11/2025



Raw Data: **BF141534.D**

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

Report of Analysis

Client:	Spectra East Inc.	Date Collected:	
Project:	Outfall 001 - Orangetown Dis Permit 2025	Date Received:	
Client Sample ID:	PB166619BSD	SDG No.:	Q1322
Lab Sample ID:	PB166619BSD	Matrix:	Water
Analytical Method:	625.1	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141534.D	1	02/07/25 11:55	02/10/25 14:50	PB166619

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
117-81-7	Bis(2-ethylhexyl)phthalate	54.6		1.90	5.00	ug/L
SURROGATES						
4165-60-0	Nitrobenzene-d5	94.9		60 - 140	95%	SPK: 100
321-60-8	2-Fluorobiphenyl	95.9		60 - 140	96%	SPK: 100
1718-51-0	Terphenyl-d14	94.7		60 - 140	95%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	96000	6.787			
1146-65-2	Naphthalene-d8	377000	8.069			
15067-26-2	Acenaphthene-d10	210000	9.828			
1517-22-2	Phenanthrene-d10	377000	11.316			
1719-03-5	Chrysene-d12	280000	13.957			
1520-96-3	Perylene-d12	214000	15.41			

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: **BF141534.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021025\
Data File : BF141534.D
Acq On : 10 Feb 2025 14:50
Operator : RC/JU
Sample : PB166619BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 10 16:11:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB166619BSD

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	95997	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	377178	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	209865	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	377001	20.000	ng	0.00
76) Chrysene-d12	13.957	240	279833	20.000	ng	0.00
86) Perylene-d12	15.410	264	213547	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	558682	91.239	ng	0.01
7) Phenol-d6	6.434	99	687360	88.814	ng	0.00
23) Nitrobenzene-d5	7.357	82	686210	94.893	ng	0.00
42) 2,4,6-Tribromophenol	10.622	330	204296	96.906	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	1306396	95.904	ng	0.00
79) Terphenyl-d14	12.898	244	1570248	94.730	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.587	88	99638	40.430	ng	99
3) Pyridine	3.316	79	240477	41.005	ng	98
4) n-Nitrosodimethylamine	3.269	42	166686	42.925	ng	98
6) Aniline	6.451	93	277583	38.235	ng	91
8) 2-Chlorophenol	6.581	128	294606	44.527	ng	99
9) Benzaldehyde	6.340	77	174279	42.376	ng	100
10) Phenol	6.446	94	347102	43.091	ng	99
11) bis(2-Chloroethyl)ether	6.528	93	264025	43.639	ng	100
12) 1,3-Dichlorobenzene	6.728	146	304043	43.527	ng	99
13) 1,4-Dichlorobenzene	6.804	146	306916	43.005	ng	99
14) 1,2-Dichlorobenzene	6.957	146	294141	44.407	ng	99
15) Benzyl Alcohol	6.934	79	262585	44.244	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.063	45	456583	44.085	ng	78
17) 2-Methylphenol	7.051	107	232641	44.931	ng	98
18) Hexachloroethane	7.298	117	116231	44.006	ng	99
19) n-Nitroso-di-n-propyla...	7.204	70	207232	44.765	ng	99
20) 3+4-Methylphenols	7.204	107	294698	44.786	ng	99
22) Acetophenone	7.198	105	449976	47.959	ng	99
24) Nitrobenzene	7.375	77	310367	44.014	ng	100
25) Isophorone	7.610	82	559554	48.529	ng	100
26) 2-Nitrophenol	7.687	139	157059	44.768	ng	98
27) 2,4-Dimethylphenol	7.734	122	235994	57.582	ng	99
28) bis(2-Chloroethoxy)met...	7.822	93	337735	45.712	ng	99
29) 2,4-Dichlorophenol	7.934	162	250588	45.253	ng	98
30) 1,2,4-Trichlorobenzene	8.010	180	269228	44.647	ng	98
31) Naphthalene	8.092	128	856478	43.623	ng	100
32) Benzoic acid	7.869	122	191645	45.018	ng	97
33) 4-Chloroaniline	8.145	127	161790	23.602	ng	98
34) Hexachlorobutadiene	8.210	225	165663	45.761	ng	99
35) Caprolactam	8.522	113	88582m	52.539	ng	
36) 4-Chloro-3-methylphenol	8.640	107	273858	44.646	ng	98
37) 2-Methylnaphthalene	8.787	142	547745	42.872	ng	100
38) 1-Methylnaphthalene	8.887	142	530275	42.854	ng	98
40) 1,2,4,5-Tetrachloroben...	8.951	216	292629	48.196	ng	98
41) Hexachlorocyclopentadiene	8.934	237	335825	166.293	ng	98
43) 2,4,6-Trichlorophenol	9.069	196	175171	44.639	ng	98

Sample Results: **BF141534.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021025\
Data File : BF141534.D
Acq On : 10 Feb 2025 14:50
Operator : RC/JU
Sample : PB166619BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 10 16:11:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB166619BSD

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	191040	44.920	ng	98
46) 1,1'-Biphenyl	9.251	154	789781	48.541	ng	100
47) 2-Chloronaphthalene	9.275	162	541823	45.034	ng	100
48) 2-Nitroaniline	9.375	65	185825	46.021	ng	98
49) Acenaphthylene	9.687	152	840198	46.950	ng	99
50) Dimethylphthalate	9.551	163	653932	45.899	ng	99
51) 2,6-Dinitrotoluene	9.616	165	142649	45.801	ng	99
52) Acenaphthene	9.863	154	518292	43.080	ng	98
53) 3-Nitroaniline	9.781	138	95384	28.454	ng	99
54) 2,4-Dinitrophenol	9.898	184	192910	104.216	ng	95
55) Dibenzofuran	10.034	168	764398	43.286	ng	100
56) 4-Nitrophenol	9.963	139	238630	95.896	ng	98
57) 2,4-Dinitrotoluene	10.022	165	198937	47.981	ng	99
58) Fluorene	10.375	166	618620	45.306	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.157	232	162941	44.501	ng	98
60) Diethylphthalate	10.251	149	644091	45.949	ng	100
61) 4-Chlorophenyl-phenyle...	10.369	204	294294	44.802	ng	99
62) 4-Nitroaniline	10.404	138	155164	45.585	ng	99
63) Azobenzene	10.528	77	621343	44.588	ng	99
65) 4,6-Dinitro-2-methylph...	10.434	198	118791	45.360	ng	99
66) n-Nitrosodiphenylamine	10.486	169	539587	44.712	ng	99
67) 4-Bromophenyl-phenylether	10.857	248	186720	44.315	ng	97
68) Hexachlorobenzene	10.928	284	197021	45.410	ng	99
69) Atrazine	11.022	200	217536	60.085	ng	98
70) Pentachlorophenol	11.122	266	242651	87.465	ng	98
71) Phenanthrene	11.339	178	926703	44.656	ng	100
72) Anthracene	11.392	178	952892	45.678	ng	100
73) Carbazole	11.545	167	849420	45.253	ng	100
74) Di-n-butylphthalate	11.875	149	1030826	47.561	ng	100
75) Fluoranthene	12.528	202	982683	44.665	ng	100
77) Benzidine	12.651	184	454469	73.640	ng	100
78) Pyrene	12.757	202	1012339	42.497	ng	100
80) Butylbenzylphthalate	13.375	149	409478	49.628	ng	98
81) Benzo(a)anthracene	13.945	228	825263	44.366	ng	100
82) 3,3'-Dichlorobenzidine	13.910	252	152077	28.540	ng	99
83) Chrysene	13.986	228	780158	45.422	ng	99
84) Bis(2-ethylhexyl)phtha...	13.933	149	507844	54.572	ng	100
85) Di-n-octyl phthalate	14.551	149	747578	56.312	ng	99
87) Indeno(1,2,3-cd)pyrene	16.857	276	613905	46.526	ng	100
88) Benzo(b)fluoranthene	14.992	252	622569	43.419	ng	99
89) Benzo(k)fluoranthene	15.021	252	606756	49.556	ng	99
90) Benzo(a)pyrene	15.351	252	557473	48.048	ng	99
91) Dibenzo(a,h)anthracene	16.868	278	490065	45.836	ng	100
92) Benzo(g,h,i)perylene	17.292	276	481234	43.012	ng	99

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

Sample Results: **BF141534.D**

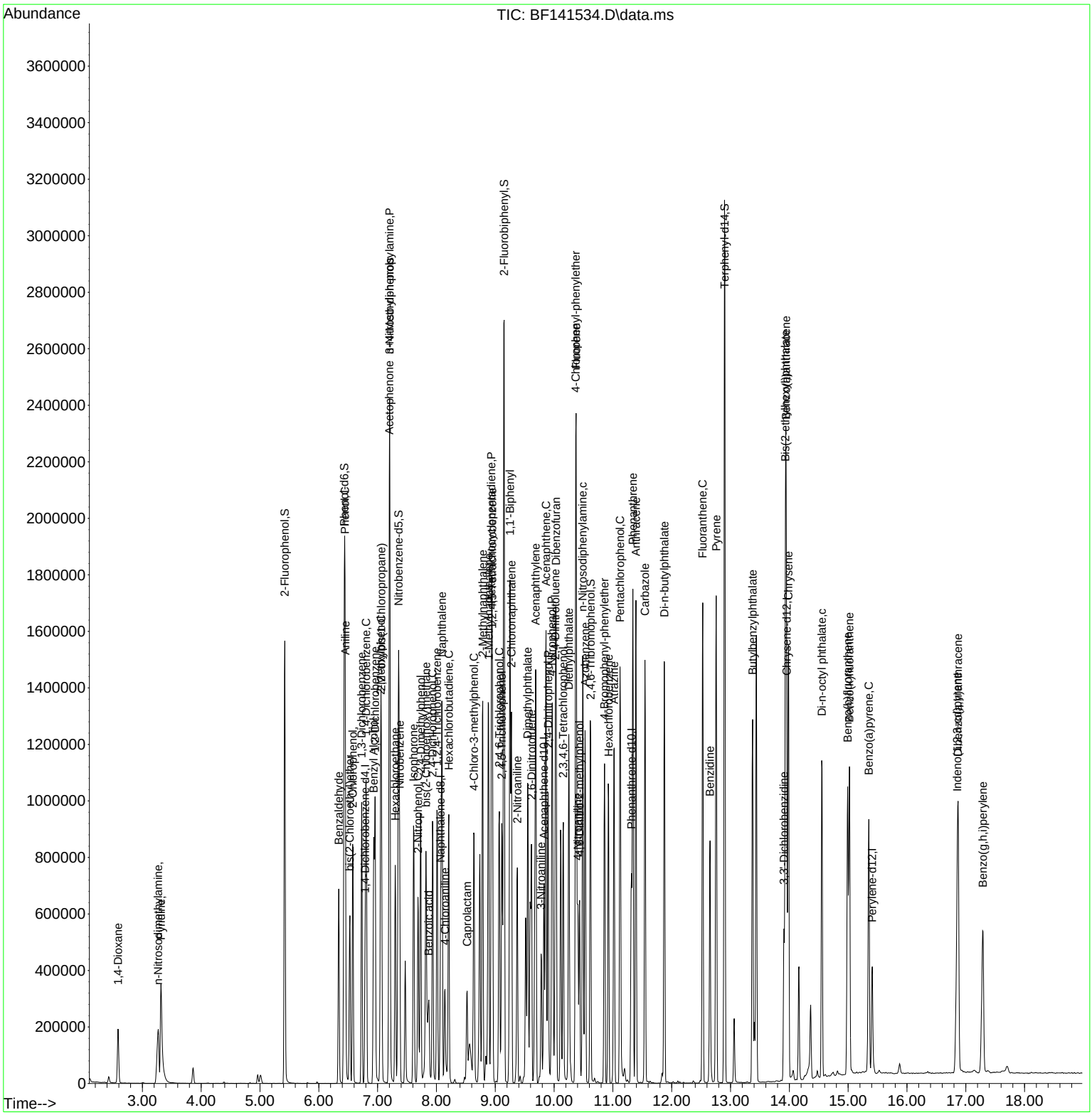
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021025\
Data File : BF141534.D
Acq On : 10 Feb 2025 14:50
Operator : RC/JU
Sample : PB166619BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 10 16:11:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB166619BSD

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025



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

Manual Integration Report

Sequence:	bf020625	Instrument	BNA_f

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

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

Manual Integration Report

Sequence:	BF021025	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB166619BS	BF141533.D	Caprolactam	anahy	2/11/2025 12:03:05 PM	Jagrut	2/11/2025 6:20:18 PM	Peak Integrated by Software
PB166619BSD	BF141534.D	Caprolactam	anahy	2/11/2025 12:04:33 PM	Jagrut	2/11/2025 6:20:49 PM	Peak Integrated by Software

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF020625

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

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

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

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 # BF020625

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

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

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

M : Manual Integration

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 # BF021025

Review By	Rahul	Review On	2/11/2025 4:19:14 PM				
Supervise By	Jagrut	Supervise On	2/11/2025 6:20:58 PM				
SubDirectory	BF021025	HP Acquire Method	BNA_F		HP Processing Method	bf020625	

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

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141530.D	10 Feb 2025 11:08	RC/JU	Ok
2	SSTDCCC040	BF141531.D	10 Feb 2025 11:34	RC/JU	Ok
3	PB166610BL	BF141532.D	10 Feb 2025 12:00	RC/JU	Ok
4	PB166619BS	BF141533.D	10 Feb 2025 12:26	RC/JU	Ok,M
5	PB166619BSD	BF141534.D	10 Feb 2025 14:50	RC/JU	Ok,M
6	PB166619BL	BF141535.D	10 Feb 2025 15:17	RC/JU	Ok
7	Q1322-01	BF141536.D	10 Feb 2025 15:57	RC/JU	Ok
8	Q1299-04	BF141537.D	10 Feb 2025 16:23	RC/JU	Ok
9	Q1299-04MS	BF141538.D	10 Feb 2025 16:49	RC/JU	Ok,M
10	Q1299-04MSD	BF141539.D	10 Feb 2025 17:16	RC/JU	Ok,M
11	Q1299-08	BF141540.D	10 Feb 2025 17:42	RC/JU	Ok
12	Q1309-04	BF141541.D	10 Feb 2025 18:08	RC/JU	Ok
13	Q1344-01	BF141542.D	10 Feb 2025 18:34	RC/JU	Ok
14	Q1344-03	BF141543.D	10 Feb 2025 19:01	RC/JU	Ok
15	Q1288-01DL	BF141544.D	10 Feb 2025 19:27	RC/JU	Ok,M
16	Q1215-07DL	BF141545.D	10 Feb 2025 19:53	RC/JU	Ok,M
17	Q1241-03DL	BF141546.D	10 Feb 2025 20:19	RC/JU	Ok,M
18	Q1232-15DL	BF141547.D	10 Feb 2025 20:45	RC/JU	Ok,M
19	Q1216-15DL	BF141548.D	10 Feb 2025 21:12	RC/JU	Ok,M
20	Q1241-15DL	BF141549.D	10 Feb 2025 21:38	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 # BF020625

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

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

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

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Fax : 908 789 8922

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF020625

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

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

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

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF021025

Review By	Rahul	Review On	2/11/2025 4:19:14 PM		
Supervise By	Jagrut	Supervise On	2/11/2025 6:20:58 PM		
SubDirectory	BF021025	HP Acquire Method	BNA_F	HP Processing Method	bf020625

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

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF141530.D	10 Feb 2025 11:08		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF141531.D	10 Feb 2025 11:34		RC/JU	Ok
3	PB166610BL	PB166610BL	BF141532.D	10 Feb 2025 12:00		RC/JU	Ok
4	PB166619BS	PB166619BS	BF141533.D	10 Feb 2025 12:26		RC/JU	Ok,M
5	PB166619BSD	PB166619BSD	BF141534.D	10 Feb 2025 14:50		RC/JU	Ok,M
6	PB166619BL	PB166619BL	BF141535.D	10 Feb 2025 15:17		RC/JU	Ok
7	Q1322-01	MANHOLE	BF141536.D	10 Feb 2025 15:57		RC/JU	Ok
8	Q1299-04	WC-1	BF141537.D	10 Feb 2025 16:23		RC/JU	Ok
9	Q1299-04MS	WC-1MS	BF141538.D	10 Feb 2025 16:49		RC/JU	Ok,M
10	Q1299-04MSD	WC-1MSD	BF141539.D	10 Feb 2025 17:16		RC/JU	Ok,M
11	Q1299-08	WC-2	BF141540.D	10 Feb 2025 17:42		RC/JU	Ok
12	Q1309-04	WC-2	BF141541.D	10 Feb 2025 18:08		RC/JU	Ok
13	Q1344-01	SOIL-1	BF141542.D	10 Feb 2025 18:34		RC/JU	Ok
14	Q1344-03	SOIL-2	BF141543.D	10 Feb 2025 19:01		RC/JU	Ok
15	Q1288-01DL	HR-01-020425DL	BF141544.D	10 Feb 2025 19:27		RC/JU	Ok,M
16	Q1215-07DL	JPP-29.2-012825DL	BF141545.D	10 Feb 2025 19:53		RC/JU	Ok,M
17	Q1241-03DL	JPP-3.5-013025DL	BF141546.D	10 Feb 2025 20:19		RC/JU	Ok,M
18	Q1232-15DL	JPP-42.2-012925DL	BF141547.D	10 Feb 2025 20:45		RC/JU	Ok,M

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Fax : 908 789 8922

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF021025

Review By	Rahul	Review On	2/11/2025 4:19:14 PM		
Supervise By	Jagrut	Supervise On	2/11/2025 6:20:58 PM		
SubDirectory	BF021025	HP Acquire Method	BNA_F	HP Processing Method	bf020625

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

19	Q1216-15DL	JPP-26.1-012825DL	BF141548.D	10 Feb 2025 21:12		RC/JU	Ok,M
20	Q1241-15DL	JPP-5.4-013025DL	BF141549.D	10 Feb 2025 21:38		RC/JU	Ok,M

M : Manual Integration

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EXTRACTION LOGPAGE

PB166619

SOP ID:	M625.1-BNA-20				
Clean Up SOP #:	N/A			**Extraction Start Date :**	02/07/2025
Matrix :	Water			**Extraction Start Time :**	11:55
Weigh By:	N/A	**Extraction By:**	RS	**Extraction End Date :**	02/07/2025
Balance check:	N/A	**Filter By:**	RS	**Extraction End Time :**	16:30
Balance ID:	N/A	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	E3574	**Hood ID:**	4,6,7	**Supervisor By :**	rajesh

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

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6720
Surrogate	1.0ML	100 PPM	SP6640
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	E3874
Baked Na2SO4	N/A	EP2581
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
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5 ML Vial lot# 2210673. pH Adjusted<2 with 1:1 H2SO4 & >11 with10 N NaOH.

KD Bath ID:	Water bath -01	**Envap ID:**	NEVAP-02
KD Bath Temperature:	60 °C	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
02/07/25 16:35	RP (Set Tech)	Rclsvpc
	Preparation Group	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB166619

Analytical Method: M625.1-BNA-20

Concentration Date: 02/07/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB166619BL	SBLK619	SVOCMS Group1	1000	6	RUPESH	Evelyn	1			SEP-13
PB166619BS	SLCS619	SVOCMS Group1	1000	6	RUPESH	Evelyn	1			14
PB166619BSD	SLCSD619	SVOCMS Group1	1000	6	RUPESH	Evelyn	1			15
Q1322-01	MANHOLE	SVOCMS Group1	960	6	RUPESH	Evelyn	1	K		16

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

2/7/25

166619
11:55

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1322 **WorkList ID :** 187572 **Department :** Extraction **Date :** 02-07-2025 11:53:29

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1322-01	MANHOLE	Water	PCB	Cool 4 deg C	SPEC01	N41	02/06/2025	8082A
Q1322-01	MANHOLE	Water	PESTICIDE Group1	Cool 4 deg C	SPEC01	N41	02/06/2025	608.3
Q1322-01	MANHOLE	Water	SVOCMS Group1	Cool 4 deg C	SPEC01	N41	02/06/2025	625.1

Date/Time 02/07/25 11:54
Raw Sample Received by: RS (EOL Logs)
Raw Sample Relinquished by: J.C (SVM)

Date/Time 02/07/25 12:10
Raw Sample Received by: J.C (SVM)
Raw Sample Relinquished by: RS (EOL Logs)

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO.
QUOTE NO. Q1322
COC Number 2046286

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Spectra East inc
ADDRESS: 8 King Road
CITY Rockleigh STATE: NJ ZIP: 07647
ATTENTION: Jacob Valeich
PHONE 201-767-7070 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Outfall 001-Orangetown D.S permit 2025
PROJECT NO.: LOCATION:
PROJECT MANAGER:
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

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

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☐ Level 2 (Results + QC)
- ☐ Level 3 (Results + QC + Raw Data)
- ☐ Level 4 (QC + Full Raw Data)
- ☐ NJ Reduced
- ☐ NYS ASP A
- ☐ NYS ASP B
- ☐ US EPA CLP
- ☐ Other _____
- ☐ EDD FORMAT _____

ANALYSIS

1 Oil & Grease + Mineral
2 Phenolics
3. SVOC
4 PCB
5 Pesticides
6 Nitrate
7 BOD5
8 TSS
9 VOC →

PRESERVATIVES

C C E E E E E E A

COMMENTS

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

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	1	2	3	4	5	6	7	8	9	COMMENTS
1.	Manhole	W	✓		2-6-25	1055	19	✓	✓	✓	✓	✓	✓	✓	✓	✓	
2.																	PH 8.22
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

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

	DATE/TIME	RECEIVED BY	DATE/TIME
1. RELINQUISHED BY SAMPLER:	1150 2-6-25	1.	1150 2-6-25
2. RELINQUISHED BY SAMPLER:	DATE/TIME:	2. RECEIVED BY:	
3. RELINQUISHED BY SAMPLER:	DATE/TIME: 1830 2-6-25	3. RECEIVED BY:	

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.1 °C
Comments:

Page 1 of 2

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

Alliance TECHNICAL GROUP

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www.chemtech.net

ALLIANCE PROJECT NO.
QUOTE NO. Q1322
COC Number 2046149

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Spectra East Inc.
ADDRESS: 8 King Road
CITY Rockleigh STATE: NJ ZIP: 07647
ATTENTION: Jacob Valeich
PHONE: 201-767-7070 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Outfall 001- Orangetown D/S permit 2025
PROJECT NO.: LOCATION:
PROJECT MANAGER:
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

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

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC + Raw Data) ☐ NYS ASP A ☐ NYS ASP B
☐ Other _____
☐ EDD FORMAT _____

ANALYSIS

1	2	3	4	5	6	7	8	9
Metals	Cyanide	Cyanide-Amenable	COD	Ammonia	LL Hg			

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	Manhole	WW	✓		2-6-25	1055	19	B ✓	D ✓	D ✓	C ✓	C ✓	A ✓	✓			
2.																	
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

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

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

	DATE/TIME	RECEIVED BY
RELINQUISHED BY SAMPLER: 1.	DATE/TIME: 1150 2-6-25	RECEIVED BY: 1. 1150 2-6-25
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY: 2.
RELINQUISHED BY SAMPLER: 3.	DATE/TIME: 1830 2-6-25	RECEIVED BY: 3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.1 °C
Comments:

Page 2 of 2

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

CHEMTECH 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

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1322 SPEC01
Client Name : Spectra East Inc.
Client Contact : Jacob Valeich
Invoice Name : Spectra East Inc.
Invoice Contact : Jacob Valeich

Order Date : 2/6/2025 1:17:00 PM
Project Name : Outfall 001 - Orangetown E
Receive DateTime : 2/6/2025 ~~12:00:00 AM~~ 10:30
Purchase Order :

Project Mgr :
Report Type : Level 2
EDD Type : EXCEL NOCLEANUP
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1322-01	MANHOLE	Water	02/06/2025	10:55					
					VOCMS Group1		624.1		10 Bus. Days

Relinguished By :
Date / Time : 2-7-25 10:23

Received By : Gary
Date / Time : 2/7/25 10:23 N&H 5

Storage Area : VOA Refridgerator Room