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

Cover Page

Order ID : P4843

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

Client : ENTACT

Lab Sample Number	Client Sample Number
P4843-01	SW-WTS-01

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: 11/22/2024

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 #: **P4843**

	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: **SHREENA PATEL** **Date:** **11/22/2024**

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LAB CHRONICLE

OrderID:	P4843	**OrderDate:**	11/13/2024 3:18:00 PM
Client:	ENTACT	**Project:**	540 Degraw St, Brooklyn, NY - E9309
Contact:	Jarod Stanfield	**Location:**	L23,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4843-01	**SW-WTS-01**	**Water**			**11/13/24**			**11/13/24**
			SVOCMS Group4	8270E		11/16/24	11/20/24	

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Hit Summary Sheet
SW-846

SDG No.: P4843

Client: ENTACT

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID :	**SW-WTS-01**							
P4843-01	SW-WTS-01	WATER	Naphthalene	54.400		1	5.1	ug/L
			Total Svoc :			**54.40**		
			Total Concentration:			**54.40**		

QC SUMMARY

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Surrogate Summary

SW-846

SDG No.: P4843

Client: ENTACT

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P4843-01	SW-WTS-01	2-Fluorophenol	150	67.6	45		15 (10)	110 (139)
		Phenol-d6	150	41.3	28		15 (10)	110 (134)
		Nitrobenzene-d5	100	93.3	93		30 (49)	130 (133)
		2-Fluorobiphenyl	100	97.7	98		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	135	90		15 (44)	110 (137)
		Terphenyl-d14	100	93.4	93		30 (48)	130 (125)
PB165039BL	PB165039BL	2-Fluorophenol	150	125	83		15 (10)	110 (139)
		Phenol-d6	150	120	80		15 (10)	110 (134)
		Nitrobenzene-d5	100	86.8	87		30 (49)	130 (133)
		2-Fluorobiphenyl	100	90.2	90		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	128	85		15 (44)	110 (137)
		Terphenyl-d14	100	87.1	87		30 (48)	130 (125)
PB165039BS	PB165039BS	2-Fluorophenol	150	121	81		15 (10)	110 (139)
		Phenol-d6	150	117	78		15 (10)	110 (134)
		Nitrobenzene-d5	100	83.1	83		30 (49)	130 (133)
		2-Fluorobiphenyl	100	84.5	84		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	130	86		15 (44)	110 (137)
		Terphenyl-d14	100	94.8	95		30 (48)	130 (125)
PB165039BSD	PB165039BSD	2-Fluorophenol	150	121	81		15 (10)	110 (139)
		Phenol-d6	150	117	78		15 (10)	110 (134)
		Nitrobenzene-d5	100	82.7	83		30 (49)	130 (133)
		2-Fluorobiphenyl	100	85.6	86		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	131	87		15 (44)	110 (137)
		Terphenyl-d14	100	93.3	93		30 (48)	130 (125)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4843

Client: ENTACT

Analytical Method: 8270E **DataFile:** BF140490.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB165039BS	Phenol	50	43.2	ug/L	86				20 (66)	160 (118)	
	1,4-Dichlorobenzene	50	42.4	ug/L	85				70 (76)	130 (103)	
	1,2,4-Trichlorobenzene	50	41.5	ug/L	83				70 (41)	130 (115)	
	Naphthalene	50	42.9	ug/L	86				70 (64)	130 (107)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4843

Client: ENTACT

Analytical Method: 8270E **DataFile:** BF140491.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB165039BSD	Phenol	50	42.4	ug/L	85	2			20 (66)	160 (118)	20 (20)
	1,4-Dichlorobenzene	50	41.8	ug/L	84	1			70 (76)	130 (103)	20 (20)
	1,2,4-Trichlorobenzene	50	41.3	ug/L	83	0			70 (41)	130 (115)	20 (20)
	Naphthalene	50	43.0	ug/L	86	0			70 (64)	130 (107)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB165039BL

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM Case No.: P4843 SAS No.: P4843 SDG NO.: P4843

Lab File ID: BF140489.D Lab Sample ID: PB165039BL

Instrument ID: BNA_F Date Extracted: 11/16/2024

Matrix: (soil/water) Water Date Analyzed: 11/20/2024

Level: (low/med) LOW Time Analyzed: 09:57

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB165039BS	PB165039BS	BF140490.D	11/20/2024
PB165039BSD	PB165039BSD	BF140491.D	11/20/2024
SW-WTS-01	P4843-01	BF140492.D	11/20/2024

COMMENTS:

Alliance TECHNICAL GROUP
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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM SAS No.: P4843 SDG NO.: P4843

Lab File ID: BF140331.D DFTPP Injection Date: 11/13/2024

Instrument ID: BNA_F DFTPP Injection Time: 08:35

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	36.9
68	Less than 2.0% of mass 69	0.7 (1.8) 1
69	Mass 69 relative abundance	38
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	48.6
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.4
275	10.0 - 60.0% of mass 198	28.3
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	14
442	Greater than 50% of mass 198	88.6
443	15.0 - 24.0% of mass 442	16.7 (18.8) 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	BF140332.D	11/13/2024	09:01
SSTDICC005	SSTDICC005	BF140333.D	11/13/2024	09:27
SSTDICC010	SSTDICC010	BF140334.D	11/13/2024	09:53
SSTDICC020	SSTDICC020	BF140335.D	11/13/2024	10:29
SSTDICC050	SSTDICC050	BF140337.D	11/13/2024	11:21
SSTDICC060	SSTDICC060	BF140338.D	11/13/2024	11:47
SSTDICC080	SSTDICC080	BF140339.D	11/13/2024	12:13
SSTDICCC040	SSTDICCC040	BF140340.D	11/13/2024	12:48

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM SAS No.: P4843 SDG NO.: P4843

Lab File ID: BF140487.D DFTPP Injection Date: 11/20/2024

Instrument ID: BNA_F DFTPP Injection Time: 09:04

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	34.1
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	35.9
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	48.2
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	29
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	15.2
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.3 (18.3) 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	BF140488.D	11/20/2024	09:31
PB165039BL	PB165039BL	BF140489.D	11/20/2024	09:57
PB165039BS	PB165039BS	BF140490.D	11/20/2024	10:23
PB165039BSD	PB165039BSD	BF140491.D	11/20/2024	10:49
SW-WTS-01	P4843-01	BF140492.D	11/20/2024	11:23

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4843 SAS No.: P4843 SDG NO.: P4843

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/20/2024

Lab File ID: BF140488.D Time Analyzed: 09:31

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	132364	6.875	490485	8.16	273054	9.92
	UPPER LIMIT	264728	7.375	980970	8.657	546108	10.416
	LOWER LIMIT	66182	6.375	245243	7.657	136527	9.416
	EPA SAMPLE NO.						
01	PB165039BL	125559	6.88	478277	8.15	268353	9.91
02	PB165039BS	123122	6.88	469130	8.16	266786	9.91
03	SW-WTS-01	109415	6.88	404300	8.15	209765	9.91
04	PB165039BSD	121736	6.88	462447	8.15	259407	9.91

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4843 SAS No.: P4843 SDG NO.: P4843

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/20/2024

Lab File ID: BF140488.D Time Analyzed: 09:31

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	510213	11.404	268548	14.051	246006	15.539
	UPPER LIMIT	1020430	11.904	537096	14.551	492012	16.039
	LOWER LIMIT	255107	10.904	134274	13.551	123003	15.039
	EPA SAMPLE NO.						
01	PB165039BL	515282	11.40	344131	14.06	286700	15.58
02	PB165039BS	499057	11.40	288313	14.06	231323	15.57
03	SW-WTS-01	331432	11.40	183045	14.05	217669	15.56
04	PB165039BSD	492347	11.40	292939	14.06	237975	15.57

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: **BF140492.D**

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Report of Analysis

Client:	ENTACT	Date Collected:	11/13/24
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	11/13/24
Client Sample ID:	SW-WTS-01	SDG No.:	P4843
Lab Sample ID:	P4843-01	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group4
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140492.D	1	11/16/24 08:15	11/20/24 11:23	PB165039

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
108-95-2	Phenol	0.94	U	0.94	5.10	ug/L
106-46-7	1,4-Dichlorobenzene	0.85	U	0.85	5.10	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.10	U	1.10	5.10	ug/L
91-20-3	Naphthalene	54.4		1.00	5.10	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	67.6		15 (10) - 110 (139)	45%	SPK: 150
13127-88-3	Phenol-d6	41.3		15 (10) - 110 (134)	28%	SPK: 150
4165-60-0	Nitrobenzene-d5	93.3		30 (49) - 130 (133)	93%	SPK: 100
321-60-8	2-Fluorobiphenyl	97.7		30 (52) - 130 (132)	98%	SPK: 100
118-79-6	2,4,6-Tribromophenol	135		15 (44) - 110 (137)	90%	SPK: 150
1718-51-0	Terphenyl-d14	93.4		30 (48) - 130 (125)	93%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	109000	6.875			
1146-65-2	Naphthalene-d8	404000	8.151			
15067-26-2	Acenaphthene-d10	210000	9.91			
1517-22-2	Phenanthrene-d10	331000	11.398			
1719-03-5	Chrysene-d12	183000	14.051			
1520-96-3	Perylene-d12	218000	15.556			

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: **BF140492.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140492.D
Acq On : 20 Nov 2024 11:23
Operator : RC/JU
Sample : P4843-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 20 11:53:18 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SW-WTS-01

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	109415	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	404300	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	209765	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	331432	20.000	ng	0.00
76) Chrysene-d12	14.051	240	183045	20.000	ng	0.00
86) Perylene-d12	15.556	264	217669	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	433235	67.605	ng	0.01
7) Phenol-d6	6.510	99	358627	41.306	ng	0.00
23) Nitrobenzene-d5	7.433	82	723771	93.273	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	282329	135.348	ng	0.00
45) 2-Fluorobiphenyl	9.227	172	1275132	97.721	ng	0.00
79) Terphenyl-d14	12.986	244	984646	93.373	ng	0.00
Target Compounds						Qvalue
15) Benzyl Alcohol	7.016	79	21003	3.358	ng	94
22) Acetophenone	7.275	105	31983	3.401	ng	# 91
31) Naphthalene	8.175	128	1103762	53.817	ng	99
32) Benzoic acid	7.939	122	87241m	21.600	ng	
37) 2-Methylnaphthalene	8.863	142	142205	10.813	ng	100
38) 1-Methylnaphthalene	8.963	142	149663	11.622	ng	99
52) Acenaphthene	9.939	154	41979	3.534	ng	97
58) Fluorene	10.457	166	27312	2.056	ng	98
71) Phenanthrene	11.421	178	58052	3.729	ng	100
74) Di-n-butylphthalate	11.957	149	946893	52.363	ng	100

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

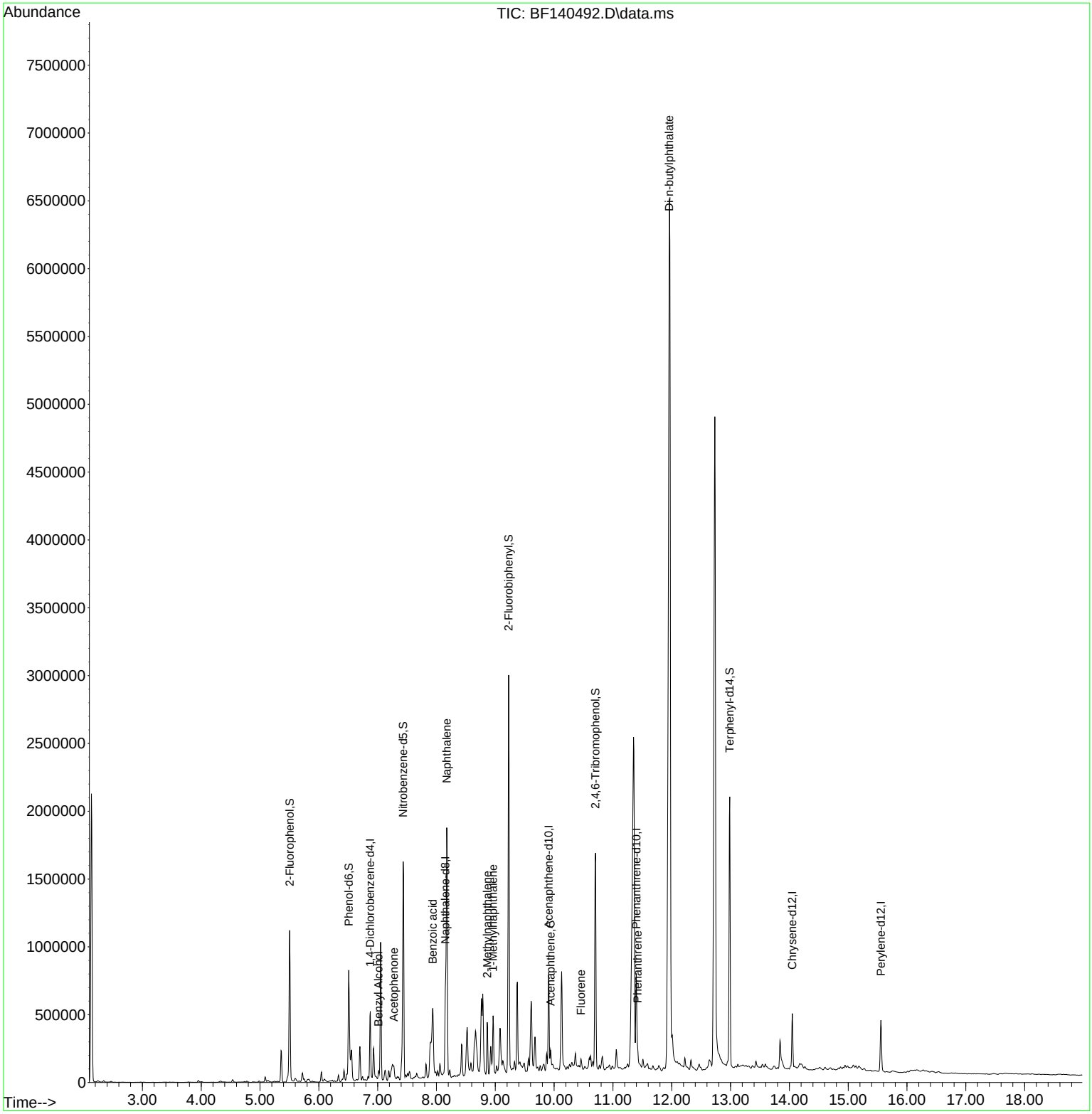
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140492.D
Acq On : 20 Nov 2024 11:23
Operator : RC/JU
Sample : P4843-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

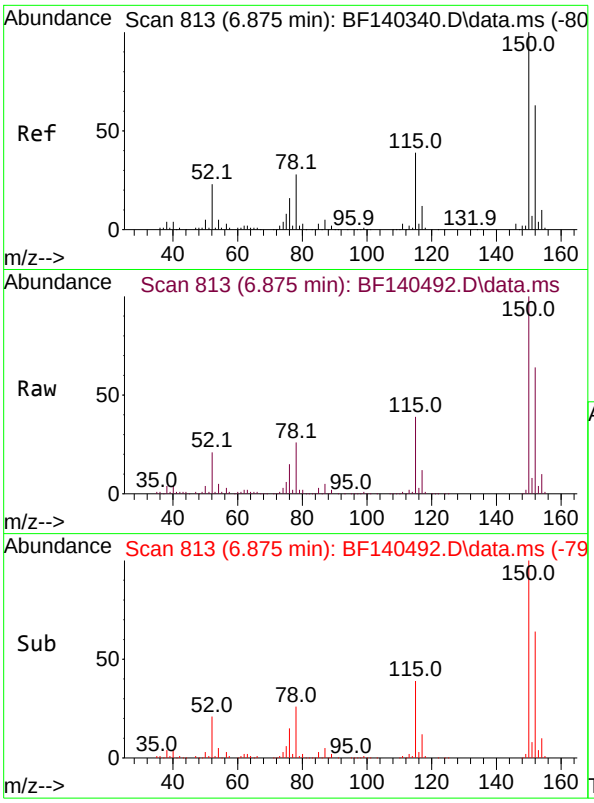
Quant Time: Nov 20 11:53:18 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SW-WTS-01

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

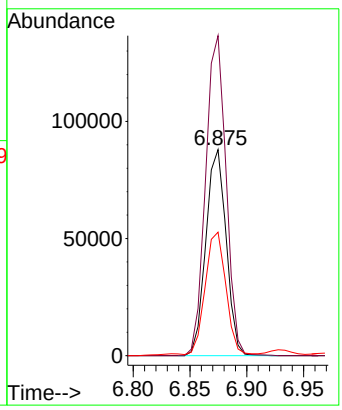




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF140492.D
Acq: 20 Nov 2024 11:23

Tgt Ion:152 Resp: 10941

Ion	Ratio	Lower	Upper
152	100		
150	155.2	127.4	191.0
115	60.0	47.4	71.2



Instrument :
BNA_F
ClientSampleId :
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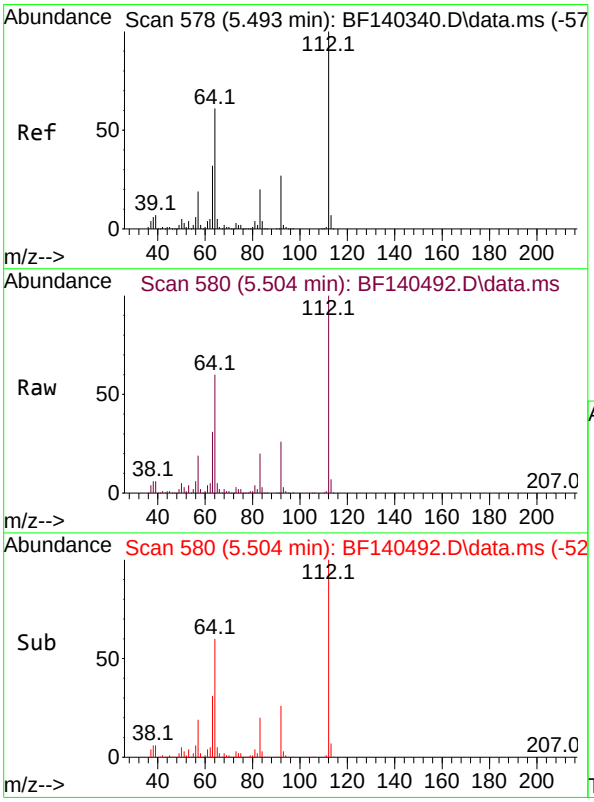
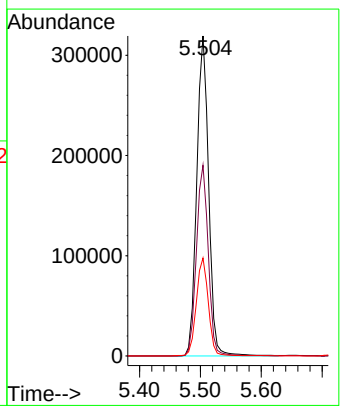
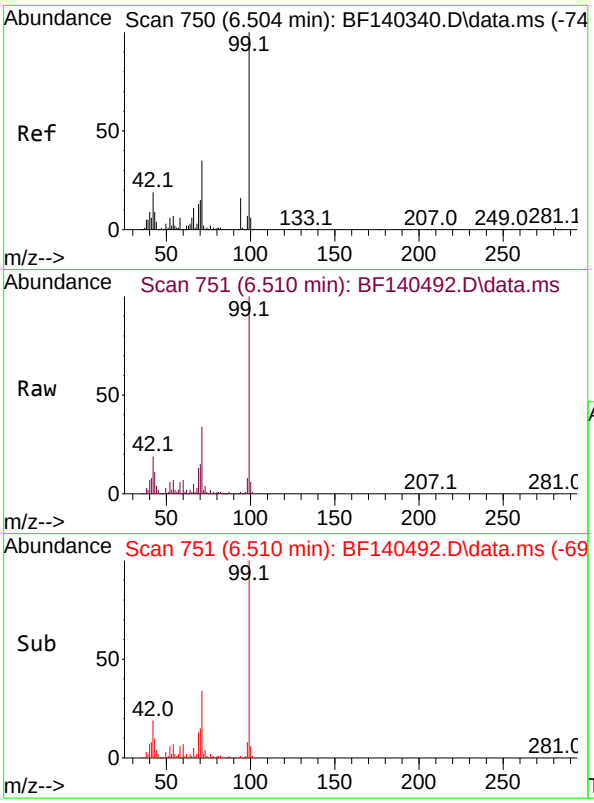


#5
2-Fluorophenol
Concen: 67.605 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.012 min
Lab File: BF140492.D
Acq: 20 Nov 2024 11:23

Tgt Ion:112 Resp: 433235

Ion	Ratio	Lower	Upper
112	100		
64	59.6	49.2	73.8
63	30.6	25.6	38.4

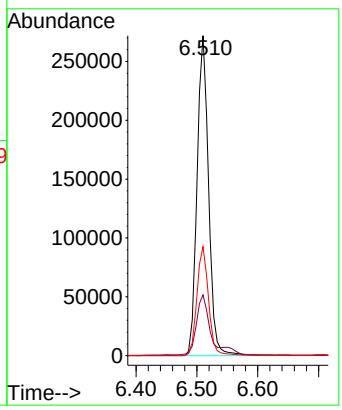




#7
Phenol-d6
Concen: 41.306 ng
RT: 6.510 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF140492.D
Acq: 20 Nov 2024 11:23

Tgt Ion: 99 Resp: 35862

Ion	Ratio	Lower	Upper
99	100		
42	19.0	15.1	22.7
71	34.0	27.9	41.9



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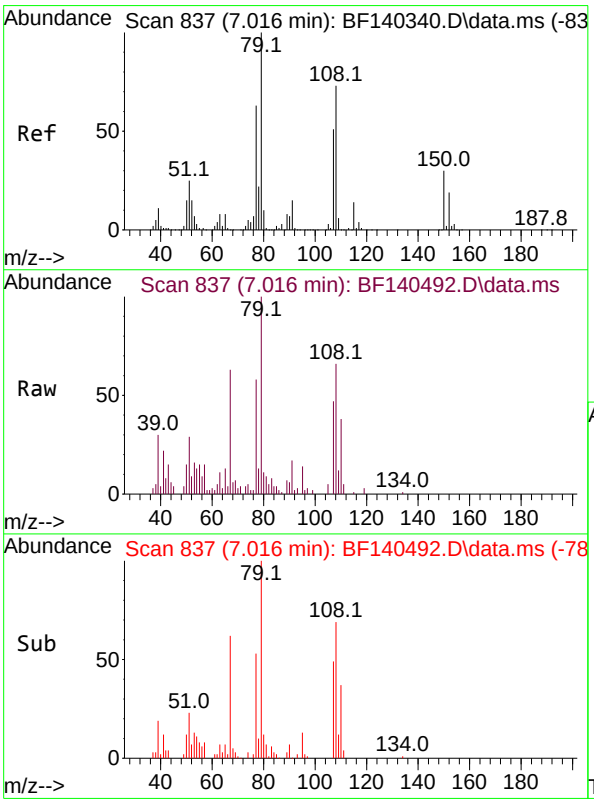
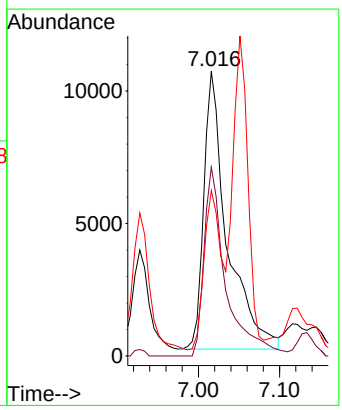
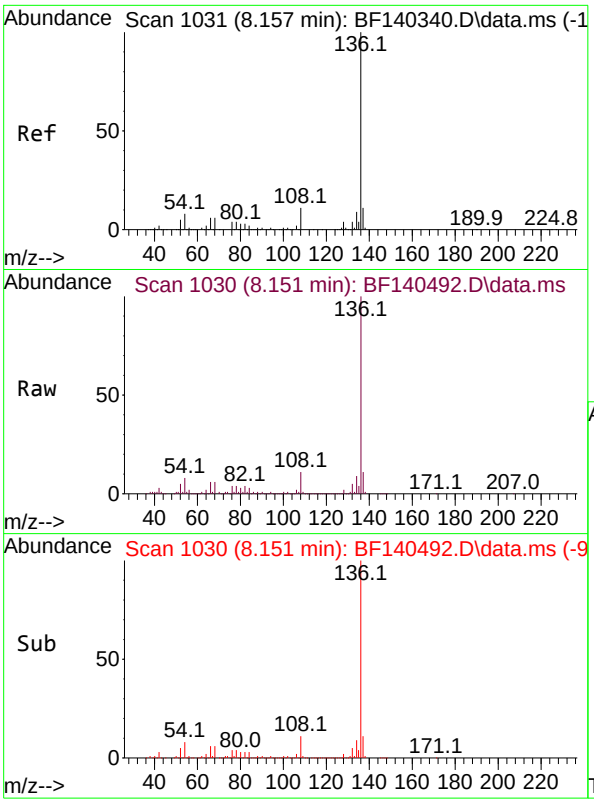


#15
Benzyl Alcohol
Concen: 3.358 ng
RT: 7.016 min Scan# 837
Delta R.T. -0.000 min
Lab File: BF140492.D
Acq: 20 Nov 2024 11:23

Tgt Ion: 79 Resp: 21003

Ion	Ratio	Lower	Upper
79	100		
108	66.3	57.8	86.6
77	58.0	49.8	74.6

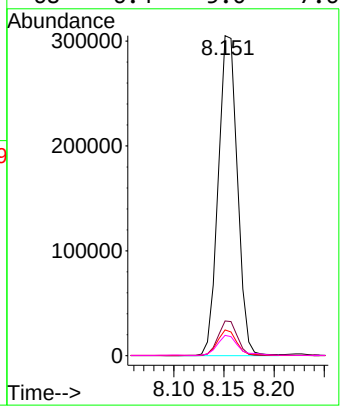




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140492.D
Acq: 20 Nov 2024 11:23

Tgt Ion:136 Resp: 40430

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	8.1	6.5	9.7
68	6.4	5.0	7.6



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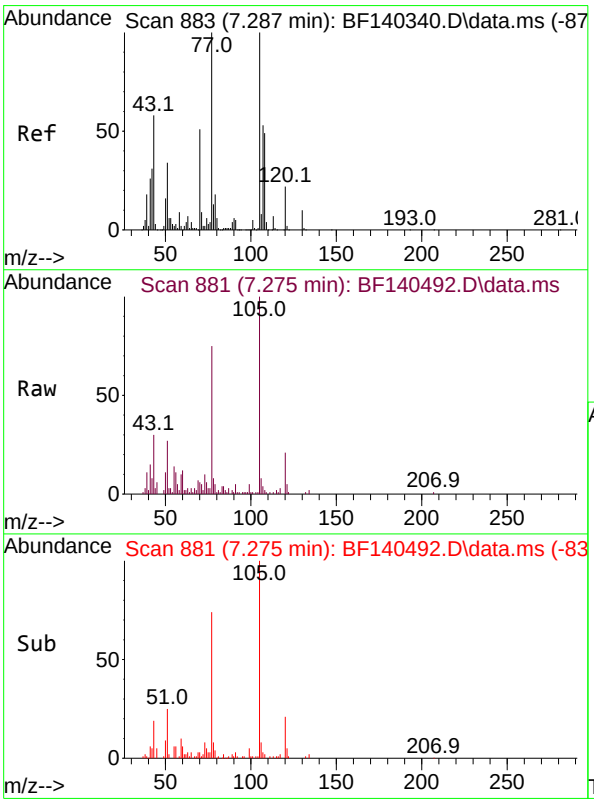
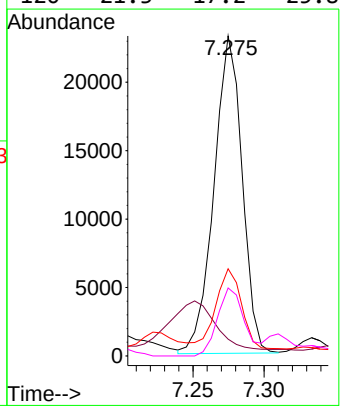
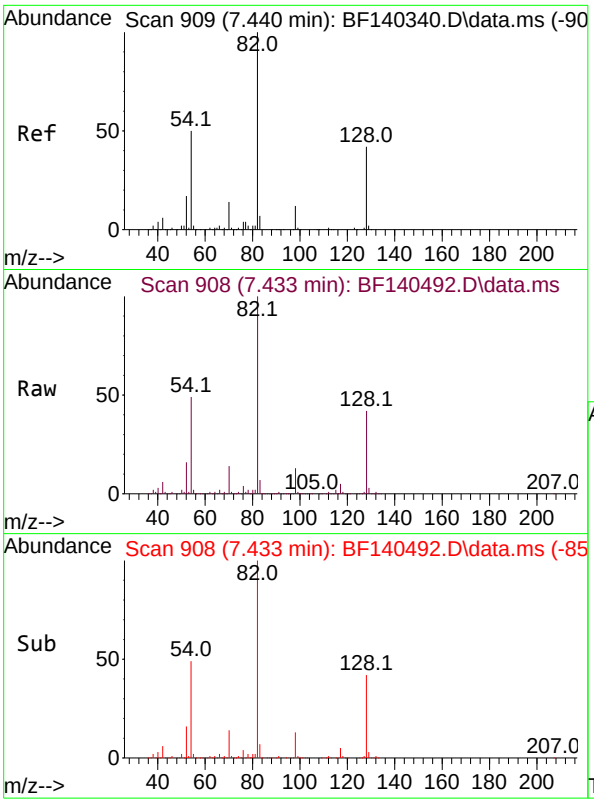


#22
Acetophenone
Concen: 3.401 ng
RT: 7.275 min Scan# 881
Delta R.T. -0.012 min
Lab File: BF140492.D
Acq: 20 Nov 2024 11:23

Tgt Ion:105 Resp: 31983

Ion	Ratio	Lower	Upper
105	100		
71	5.3	6.9	10.3#
51	27.3	28.6	43.0#
120	21.3	17.2	25.8





#23
Nitrobenzene-d5
Concen: 93.273 ng
RT: 7.433 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF140492.D
Acq: 20 Nov 2024 11:23

Tgt Ion: 82 Resp: 72377

Ion	Ratio	Lower	Upper
82	100		
128	42.0	33.3	49.9
54	48.7	39.8	59.8

Instrument :
BNA_F
ClientSampleId :
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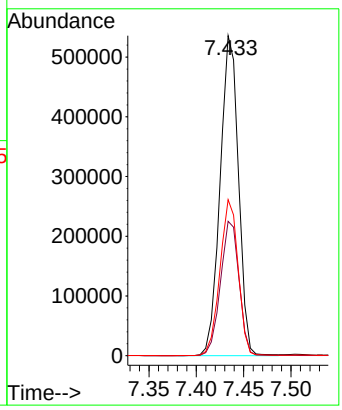
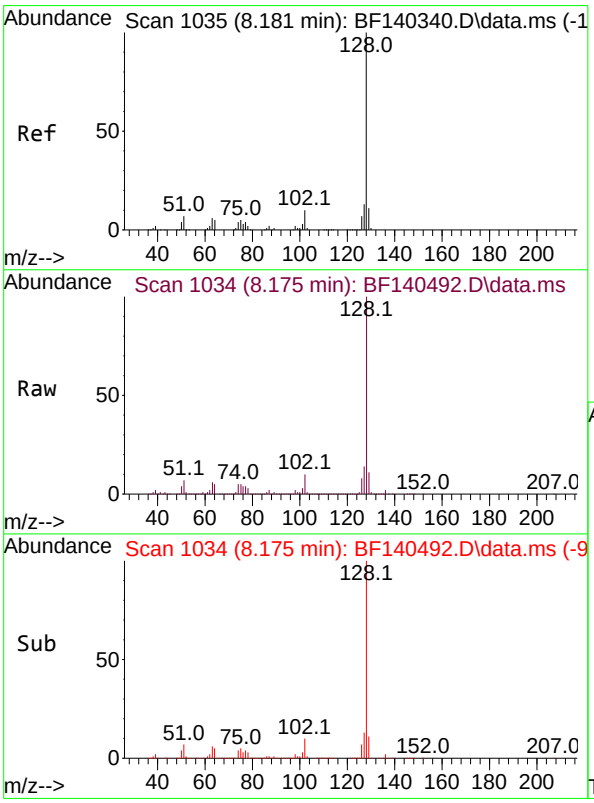
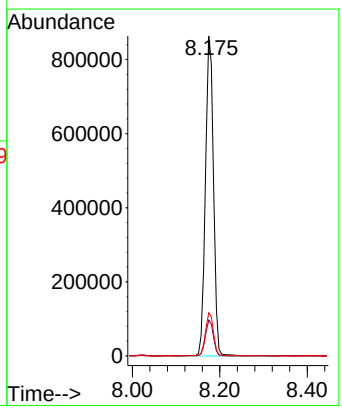


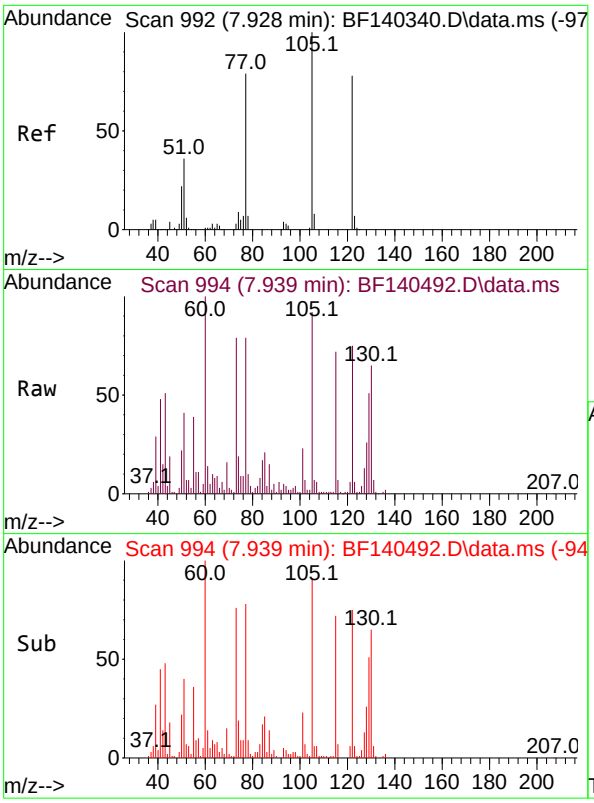


#31
Naphthalene
Concen: 53.817 ng
RT: 8.175 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF140492.D
Acq: 20 Nov 2024 11:23

Tgt Ion:128 Resp: 1103762

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.9	13.3
127	13.5	10.6	15.8

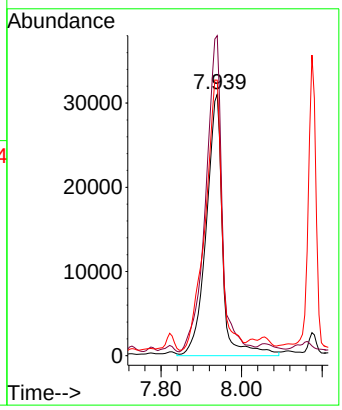




#32
Benzoic acid
Concen: 21.600 ng m
RT: 7.939 min Scan# 9
Delta R.T. 0.012 min
Lab File: BF140492.D
Acq: 20 Nov 2024 11:23

Tgt Ion:122 Resp: 8724

Ion	Ratio	Lower	Upper
122	100		
105	122.4	100.9	140.9
77	105.4	76.0	116.0



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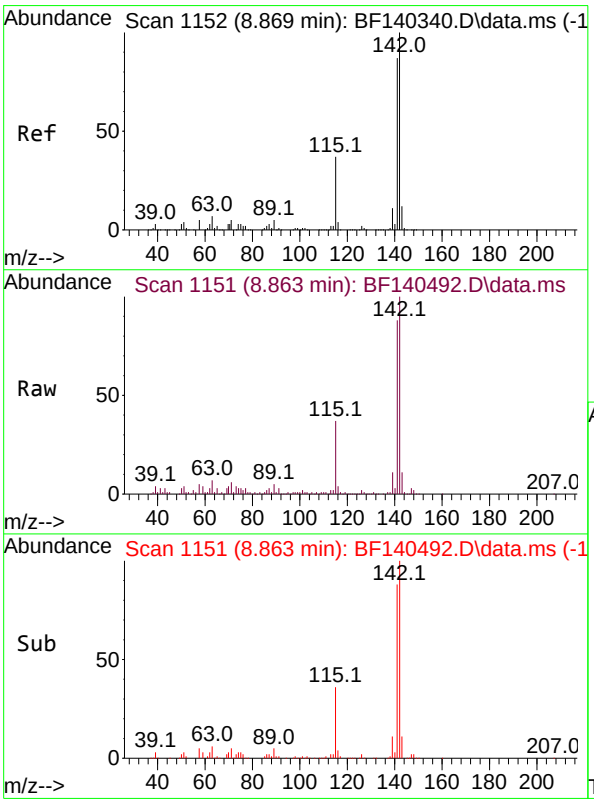
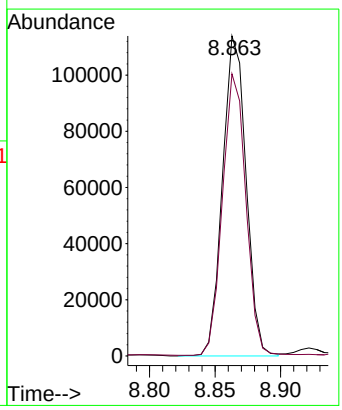
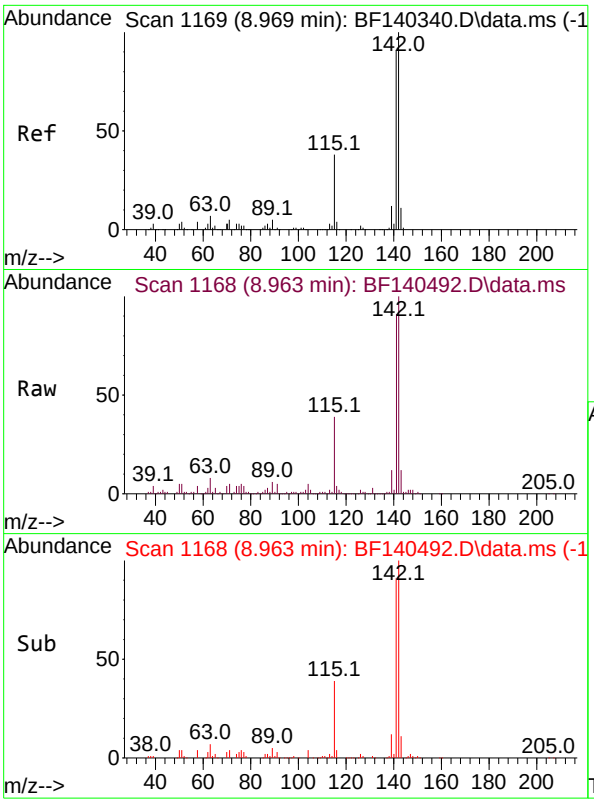


#37
2-Methylnaphthalene
Concen: 10.813 ng
RT: 8.863 min Scan# 1151
Delta R.T. -0.006 min
Lab File: BF140492.D
Acq: 20 Nov 2024 11:23

Tgt Ion:142 Resp: 142205

Ion	Ratio	Lower	Upper
142	100		
141	88.2	70.4	105.6

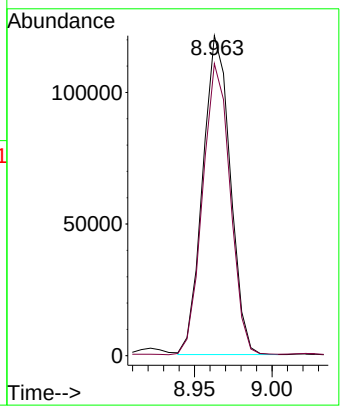




#38
1-Methylnaphthalene
Concen: 11.622 ng
RT: 8.963 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140492.D
Acq: 20 Nov 2024 11:23

Tgt Ion:142 Resp: 14966

Ion	Ratio	Lower	Upper
142	100		
141	91.3	73.6	110.4



Instrument :
BNA_F
ClientSampleId :
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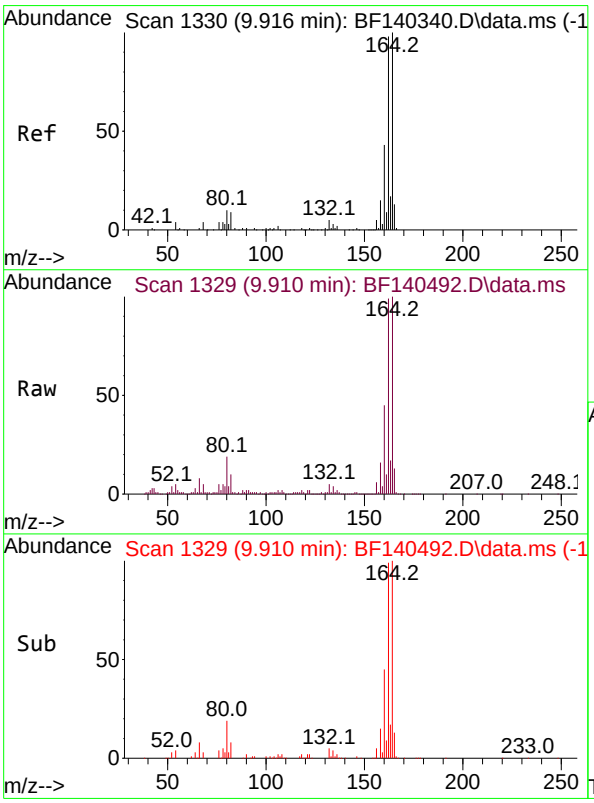
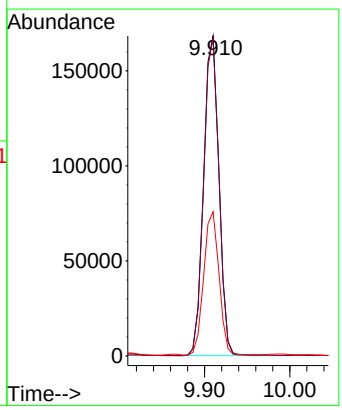
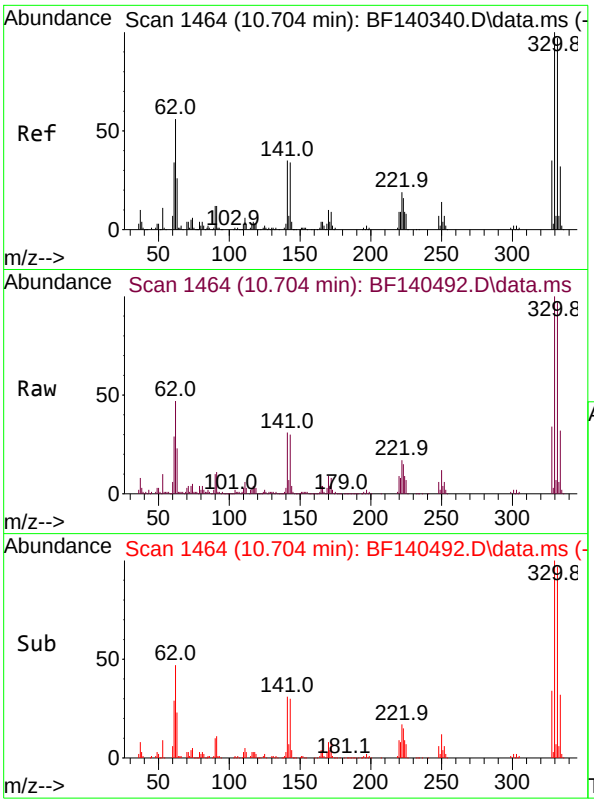


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF140492.D
Acq: 20 Nov 2024 11:23

Tgt Ion:164 Resp: 209765

Ion	Ratio	Lower	Upper
164	100		
162	99.2	79.8	119.8
160	45.1	35.4	53.0

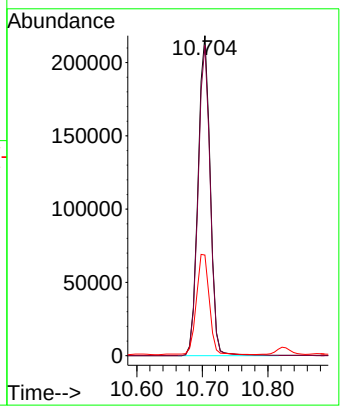




#42
2,4,6-Tribromophenol
Concen: 135.348 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF140492.D
Acq: 20 Nov 2024 11:23

Tgt Ion:330 Resp: 28232

Ion	Ratio	Lower	Upper
330	100		
332	96.5	75.9	113.9
141	33.1	26.9	40.3



Instrument :
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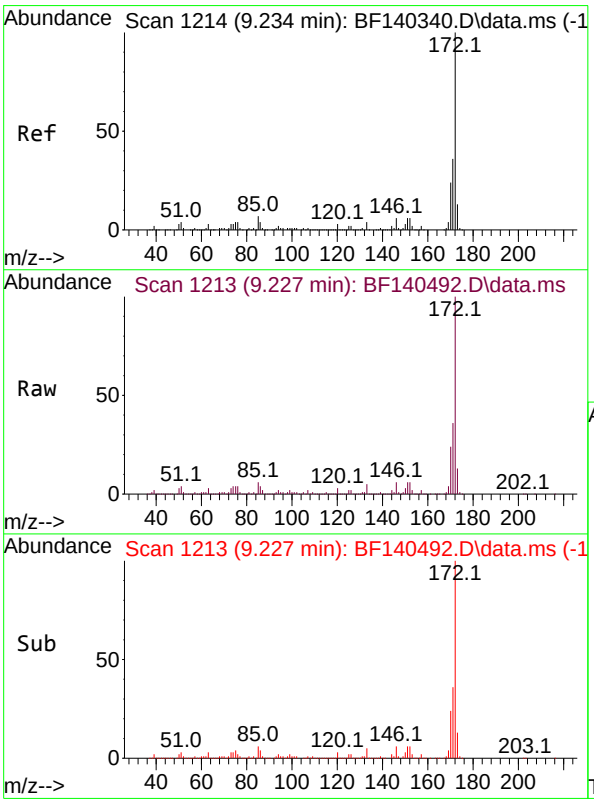
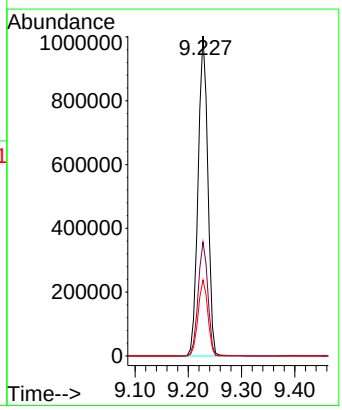
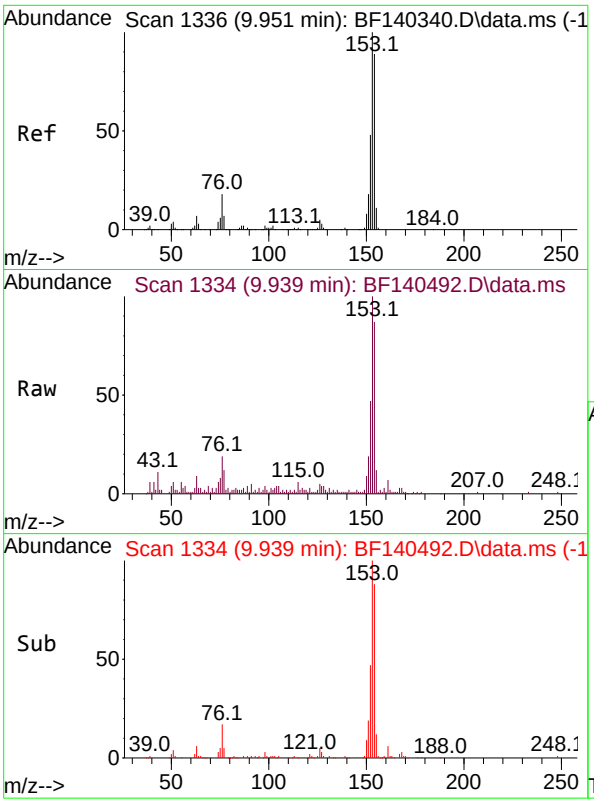


#45
2-Fluorobiphenyl
Concen: 97.721 ng
RT: 9.227 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF140492.D
Acq: 20 Nov 2024 11:23

Tgt Ion:172 Resp: 1275132

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.5	42.7
170	23.8	19.1	28.7

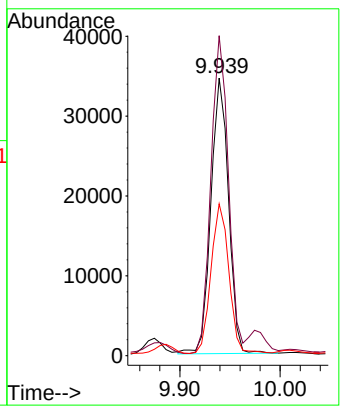




#52
Acenaphthene
Concen: 3.534 ng
RT: 9.939 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF140492.D
Acq: 20 Nov 2024 11:23

Tgt Ion:154 Resp: 4197

Ion	Ratio	Lower	Upper
154	100		
153	115.3	89.8	134.8
152	54.7	42.6	64.0



Instrument :
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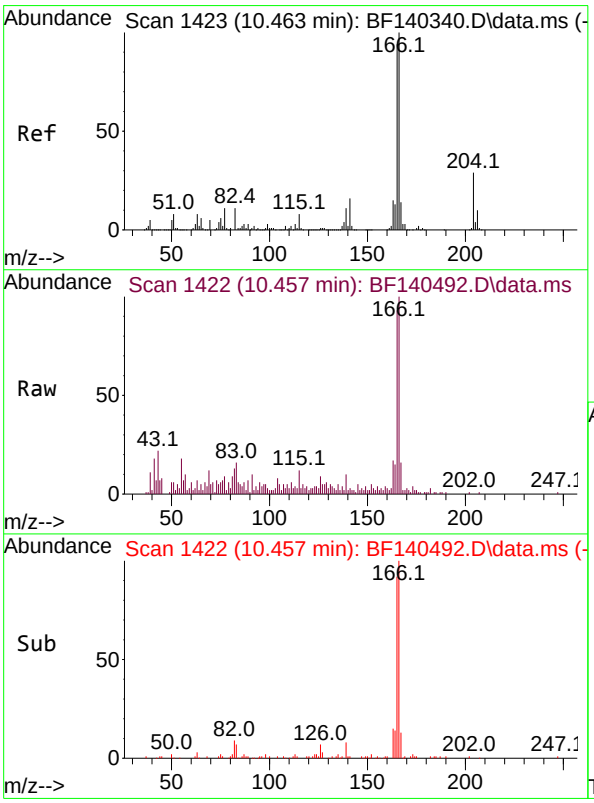
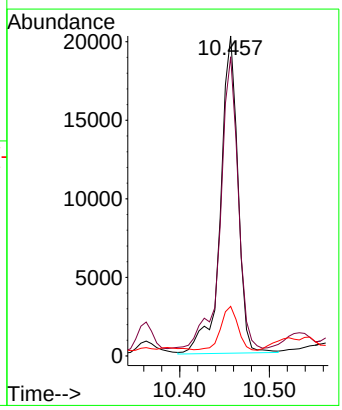
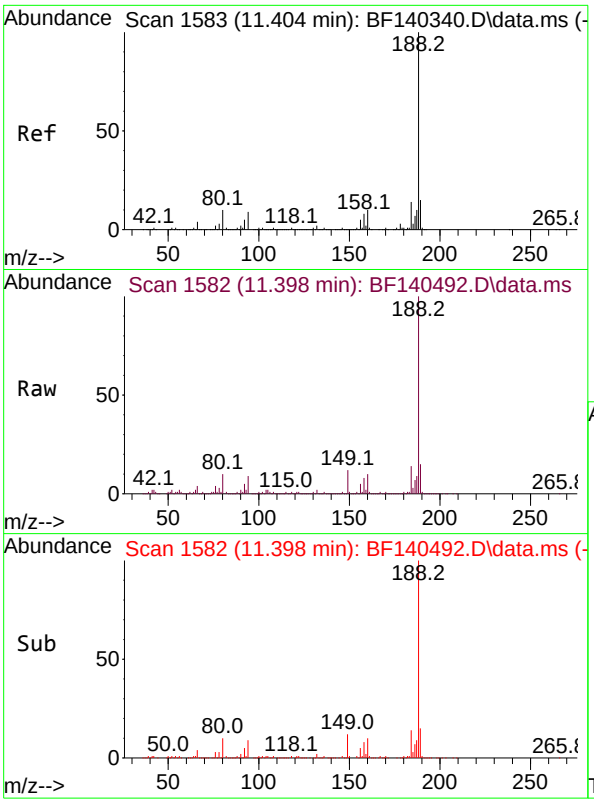


#58
Fluorene
Concen: 2.056 ng
RT: 10.457 min Scan# 1422
Delta R.T. -0.006 min
Lab File: BF140492.D
Acq: 20 Nov 2024 11:23

Tgt Ion:166 Resp: 27312

Ion	Ratio	Lower	Upper
166	100		
165	93.5	73.9	110.9
167	15.5	10.9	16.3

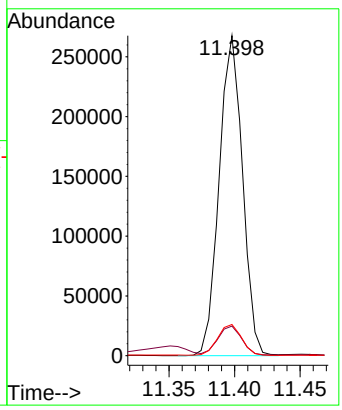




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140492.D
Acq: 20 Nov 2024 11:23

Tgt Ion:188 Resp: 33143

Ion	Ratio	Lower	Upper
188	100		
94	9.3	7.6	11.4
80	9.8	8.0	12.0



Instrument :
BNA_F
ClientSampleId :
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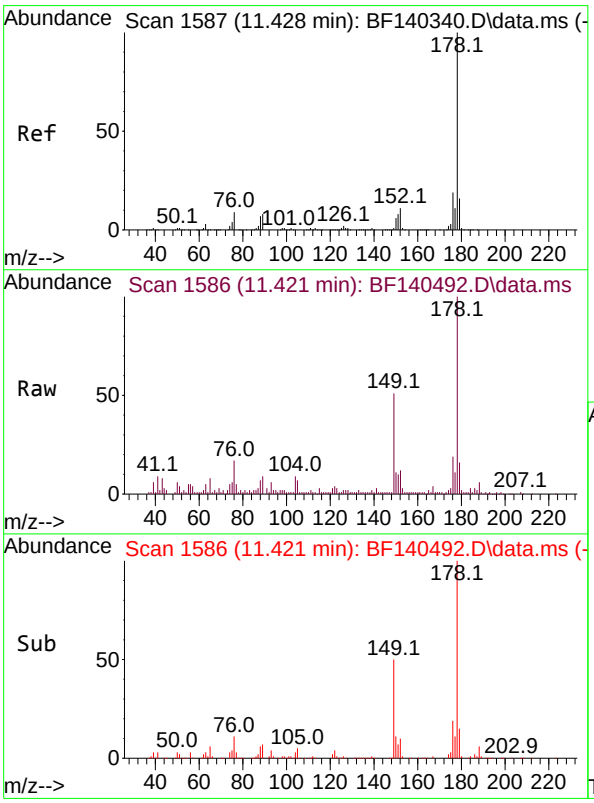
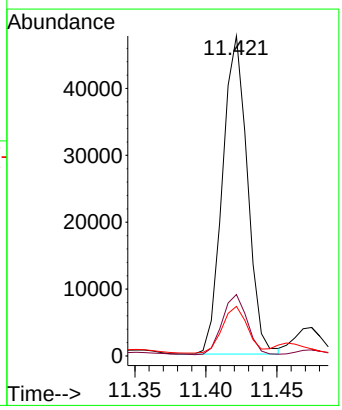
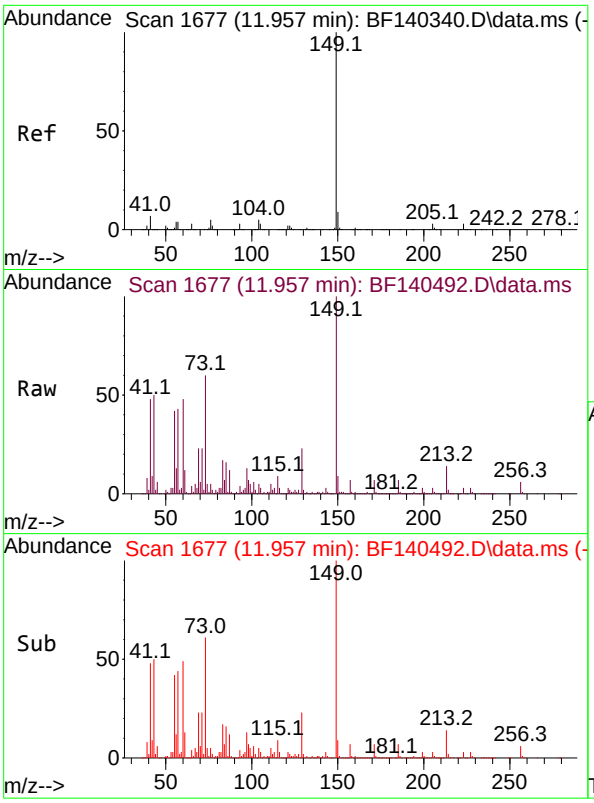


#71
Phenanthrene
Concen: 3.729 ng
RT: 11.421 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF140492.D
Acq: 20 Nov 2024 11:23

Tgt Ion:178 Resp: 58052

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.5	23.3
179	15.5	12.4	18.6

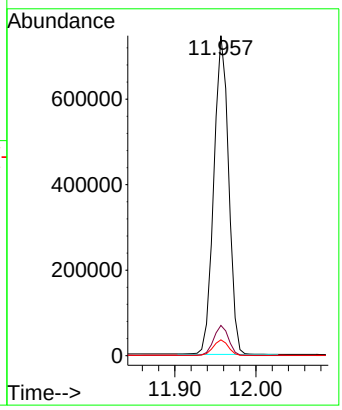




#74
Di-n-butylphthalate
Concen: 52.363 ng
RT: 11.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140492.D
Acq: 20 Nov 2024 11:23

Tgt Ion:149 Resp: 94689

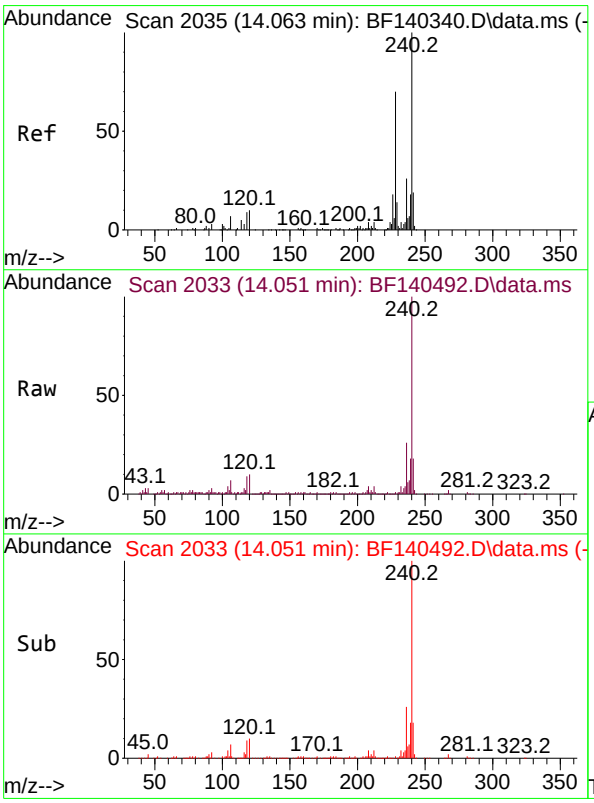
Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.4	11.2
104	4.9	4.0	6.0



Instrument :
BNA_F
ClientSampleId :
SW-WTS-01

Manual Integrations
APPROVED

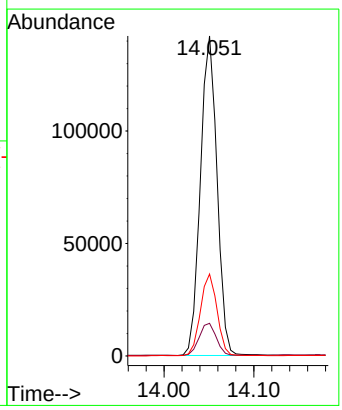
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

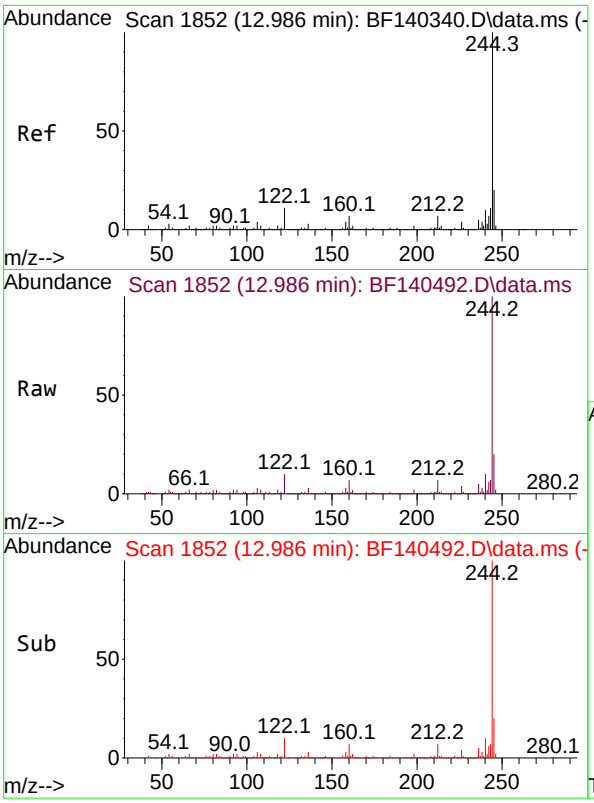


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. -0.000 min
Lab File: BF140492.D
Acq: 20 Nov 2024 11:23

Tgt Ion:240 Resp: 183045

Ion	Ratio	Lower	Upper
240	100		
120	10.2	8.8	13.2
236	25.6	20.9	31.3

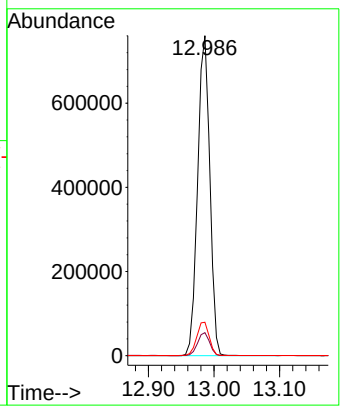




#79
Terphenyl-d14
Concen: 93.373 ng
RT: 12.986 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140492.D
Acq: 20 Nov 2024 11:23

Tgt Ion:244 Resp: 98464

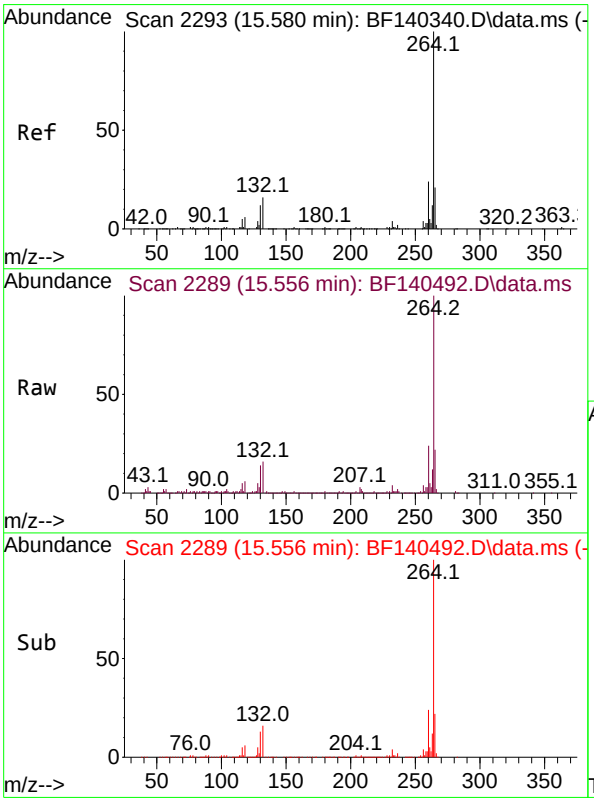
Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.8
122	10.4	8.8	13.2



Instrument :
BNA_F
ClientSampleId :
SW-WTS-01

Manual Integrations
APPROVED

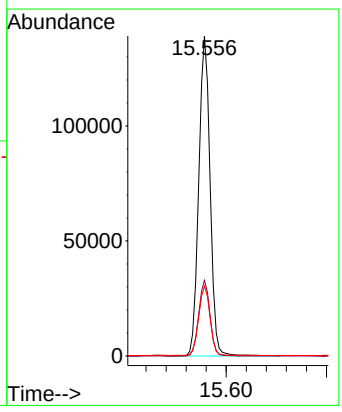
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.556 min Scan# 2289
Delta R.T. -0.000 min
Lab File: BF140492.D
Acq: 20 Nov 2024 11:23

Tgt Ion:264 Resp: 217669

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.8	17.1	25.7



CALIBRATION SUMMARY

Raw Data

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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM Case No.: P4843 SAS No.: P4843 SDG No.: P4843

Instrument ID: BNA_F Calibration Date(s): 11/13/2024 11/13/2024

Calibration Time(s): 09:01 12:48

LAB FILE ID: RRF2.5 = BF140332.D RRF005 = BF140333.D RRF010 = BF140334.D
RRF020 = BF140335.D RRF050 = BF140337.D RRF060 = BF140338.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF050	RRF060	RRF	% RSD
2-Fluorophenol		1.329	1.257	1.223	1.090	1.118	1.171	8.8
Phenol-d6		1.773	1.691	1.643	1.483	1.507	1.587	8.1
Phenol		1.799	1.793	1.743	1.582	1.597	1.674	7.3
1,4-Dichlorobenzene		1.590	1.534	1.486	1.306	1.326	1.408	9.5
Nitrobenzene-d5		0.411	0.401	0.399	0.368	0.379	0.384	5.3
1,2,4-Trichlorobenzene		0.346	0.331	0.325	0.298	0.301	0.312	7.1
Naphthalene		1.160	1.105	1.064	0.950	0.955	1.015	9.6
2-Fluorobiphenyl		1.524	1.396	1.351	1.125	1.110	1.244	14.5
2,4,6-Tribromophenol		0.220	0.211	0.207	0.191	0.189	0.199	6.9
Terphenyl-d14		1.226	1.185	1.108	1.139	1.190	1.152	4.3

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-BF111324.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Nov 13 14:40:06 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BF140332.D 5 =BF140333.D 10 =BF140334.D 20 =BF140335.D 40 =BF140340.D 50 =BF140337.D 60 =BF140338.D 80 =BF1403
39.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.582	0.546	0.530	0.515	0.495	0.506	0.480	0.522	6.53
3)		Pyridine		1.430	1.343	1.323	1.316	1.189	1.237	1.147	1.283	7.61
4)		n-Nitrosodimet...		0.658	0.632	0.651	0.659	0.644	0.671	0.627	0.649	2.39
5)	S	2-Fluorophenol		1.329	1.257	1.223	1.150	1.090	1.118	1.032	1.171	8.84
6)		Aniline		1.587	1.527	1.495	1.451	1.267	1.270	1.066	1.381	13.42
7)	S	Phenol-d6		1.773	1.691	1.643	1.605	1.483	1.507	1.407	1.587	8.09
8)		2-Chlorophenol		1.397	1.349	1.332	1.263	1.176	1.184	1.106	1.258	8.49
9)		Benzaldehyde		1.101	1.087	1.017	0.891	0.828	0.783		0.951	14.32
10)	C	Phenol		1.799	1.793	1.743	1.724	1.582	1.597	1.478	1.674	7.31
11)		bis(2-Chloroet...		1.359	1.294	1.306	1.263	1.227	1.249	1.179	1.268	4.60
12)		1,3-Dichlorobe...		1.585	1.475	1.454	1.374	1.291	1.317	1.221	1.388	8.98
13)	C	1,4-Dichlorobe...		1.590	1.534	1.486	1.391	1.306	1.326	1.221	1.408	9.49
14)		1,2-Dichlorobe...		1.494	1.429	1.398	1.294	1.212	1.214	1.108	1.307	10.63
15)		Benzyl Alcohol		1.172	1.193	1.199	1.211	1.100	1.108	1.020	1.143	6.10
16)		2,2'-oxybis(1-...		1.906	1.826	1.815	1.816	1.666	1.684	1.549	1.752	7.01
17)		2-Methylphenol		1.092	1.062	1.072	1.064	0.998	1.016	0.942	1.035	5.07
18)		Hexachloroethane		0.562	0.543	0.550	0.514	0.500	0.506	0.468	0.520	6.30
19)	P	n-Nitroso-di-n...	1.032	1.029	1.003	0.986	0.982	0.883	0.905	0.848	0.959	7.30
20)		3+4-Methylphenols		1.436	1.427	1.359	1.351	1.200	1.198	1.091	1.294	10.21
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.532	0.508	0.481	0.450	0.434	0.441	0.411	0.465	9.35
23)	S	Nitrobenzene-d5		0.411	0.401	0.399	0.375	0.368	0.379	0.354	0.384	5.28
24)		Nitrobenzene		0.423	0.421	0.406	0.393	0.390	0.394	0.371	0.400	4.61
25)		Isophorone		0.736	0.702	0.692	0.674	0.654	0.671	0.634	0.680	4.87
26)	C	2-Nitrophenol		0.175	0.179	0.181	0.179	0.175	0.181	0.171	0.177	1.99
27)		2,4-Dimethylph...		0.238	0.236	0.232	0.223	0.221	0.227	0.214	0.227	3.86
28)		bis(2-Chloroet...		0.461	0.442	0.430	0.407	0.398	0.404	0.379	0.417	6.80
29)	C	2,4-Dichloroph...		0.307	0.296	0.287	0.275	0.272	0.272	0.255	0.281	6.20
30)		1,2,4-Trichlor...		0.346	0.331	0.325	0.302	0.298	0.301	0.283	0.312	7.15
31)		Naphthalene		1.160	1.105	1.064	0.982	0.950	0.955	0.886	1.015	9.60
32)		Benzoic acid		0.162	0.178	0.180	0.212	0.215	0.226	0.226	0.200	13.01
33)		4-Chloroaniline		0.390	0.386	0.370	0.340	0.333	0.340	0.311	0.353	8.36
34)	C	Hexachlorobuta...		0.220	0.214	0.210	0.193	0.188	0.190	0.178	0.199	7.73
35)		Caprolactam		0.098	0.093	0.094	0.092	0.091	0.095	0.089	0.093	3.27
36)	C	4-Chloro-3-met...		0.331	0.327	0.320	0.309	0.299	0.304	0.287	0.311	5.14
37)		2-Methylnaphth...		0.751	0.706	0.683	0.632	0.610	0.607	0.565	0.651	10.01
38)		1-Methylnaphth...		0.734	0.696	0.673	0.625	0.589	0.592	0.550	0.637	10.39

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF111324.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.646	0.585	0.583	0.531	0.524	0.517	0.485	0.553	9.85
41)	P	Hexachlorocycl...		0.111	0.143	0.139	0.156	0.159	0.145	0.142	12.04
42)	S	2,4,6-Tribromo...	0.220	0.211	0.207	0.193	0.191	0.189	0.182	0.199	6.88
43)	C	2,4,6-Trichlor...	0.380	0.374	0.374	0.360	0.360	0.352	0.341	0.363	3.87
44)		2,4,5-Trichlor...	0.421	0.417	0.412	0.389	0.387	0.390	0.361	0.397	5.41
45)	S	2-Fluorobiphenyl	1.524	1.396	1.351	1.172	1.125	1.110	1.031	1.244	14.50
46)		1,1'-Biphenyl	1.690	1.571	1.565	1.404	1.368	1.343	1.244	1.455	10.80
47)		2-Chloronaphth...	1.279	1.182	1.149	1.065	1.064	1.049	0.971	1.108	9.20
48)		2-Nitroaniline	0.378	0.365	0.384	0.364	0.365	0.366	0.351	0.368	2.91
49)		Acenaphthylene	1.940	1.802	1.786	1.636	1.582	1.552	1.441	1.677	10.29
50)		Dimethylphthalate	1.464	1.358	1.371	1.261	1.246	1.244	1.181	1.304	7.47
51)		2,6-Dinitrotol...	0.317	0.303	0.313	0.297	0.291	0.289	0.268	0.297	5.57
52)	C	Acenaphthene	1.259	1.204	1.192	1.096	1.091	1.079	1.006	1.133	7.78
53)		3-Nitroaniline	0.333	0.327	0.335	0.310	0.307	0.298	0.275	0.312	6.92
54)	P	2,4-Dinitrophenol		0.109	0.148	0.147	0.178	0.170	0.168	0.153	16.27
55)		Dibenzofuran	1.904	1.736	1.715	1.558	1.502	1.466	1.344	1.603	11.92
56)	P	4-Nitrophenol	0.199	0.217	0.239	0.236	0.240	0.237	0.225	0.228	6.67
57)		2,4-Dinitrotol...	0.414	0.400	0.417	0.387	0.387	0.382	0.351	0.391	5.77
58)		Fluorene	1.525	1.403	1.365	1.202	1.168	1.137	1.066	1.267	13.14
59)		2,3,4,6-Tetrac...	0.322	0.328	0.326	0.318	0.308	0.302	0.288	0.313	4.61
60)		Diethylphthalate	1.525	1.417	1.398	1.287	1.272	1.246	1.185	1.333	8.85
61)		4-Chlorophenyl...	0.739	0.688	0.669	0.604	0.583	0.567	0.528	0.625	12.01
62)		4-Nitroaniline	0.335	0.325	0.328	0.319	0.316	0.313	0.297	0.319	3.86
63)		Azobenzene	1.498	1.391	1.380	1.293	1.251	1.244	1.163	1.317	8.55
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...	0.080	0.098	0.113	0.109	0.117	0.120	0.116	0.108	13.00
66)	c	n-Nitrosodiphe...	0.651	0.630	0.600	0.559	0.541	0.541	0.522	0.578	8.57
67)		4-Bromophenyl-...	0.227	0.210	0.209	0.194	0.191	0.188	0.180	0.200	8.14
68)		Hexachlorobenzene	0.251	0.242	0.232	0.218	0.209	0.215	0.208	0.225	7.54
69)		Atrazine	0.191	0.183	0.135	0.145	0.155	0.205	0.209	0.175	17.03
70)	C	Pentachlorophenol	0.097	0.108	0.124	0.127	0.131	0.130	0.130	0.121	10.87
71)		Phenanthrene	1.096	1.053	0.986	0.903	0.868	0.851	0.820	0.940	11.33
72)		Anthracene	1.071	1.018	0.966	0.889	0.860	0.839	0.803	0.921	10.81
73)		Carbazole	1.053	1.009	0.963	0.876	0.846	0.834	0.783	0.909	11.02
74)		Di-n-butylphth...	1.214	1.177	1.150	1.074	1.036	1.023	0.964	1.091	8.37
75)	C	Fluoranthene	1.256	1.201	1.141	1.018	0.962	0.933	0.867	1.054	13.92
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.634	0.684	0.653	0.742	0.953	0.939	0.768	18.64
78)		Pyrene	1.748	1.706	1.643	1.679	1.728	1.800	1.672	1.711	3.08
79)	S	Terphenyl-d14	1.226	1.185	1.108	1.123	1.139	1.190	1.093	1.152	4.26
80)		Butylbenzylpht...	0.640	0.638	0.654	0.690	0.670	0.681	0.628	0.657	3.56
81)		Benzo(a)anthra...	1.451	1.418	1.351	1.263	1.229	1.294	1.195	1.314	7.31
82)		3,3'-Dichlorob...	0.438	0.431	0.433	0.402	0.406	0.416	0.399	0.418	3.79
83)		Chrysene	1.394	1.241	1.235	1.168	1.137	1.123	1.099	1.199	8.44
84)		Bis(2-ethylhex...	0.886	0.890	0.897	0.927	0.858	0.869	0.813	0.877	4.07
85)	c	Di-n-octyl pht...	1.231	1.217	1.270	1.290	1.187	1.241	1.212	1.235	2.86

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF111324.M

86)	I	Perylene-d12	----------ISTD----------								
87)		Indeno(1,2,3-c...	1.116	1.150	1.138	1.258	1.316	1.354	1.317	1.235	8.02
88)		Benzo(b)fluora...	1.405	1.352	1.471	1.263	1.235	1.233	1.199	1.308	7.82
89)		Benzo(k)fluora...	1.286	1.241	1.120	1.060	0.952	0.935	0.888	1.069	14.47
90)	C	Benzo(a)pyrene	1.100	1.053	1.054	1.005	0.970	0.980	0.948	1.016	5.40
91)		Dibenzo(a,h)an...	0.941	0.952	0.944	1.039	1.074	1.121	1.077	1.021	7.30
92)		Benzo(g,h,i)pe...	0.941	0.963	0.954	1.063	1.122	1.146	1.120	1.044	8.55

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
Data File : BF140332.D
Acq On : 13 Nov 2024 09:01
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Nov 13 14:21:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 13:11:08 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	147206	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	569357	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	324094	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	631650	20.000	ng	0.00
76) Chrysene-d12	14.057	240	473843	20.000	ng	0.00
86) Perylene-d12	15.574	264	387360	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.000	ng	
7) Phenol-d6	0.000	99	0d	0.000	ng	
23) Nitrobenzene-d5	0.000	82	0d	0.000	ng	
42) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
45) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng	
79) Terphenyl-d14	0.000	244	0d	0.000	ng	
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.275	70	18995	2.692	ng	97

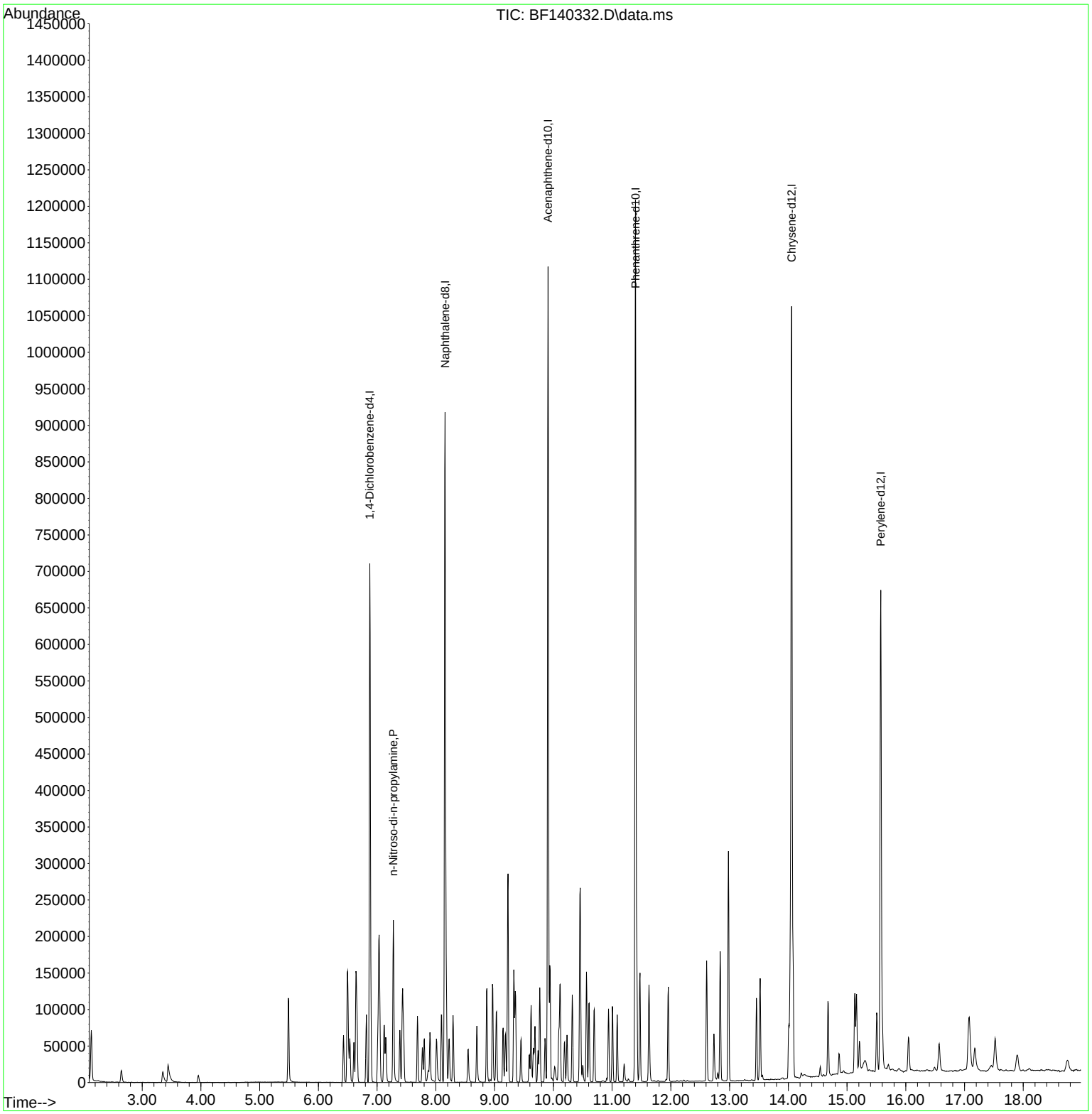
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
Data File : BF140332.D
Acq On : 13 Nov 2024 09:01
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Nov 13 14:21:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 13:11:08 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
Data File : BF140333.D
Acq On : 13 Nov 2024 09:27
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 13 14:22:24 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 13:11:08 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED
Reviewed By :Yogesh Patel
11/14/2024
Supervised By :mohammad ahmed
11/14/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.875	152	147440	20.000	ng		0.00
21) Naphthalene-d8	8.157	136	561082	20.000	ng		0.00
39) Acenaphthene-d10	9.910	164	317345	20.000	ng		0.00
64) Phenanthrene-d10	11.398	188	615904	20.000	ng		0.00
76) Chrysene-d12	14.051	240	462864	20.000	ng		0.00
86) Perylene-d12	15.563	264	372118	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.487	112	98004	11.349	ng		0.00
7) Phenol-d6	6.493	99	130723	11.173	ng		-0.01
23) Nitrobenzene-d5	7.434	82	115292	10.706	ng		0.00
42) 2,4,6-Tribromophenol	10.698	330	34890	11.056	ng		0.00
45) 2-Fluorobiphenyl	9.228	172	241751	12.246	ng		0.00
79) Terphenyl-d14	12.980	244	283824	10.644	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.640	88	21442	5.571	ng		95
3) Pyridine	3.422	79	52697	5.569	ng		98
4) n-Nitrosodimethylamine	3.346	42	24263	5.074	ng	#	97
6) Aniline	6.534	93	58498	5.748	ng		98
8) 2-Chlorophenol	6.657	128	51502	5.552	ng		99
9) Benzaldehyde	6.428	77	40600	5.790	ng		100
10) Phenol	6.504	94	66303	5.374	ng		99
11) bis(2-Chloroethyl)ether	6.604	93	50099	5.359	ng		97
12) 1,3-Dichlorobenzene	6.816	146	58435	5.709	ng		99
13) 1,4-Dichlorobenzene	6.893	146	58594	5.646	ng		99
14) 1,2-Dichlorobenzene	7.046	146	55054	5.714	ng		100
15) Benzyl Alcohol	7.010	79	43212	5.126	ng		97
16) 2,2'-oxybis(1-Chloropr...	7.146	45	70257	5.441	ng		100
17) 2-Methylphenol	7.116	107	40243	5.274	ng		97
18) Hexachloroethane	7.387	117	20701	5.396	ng		97
19) n-Nitroso-di-n-propyla...	7.275	70	37919	5.366	ng		97
20) 3+4-Methylphenols	7.275	107	52942	5.548	ng	#	82
22) Acetophenone	7.281	105	74642	5.720	ng		95
24) Nitrobenzene	7.451	77	59394	5.297	ng		99
25) Isophorone	7.687	82	103224	5.409	ng		99
26) 2-Nitrophenol	7.769	139	24576	4.939	ng		99
27) 2,4-Dimethylphenol	7.804	122	33358	5.237	ng		97
28) bis(2-Chloroethoxy)met...	7.898	93	64672	5.526	ng		100
29) 2,4-Dichlorophenol	8.010	162	43077	5.472	ng		98
30) 1,2,4-Trichlorobenzene	8.098	180	48599	5.545	ng		99
31) Naphthalene	8.175	128	162710	5.717	ng		99
32) Benzoic acid	7.869	122	22671m	4.051	ng		
33) 4-Chloroaniline	8.222	127	54728	5.529	ng		99
34) Hexachlorobutadiene	8.293	225	30821	5.519	ng		99
35) Caprolactam	8.551	113	13807	5.217	ng		98
36) 4-Chloro-3-methylphenol	8.698	107	46450	5.324	ng		97
37) 2-Methylnaphthalene	8.869	142	105353	5.773	ng		97
38) 1-Methylnaphthalene	8.963	142	102975	5.762	ng		100
40) 1,2,4,5-Tetrachloroben...	9.034	216	51260	5.841	ng		98
43) 2,4,6-Trichlorophenol	9.145	196	30173	5.239	ng		98
44) 2,4,5-Trichlorophenol	9.181	196	33434	5.310	ng		96

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
Data File : BF140333.D
Acq On : 13 Nov 2024 09:27
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED
Reviewed By :Yogesh Patel
11/14/2024
Supervised By :mohammad ahmed
11/14/2024

Quant Time: Nov 13 14:22:24 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 13:11:08 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	9.328	154	134098	5.808	ng	98
47) 2-Chloronaphthalene	9.351	162	101447	5.768	ng	100
48) 2-Nitroaniline	9.451	65	29995	5.143	ng	100
49) Acenaphthylene	9.769	152	153886	5.783	ng	99
50) Dimethylphthalate	9.622	163	116132	5.614	ng	99
51) 2,6-Dinitrotoluene	9.687	165	25188	5.341	ng	98
52) Acenaphthene	9.939	154	99899	5.559	ng	98
53) 3-Nitroaniline	9.857	138	26407	5.332	ng	94
55) Dibenzofuran	10.116	168	151058	5.937	ng	97
56) 4-Nitrophenol	10.016	139	15801	4.374	ng	98
57) 2,4-Dinitrotoluene	10.092	165	32877	5.297	ng	98
58) Fluorene	10.457	166	121014	6.021	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.234	232	25576	5.149	ng	99
60) Diethylphthalate	10.322	149	120988	5.720	ng	99
61) 4-Chlorophenyl-phenyle...	10.451	204	58593	5.905	ng	97
62) 4-Nitroaniline	10.463	138	26578	5.249	ng	96
63) Azobenzene	10.610	77	118816	5.685	ng	99
65) 4,6-Dinitro-2-methylph...	10.504	198	12385	3.738	ng	96
66) n-Nitrosodiphenylamine	10.563	169	100287	5.636	ng	99
67) 4-Bromophenyl-phenylether	10.939	248	34999	5.685	ng	96
68) Hexachlorobenzene	11.004	284	38627	5.576	ng	98
69) Atrazine	11.086	200	29460	5.472	ng	97
70) Pentachlorophenol	11.204	266	14987	4.016	ng	97
71) Phenanthrene	11.422	178	168742	5.832	ng	99
72) Anthracene	11.475	178	164923	5.816	ng	98
73) Carbazole	11.628	167	162080	5.789	ng	99
74) Di-n-butylphthalate	11.957	149	186931	5.563	ng	100
75) Fluoranthene	12.610	202	193346	5.956	ng	99
78) Pyrene	12.839	202	202260	5.109	ng	99
80) Butylbenzylphthalate	13.457	149	74075	4.870	ng	96
81) Benzo(a)anthracene	14.039	228	167855	5.518	ng	98
82) 3,3'-Dichlorobenzidine	14.004	252	50636	5.237	ng	98
83) Chrysene	14.074	228	161255	5.810	ng	98
84) Bis(2-ethylhexyl)phtha...	14.027	149	102534	5.051	ng	99
85) Di-n-octyl phthalate	14.663	149	142493	4.984	ng	100
87) Indeno(1,2,3-cd)pyrene	17.057	276	103830	4.517	ng	98
88) Benzo(b)fluoranthene	15.121	252	130731	5.371	ng	99
89) Benzo(k)fluoranthene	15.145	252	119602	6.014	ng	99
90) Benzo(a)pyrene	15.492	252	102364	5.415	ng	99
91) Dibenzo(a,h)anthracene	17.068	278	87528	4.607	ng	99
92) Benzo(g,h,i)perylene	17.504	276	87547	4.507	ng	99

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

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
Data File : BF140333.D
Acq On : 13 Nov 2024 09:27
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

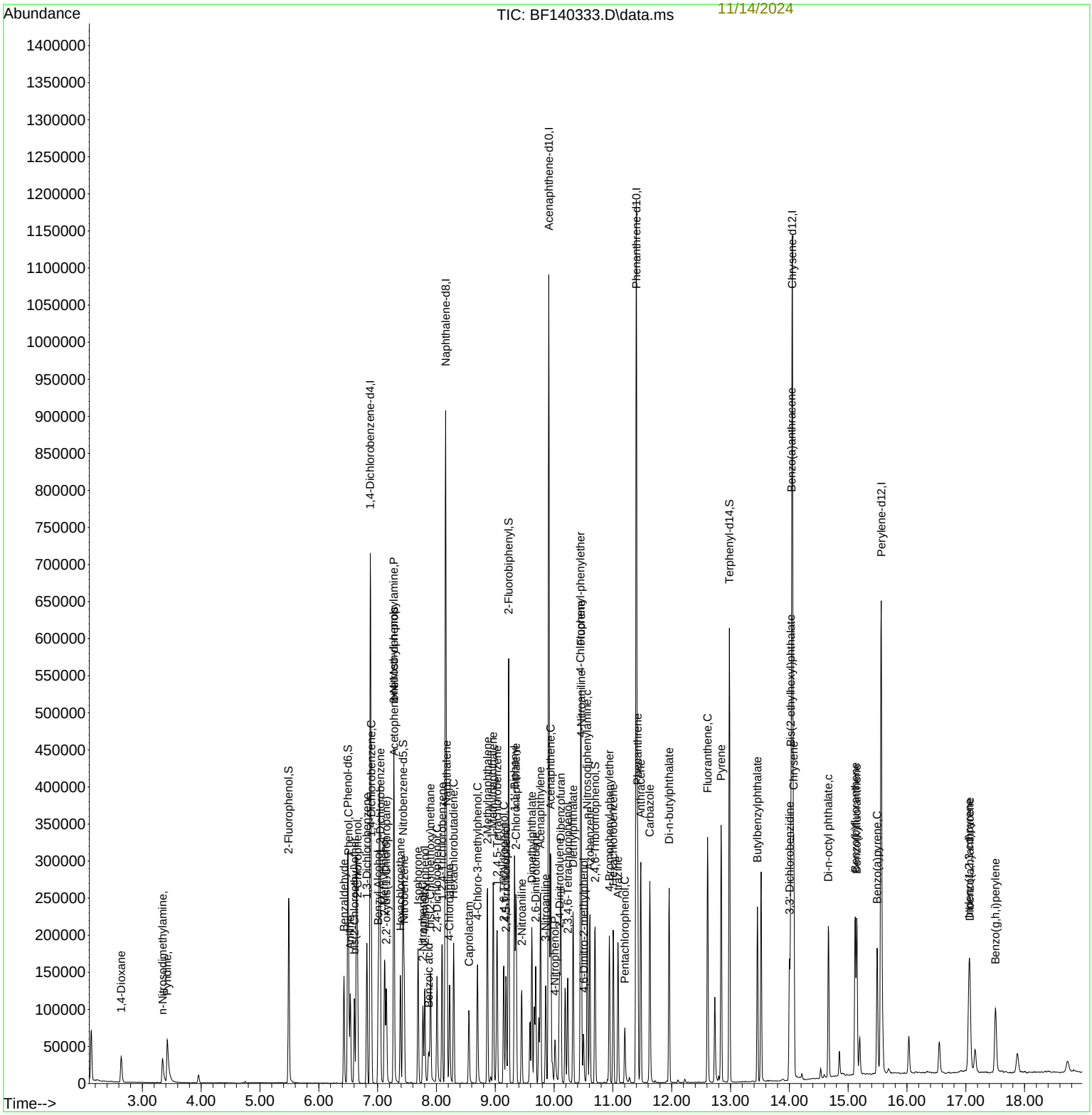
Quant Time: Nov 13 14:22:24 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 13:11:08 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Yogesh Patel
11/14/2024

Supervised By :mohammad ahmed
11/14/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
Data File : BF140334.D
Acq On : 13 Nov 2024 09:53
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 13 14:23:21 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 13:11:08 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/14/2024
Supervised By :mohammad ahmed 11/14/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.875	152	151757	20.000	ng		0.00
21) Naphthalene-d8	8.157	136	576727	20.000	ng		0.00
39) Acenaphthene-d10	9.910	164	332343	20.000	ng		0.00
64) Phenanthrene-d10	11.398	188	625922	20.000	ng		0.00
76) Chrysene-d12	14.051	240	456049	20.000	ng		0.00
86) Perylene-d12	15.562	264	358045	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.493	112	190834	21.470	ng		0.00
7) Phenol-d6	6.492	99	256677	21.315	ng		-0.01
23) Nitrobenzene-d5	7.434	82	231031	20.872	ng		0.00
42) 2,4,6-Tribromophenol	10.698	330	70040	21.193	ng		0.00
45) 2-Fluorobiphenyl	9.228	172	463950	22.441	ng		0.00
79) Terphenyl-d14	12.980	244	540367	20.567	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.640	88	41430	10.458	ng		98
3) Pyridine	3.416	79	101886	10.462	ng		100
4) n-Nitrosodimethylamine	3.346	42	47921	9.736	ng		96
6) Aniline	6.534	93	115851	11.059	ng		99
8) 2-Chlorophenol	6.657	128	102376	10.723	ng		100
9) Benzaldehyde	6.428	77	82498	11.431	ng		99
10) Phenol	6.510	94	136055	10.713	ng		96
11) bis(2-Chloroethyl)ether	6.604	93	98194	10.205	ng		97
12) 1,3-Dichlorobenzene	6.816	146	111939	10.626	ng		99
13) 1,4-Dichlorobenzene	6.892	146	116395	10.897	ng		99
14) 1,2-Dichlorobenzene	7.045	146	108453	10.937	ng		98
15) Benzyl Alcohol	7.010	79	90500	10.431	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	138565	10.425	ng		99
17) 2-Methylphenol	7.122	107	80567	10.258	ng		99
18) Hexachloroethane	7.387	117	41189	10.431	ng		97
19) n-Nitroso-di-n-propyla...	7.275	70	76077	10.460	ng		96
20) 3+4-Methylphenols	7.275	107	108265	11.022	ng	#	89
22) Acetophenone	7.281	105	146536	10.925	ng		97
24) Nitrobenzene	7.451	77	121397	10.534	ng		99
25) Isophorone	7.686	82	202309	10.313	ng		98
26) 2-Nitrophenol	7.769	139	51547	10.079	ng		97
27) 2,4-Dimethylphenol	7.804	122	68066	10.396	ng		100
28) bis(2-Chloroethoxy)met...	7.898	93	127440	10.594	ng		99
29) 2,4-Dichlorophenol	8.010	162	85290	10.540	ng		98
30) 1,2,4-Trichlorobenzene	8.098	180	95485	10.599	ng		99
31) Naphthalene	8.181	128	318527	10.887	ng		99
32) Benzoic acid	7.875	122	51387m	8.934	ng		
33) 4-Chloroaniline	8.222	127	111264	10.936	ng		99
34) Hexachlorobutadiene	8.292	225	61596	10.731	ng		99
35) Caprolactam	8.563	113	26940	9.902	ng		97
36) 4-Chloro-3-methylphenol	8.698	107	94282	10.514	ng		99
37) 2-Methylnaphthalene	8.869	142	203533	10.850	ng		99
38) 1-Methylnaphthalene	8.969	142	200722	10.926	ng		99
40) 1,2,4,5-Tetrachloroben...	9.033	216	97174	10.573	ng		98
41) Hexachlorocyclopentadiene	9.022	237	18405	7.800	ng		98
43) 2,4,6-Trichlorophenol	9.145	196	62134	10.302	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
Data File : BF140334.D
Acq On : 13 Nov 2024 09:53
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/14/2024
Supervised By :mohammad ahmed 11/14/2024

Quant Time: Nov 13 14:23:21 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 13:11:08 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.181	196	69370	10.520	ng	98
46) 1,1'-Biphenyl	9.328	154	261030	10.796	ng	99
47) 2-Chloronaphthalene	9.357	162	196370	10.662	ng	99
48) 2-Nitroaniline	9.451	65	60634	9.927	ng	99
49) Acenaphthylene	9.769	152	299521	10.749	ng	100
50) Dimethylphthalate	9.628	163	225705	10.419	ng	99
51) 2,6-Dinitrotoluene	9.692	165	50400	10.206	ng	97
52) Acenaphthene	9.945	154	200055	10.629	ng	99
53) 3-Nitroaniline	9.857	138	54319	10.473	ng	99
54) 2,4-Dinitrophenol	9.969	184	18126	7.117	ng	98
55) Dibenzofuran	10.116	168	288411	10.825	ng	98
56) 4-Nitrophenol	10.016	139	36056	9.531	ng	98
57) 2,4-Dinitrotoluene	10.092	165	66496	10.231	ng	98
58) Fluorene	10.457	166	233209	11.080	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.233	232	54566m	10.489	ng	
60) Diethylphthalate	10.328	149	235508	10.632	ng	100
61) 4-Chlorophenyl-phenyle...	10.451	204	114328	11.002	ng	98
62) 4-Nitroaniline	10.469	138	54026	10.188	ng	98
63) Azobenzene	10.610	77	231165	10.562	ng	99
65) 4,6-Dinitro-2-methylph...	10.504	198	30629	9.095	ng	97
66) n-Nitrosodiphenylamine	10.563	169	197047	10.896	ng	99
67) 4-Bromophenyl-phenylether	10.939	248	65844	10.524	ng	98
68) Hexachlorobenzene	11.010	284	75713	10.755	ng	95
69) Atrazine	11.092	200	57244	10.462	ng	99
70) Pentachlorophenol	11.204	266	33884	8.935	ng	98
71) Phenanthrene	11.422	178	329580	11.209	ng	99
72) Anthracene	11.475	178	318560	11.055	ng	98
73) Carbazole	11.627	167	315859	11.101	ng	99
74) Di-n-butylphthalate	11.957	149	368412	10.788	ng	99
75) Fluoranthene	12.610	202	375846	11.394	ng	99
77) Benzidine	12.733	184	144597	8.261	ng	99
78) Pyrene	12.839	202	388982	9.972	ng	98
80) Butylbenzylphthalate	13.457	149	145394	9.702	ng	98
81) Benzo(a)anthracene	14.039	228	323440	10.791	ng	99
82) 3,3'-Dichlorobenzidine	14.004	252	98211	10.309	ng	99
83) Chrysene	14.080	228	282868	10.343	ng	99
84) Bis(2-ethylhexyl)phtha...	14.027	149	202970	10.147	ng	99
85) Di-n-octyl phthalate	14.668	149	277399	9.847	ng	100
87) Indeno(1,2,3-cd)pyrene	17.062	276	205803	9.305	ng	99
88) Benzo(b)fluoranthene	15.127	252	241957	10.331	ng	99
89) Benzo(k)fluoranthene	15.151	252	222087	11.607	ng	99
90) Benzo(a)pyrene	15.498	252	188533	10.366	ng	98
91) Dibenzo(a,h)anthracene	17.080	278	170496	9.326	ng	100
92) Benzo(g,h,i)perylene	17.515	276	172345	9.221	ng	100

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

ICAL Form

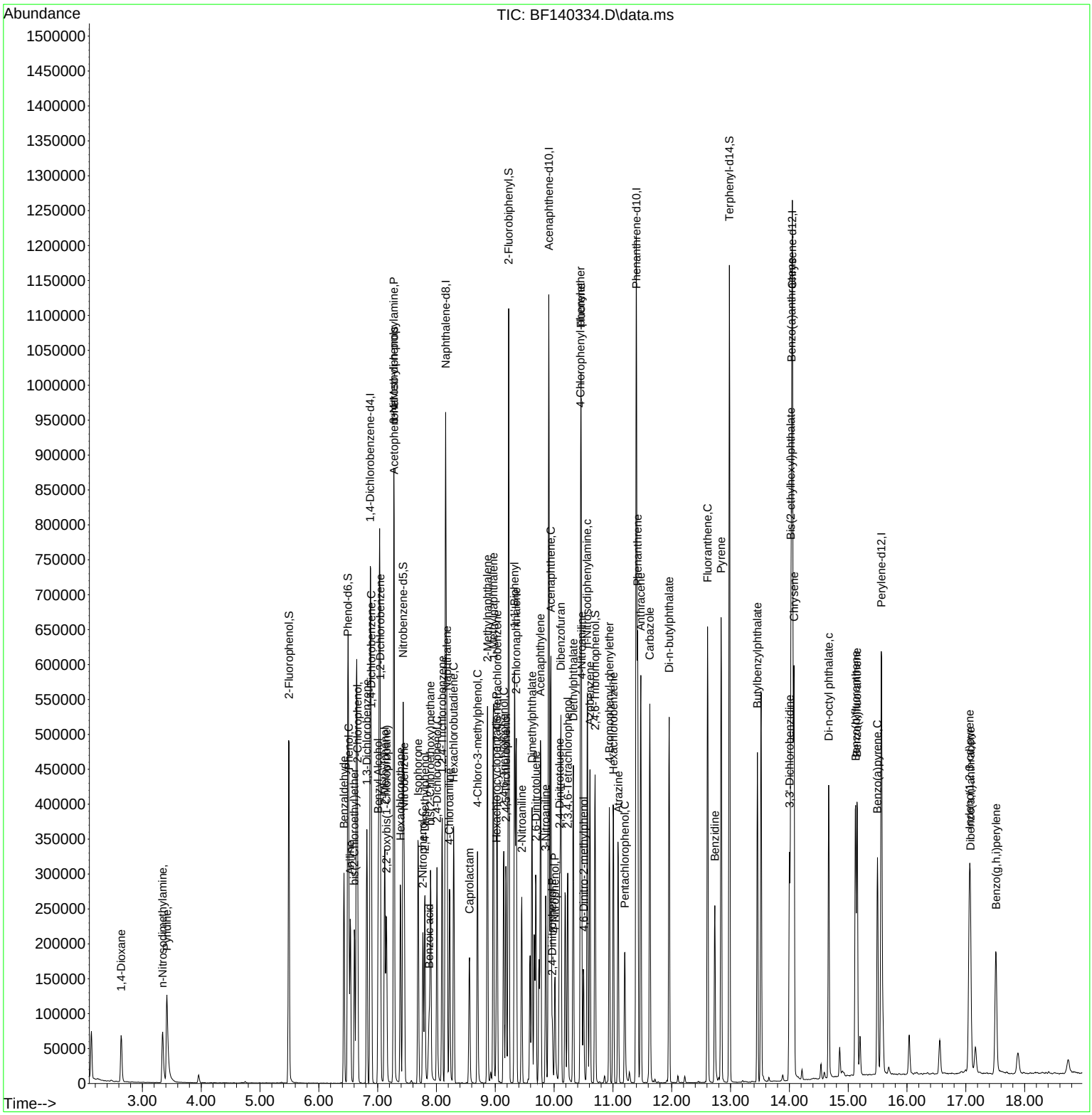
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
Data File : BF140334.D
Acq On : 13 Nov 2024 09:53
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 13 14:23:21 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 13:11:08 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/14/2024
Supervised By :mohammad ahmed 11/14/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
Data File : BF140335.D
Acq On : 13 Nov 2024 10:29
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Nov 13 14:24:16 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 13:11:08 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	149945	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	574759	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	321015	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	615627	20.000	ng	0.00
76) Chrysene-d12	14.068	240	437725	20.000	ng	0.02
86) Perylene-d12	15.592	264	335998	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	366621	41.746	ng	0.00
7) Phenol-d6	6.498	99	492662	41.406	ng	0.00
23) Nitrobenzene-d5	7.434	82	458389	41.554	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	132693	41.567	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	867449	43.439	ng	0.00
79) Terphenyl-d14	12.986	244	969963	38.464	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.634	88	79493	20.309	ng	99
3) Pyridine	3.399	79	198352	20.613	ng	98
4) n-Nitrosodimethylamine	3.340	42	97556	20.059	ng	100
6) Aniline	6.540	93	224200	21.661	ng	96
8) 2-Chlorophenol	6.657	128	199701	21.169	ng	100
9) Benzaldehyde	6.428	77	152483	21.383	ng	99
10) Phenol	6.510	94	261330	20.827	ng	98
11) bis(2-Chloroethyl)ether	6.610	93	195860	20.601	ng	100
12) 1,3-Dichlorobenzene	6.816	146	218012	20.945	ng	99
13) 1,4-Dichlorobenzene	6.892	146	222816	21.112	ng	100
14) 1,2-Dichlorobenzene	7.045	146	209619	21.394	ng	99
15) Benzyl Alcohol	7.010	79	179832	20.978	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.145	45	272081	20.718	ng	99
17) 2-Methylphenol	7.122	107	160794	20.720	ng	99
18) Hexachloroethane	7.387	117	82445	21.130	ng	97
19) n-Nitroso-di-n-propyla...	7.281	70	147880	20.578	ng	99
20) 3+4-Methylphenols	7.275	107	203732	20.992	ng	97
22) Acetophenone	7.281	105	276331	20.672	ng	98
24) Nitrobenzene	7.457	77	233182	20.302	ng	99
25) Isophorone	7.692	82	397520	20.333	ng	100
26) 2-Nitrophenol	7.769	139	104117	20.428	ng	97
27) 2,4-Dimethylphenol	7.804	122	133218	20.416	ng	99
28) bis(2-Chloroethoxy)met...	7.904	93	246864	20.593	ng	100
29) 2,4-Dichlorophenol	8.010	162	165159	20.480	ng	99
30) 1,2,4-Trichlorobenzene	8.098	180	187022	20.831	ng	98
31) Naphthalene	8.181	128	611395	20.969	ng	100
32) Benzoic acid	7.898	122	103495	18.055	ng	98
33) 4-Chloroaniline	8.222	127	212489	20.956	ng	99
34) Hexachlorobutadiene	8.292	225	120624	21.087	ng	100
35) Caprolactam	8.575	113	54033	19.929	ng	100
36) 4-Chloro-3-methylphenol	8.698	107	183923	20.581	ng	99
37) 2-Methylnaphthalene	8.869	142	392634	21.001	ng	100
38) 1-Methylnaphthalene	8.969	142	386754	21.125	ng	98
40) 1,2,4,5-Tetrachloroben...	9.034	216	187279	21.097	ng	99
41) Hexachlorocyclopentadiene	9.022	237	45811	20.099	ng	98
43) 2,4,6-Trichlorophenol	9.145	196	120063	20.609	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
Data File : BF140335.D
Acq On : 13 Nov 2024 10:29
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Nov 13 14:24:16 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 13:11:08 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	132413	20.789	ng	98
46) 1,1'-Biphenyl	9.333	154	502252	21.506	ng	99
47) 2-Chloronaphthalene	9.357	162	368985	20.741	ng	99
48) 2-Nitroaniline	9.451	65	123220	20.885	ng	98
49) Acenaphthylene	9.775	152	573335	21.301	ng	99
50) Dimethylphthalate	9.628	163	440050	21.031	ng	100
51) 2,6-Dinitrotoluene	9.692	165	100599	21.089	ng	99
52) Acenaphthene	9.945	154	382783	21.056	ng	100
53) 3-Nitroaniline	9.863	138	107540	21.467	ng	99
54) 2,4-Dinitrophenol	9.969	184	47413	19.274	ng	96
55) Dibenzofuran	10.116	168	550502	21.391	ng	99
56) 4-Nitrophenol	10.016	139	76711	20.993	ng	99
57) 2,4-Dinitrotoluene	10.098	165	133852	21.321	ng	96
58) Fluorene	10.463	166	438095	21.548	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.233	232	104638	20.824	ng	98
60) Diethylphthalate	10.328	149	448855	20.979	ng	99
61) 4-Chlorophenyl-phenyle...	10.451	204	214868	21.407	ng	100
62) 4-Nitroaniline	10.475	138	105392	20.576	ng	99
63) Azobenzene	10.610	77	443044	20.957	ng	99
65) 4,6-Dinitro-2-methylph...	10.504	198	69851	21.089	ng	99
66) n-Nitrosodiphenylamine	10.569	169	369633	20.780	ng	99
67) 4-Bromophenyl-phenylether	10.945	248	128501	20.881	ng	97
68) Hexachlorobenzene	11.010	284	143099	20.667	ng	98
69) Atrazine	11.092	200	83124	15.446	ng	98
70) Pentachlorophenol	11.204	266	76218	20.435	ng	99
71) Phenanthrene	11.422	178	606738	20.980	ng	100
72) Anthracene	11.475	178	594950	20.991	ng	99
73) Carbazole	11.627	167	592904	21.186	ng	100
74) Di-n-butylphthalate	11.957	149	707973	21.077	ng	100
75) Fluoranthene	12.616	202	702671	21.657	ng	99
77) Benzidine	12.733	184	299422	17.823	ng	100
78) Pyrene	12.845	202	719319	19.212	ng	99
80) Butylbenzylphthalate	13.463	149	286162	19.895	ng	98
81) Benzo(a)anthracene	14.051	228	591480	20.560	ng	99
82) 3,3'-Dichlorobenzidine	14.016	252	189466	20.720	ng	99
83) Chrysene	14.092	228	540430	20.589	ng	99
84) Bis(2-ethylhexyl)phtha...	14.039	149	392830	20.462	ng	99
85) Di-n-octyl phthalate	14.692	149	556097	20.567	ng	99
87) Indeno(1,2,3-cd)pyrene	17.092	276	382218	18.415	ng	99
88) Benzo(b)fluoranthene	15.151	252	494335	22.491	ng	99
89) Benzo(k)fluoranthene	15.180	252	376428	20.964	ng	99
90) Benzo(a)pyrene	15.527	252	354286	20.757	ng	99
91) Dibenzo(a,h)anthracene	17.109	278	317133	18.485	ng	99
92) Benzo(g,h,i)perylene	17.545	276	320648	18.281	ng	99

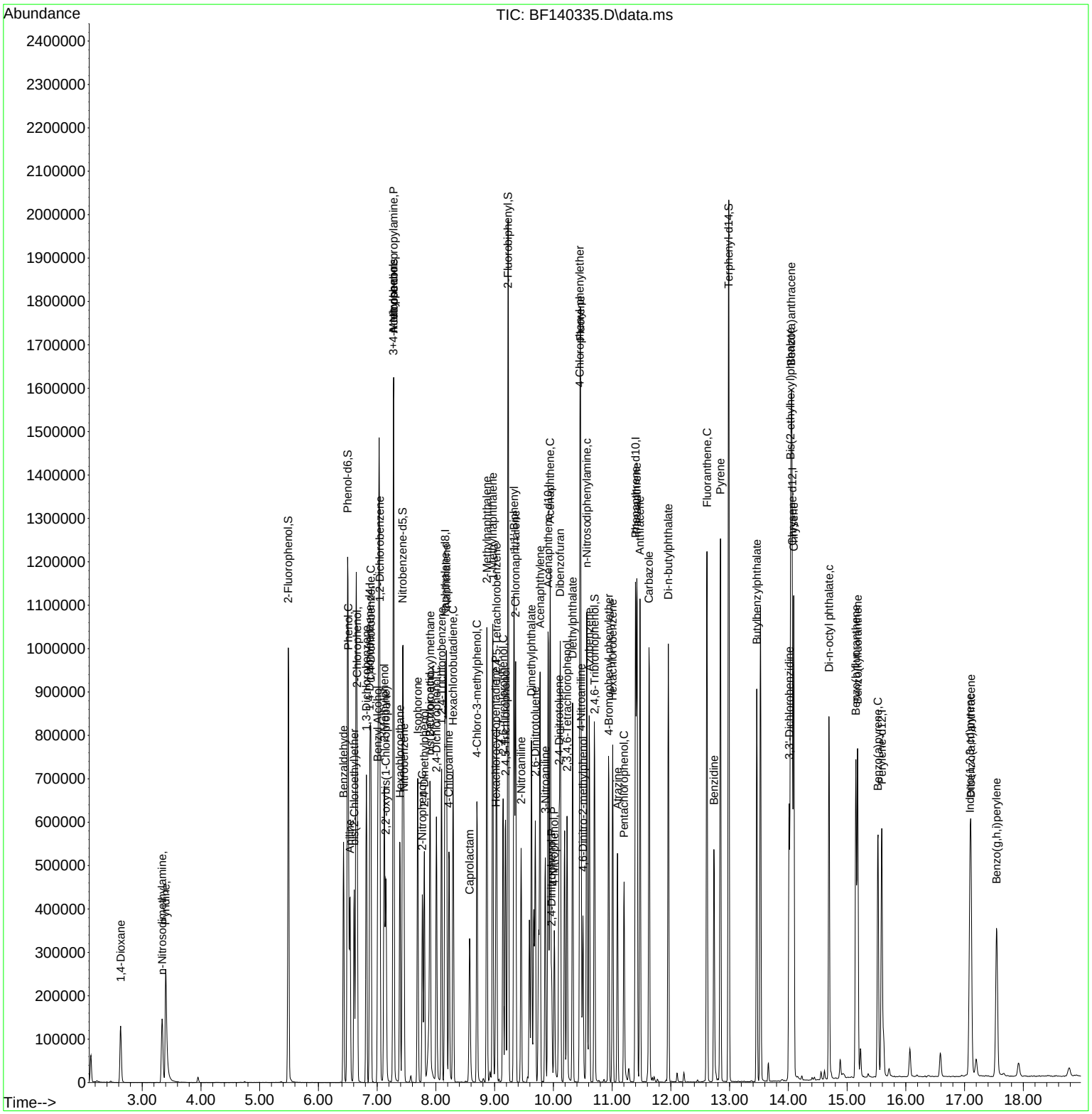
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
Data File : BF140335.D
Acq On : 13 Nov 2024 10:29
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Nov 13 14:24:16 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 13:11:08 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
Data File : BF140337.D
Acq On : 13 Nov 2024 11:21
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Nov 13 14:26:04 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 13:11:08 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	173750	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	645813	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	355715	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	673585	20.000	ng	0.00
76) Chrysene-d12	14.057	240	373903	20.000	ng	0.00
86) Perylene-d12	15.563	264	343764	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	946604	93.020	ng	0.00
7) Phenol-d6	6.510	99	1288691	93.469	ng	0.00
23) Nitrobenzene-d5	7.445	82	1188653	95.898	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	339834	96.071	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	2000974	90.428	ng	0.00
79) Terphenyl-d14	12.992	244	2129859	98.876	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.646	88	215224	47.452	ng	99
3) Pyridine	3.410	79	516550	46.326	ng	99
4) n-Nitrosodimethylamine	3.375	42	279565	49.608	ng	97
6) Aniline	6.545	93	550294	45.882	ng	99
8) 2-Chlorophenol	6.669	128	510922	46.739	ng	98
9) Benzaldehyde	6.434	77	359475	43.503	ng	99
10) Phenol	6.528	94	687077	47.255	ng	95
11) bis(2-Chloroethyl)ether	6.616	93	533018	48.382	ng	98
12) 1,3-Dichlorobenzene	6.822	146	560974	46.511	ng	98
13) 1,4-Dichlorobenzene	6.898	146	567404	46.396	ng	99
14) 1,2-Dichlorobenzene	7.051	146	526417	46.367	ng	99
15) Benzyl Alcohol	7.022	79	477924	48.113	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	723520	47.546	ng	98
17) 2-Methylphenol	7.128	107	433403	48.196	ng	99
18) Hexachloroethane	7.392	117	217240	48.050	ng	99
19) n-Nitroso-di-n-propyla...	7.298	70	383726	46.082	ng	99
20) 3+4-Methylphenols	7.287	107	521407	46.364	ng	92
22) Acetophenone	7.292	105	700174	46.615	ng	98
24) Nitrobenzene	7.463	77	629010	48.740	ng	99
25) Isophorone	7.698	82	1056536	48.095	ng	100
26) 2-Nitrophenol	7.775	139	282885	49.397	ng	96
27) 2,4-Dimethylphenol	7.810	122	356541	48.629	ng	98
28) bis(2-Chloroethoxy)met...	7.910	93	642458	47.695	ng	100
29) 2,4-Dichlorophenol	8.016	162	439530	48.507	ng	98
30) 1,2,4-Trichlorobenzene	8.098	180	481552	47.735	ng	99
31) Naphthalene	8.181	128	1534595	46.842	ng	99
32) Benzoic acid	7.945	122	347409	53.939	ng	98
33) 4-Chloroaniline	8.234	127	538110	47.230	ng	99
34) Hexachlorobutadiene	8.298	225	304280	47.340	ng	98
35) Caprolactam	8.610	113	147323	48.359	ng	99
36) 4-Chloro-3-methylphenol	8.710	107	482944	48.095	ng	99
37) 2-Methylnaphthalene	8.869	142	985640	46.920	ng	100
38) 1-Methylnaphthalene	8.969	142	951332	46.247	ng	100
40) 1,2,4,5-Tetrachloroben...	9.039	216	466149	47.389	ng	99
41) Hexachlorocyclopentadiene	9.022	237	138691	54.914	ng	100
43) 2,4,6-Trichlorophenol	9.145	196	320277	49.613	ng	99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
Data File : BF140337.D
Acq On : 13 Nov 2024 11:21
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Nov 13 14:26:04 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 13:11:08 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	344237	48.773	ng	98
46) 1,1'-Biphenyl	9.334	154	1216913	47.025	ng	99
47) 2-Chloronaphthalene	9.363	162	945855	47.981	ng	99
48) 2-Nitroaniline	9.457	65	324847	49.689	ng	98
49) Acenaphthylene	9.781	152	1406468	47.156	ng	100
50) Dimethylphthalate	9.639	163	1108191	47.796	ng	100
51) 2,6-Dinitrotoluene	9.704	165	258909	48.982	ng	99
52) Acenaphthene	9.951	154	970618	48.182	ng	99
53) 3-Nitroaniline	9.869	138	272892	49.160	ng	98
54) 2,4-Dinitrophenol	9.975	184	158026	57.974	ng	97
55) Dibenzofuran	10.122	168	1335552	46.833	ng	100
56) 4-Nitrophenol	10.028	139	213518	52.733	ng	99
57) 2,4-Dinitrotoluene	10.104	165	343847	49.427	ng	97
58) Fluorene	10.463	166	1038836	46.112	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	274144	49.236	ng	99
60) Diethylphthalate	10.333	149	1130922	47.701	ng	99
61) 4-Chlorophenyl-phenyle...	10.457	204	518480	46.617	ng	98
62) 4-Nitroaniline	10.486	138	280913	49.492	ng	99
63) Azobenzene	10.616	77	1112412	47.487	ng	99
65) 4,6-Dinitro-2-methylph...	10.516	198	197492	54.495	ng	99
66) n-Nitrosodiphenylamine	10.575	169	910897	46.803	ng	100
67) 4-Bromophenyl-phenylether	10.945	248	321760	47.787	ng	99
68) Hexachlorobenzene	11.016	284	351412	46.386	ng	98
69) Atrazine	11.098	200	261515	44.413	ng	99
70) Pentachlorophenol	11.204	266	220904	54.132	ng	99
71) Phenanthrene	11.428	178	1461484	46.188	ng	100
72) Anthracene	11.480	178	1447653	46.682	ng	100
73) Carbazole	11.633	167	1425182	46.543	ng	100
74) Di-n-butylphthalate	11.963	149	1745220	47.487	ng	100
75) Fluoranthene	12.616	202	1620115	45.637	ng	99
77) Benzidine	12.739	184	693785	48.345	ng	99
78) Pyrene	12.851	202	1615345	50.507	ng	99
80) Butylbenzylphthalate	13.463	149	626234	50.971	ng	97
81) Benzo(a)anthracene	14.045	228	1148657	46.743	ng	100
82) 3,3'-Dichlorobenzidine	14.004	252	379732	48.617	ng	99
83) Chrysene	14.086	228	1062734	47.398	ng	100
84) Bis(2-ethylhexyl)phtha...	14.027	149	801820	48.894	ng	100
85) Di-n-octyl phthalate	14.668	149	1109314	48.030	ng	99
87) Indeno(1,2,3-cd)pyrene	17.074	276	1130711	53.247	ng	100
88) Benzo(b)fluoranthene	15.127	252	1061367	47.198	ng	100
89) Benzo(k)fluoranthene	15.157	252	818554	44.558	ng	99
90) Benzo(a)pyrene	15.504	252	833765	47.745	ng	99
91) Dibenzo(a,h)anthracene	17.092	278	923159	52.593	ng	99
92) Benzo(g,h,i)perylene	17.533	276	963891	53.714	ng	99

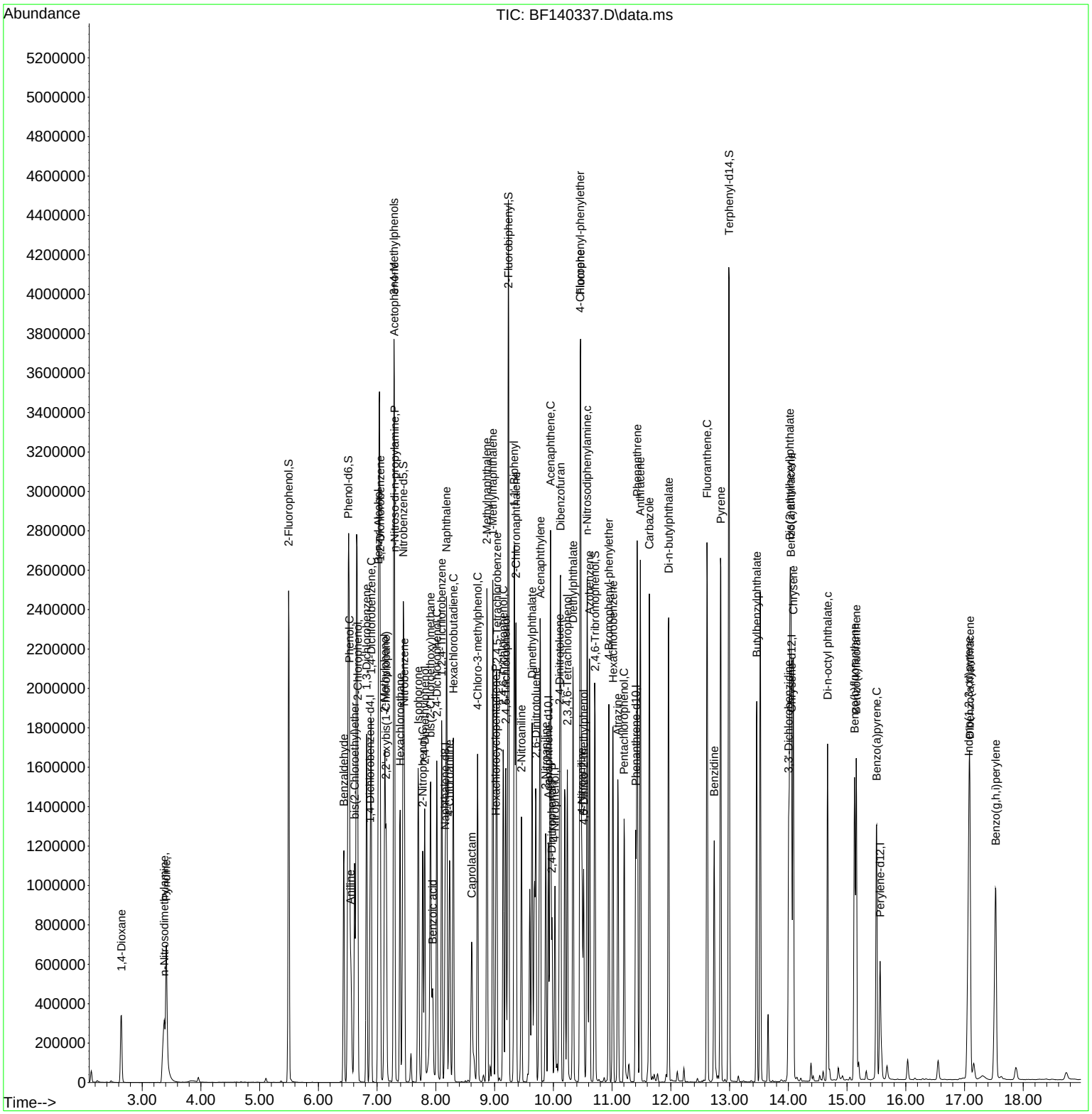
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
Data File : BF140337.D
Acq On : 13 Nov 2024 11:21
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Nov 13 14:26:04 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 13:11:08 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
Data File : BF140338.D
Acq On : 13 Nov 2024 11:47
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Nov 13 14:26:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 13:11:08 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.881	152	169226	20.000	ng		0.00
21) Naphthalene-d8	8.163	136	626974	20.000	ng		0.00
39) Acenaphthene-d10	9.916	164	349852	20.000	ng		0.00
64) Phenanthrene-d10	11.404	188	653888	20.000	ng		0.00
76) Chrysene-d12	14.057	240	336717	20.000	ng		0.00
86) Perylene-d12	15.568	264	334279	20.000	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.498	112	1135551	114.570	ng		0.00
7) Phenol-d6	6.516	99	1529819	113.924	ng		0.01
23) Nitrobenzene-d5	7.445	82	1426102	118.512	ng		0.00
42) 2,4,6-Tribromophenol	10.710	330	397743	114.327	ng		0.00
45) 2-Fluorobiphenyl	9.233	172	2330064	107.065	ng		0.00
79) Terphenyl-d14	12.992	244	2404917	123.975	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.646	88	257092	58.199	ng		99
3) Pyridine	3.416	79	627905	57.818	ng		100
4) n-Nitrosodimethylamine	3.387	42	340452	62.027	ng		97
6) Aniline	6.545	93	644899	55.207	ng	#	84
8) 2-Chlorophenol	6.669	128	601333	56.481	ng		99
9) Benzaldehyde	6.434	77	397310	49.367	ng		99
10) Phenol	6.528	94	810917	57.263	ng		94
11) bis(2-Chloroethyl)ether	6.622	93	633964	59.083	ng		98
12) 1,3-Dichlorobenzene	6.822	146	668862	56.939	ng		99
13) 1,4-Dichlorobenzene	6.898	146	673261	56.523	ng		99
14) 1,2-Dichlorobenzene	7.051	146	616097	55.716	ng		98
15) Benzyl Alcohol	7.022	79	562583	58.150	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	855004	57.688	ng		93
17) 2-Methylphenol	7.134	107	515819	58.895	ng		98
18) Hexachloroethane	7.392	117	256957	58.354	ng		98
19) n-Nitroso-di-n-propyla...	7.298	70	459430	56.648	ng		99
20) 3+4-Methylphenols	7.286	107	608092	55.518	ng		99
22) Acetophenone	7.292	105	829586	56.891	ng	#	98
24) Nitrobenzene	7.469	77	740612	59.113	ng		99
25) Isophorone	7.704	82	1261423	59.147	ng		100
26) 2-Nitrophenol	7.781	139	339960	61.146	ng		99
27) 2,4-Dimethylphenol	7.810	122	426510	59.920	ng		98
28) bis(2-Chloroethoxy)met...	7.910	93	760029	58.119	ng		99
29) 2,4-Dichlorophenol	8.022	162	511715	58.170	ng		99
30) 1,2,4-Trichlorobenzene	8.104	180	566322	57.824	ng		100
31) Naphthalene	8.186	128	1796725	56.491	ng		99
32) Benzoic acid	7.957	122	425502	68.049	ng		97
33) 4-Chloroaniline	8.239	127	639243	57.793	ng		100
34) Hexachlorobutadiene	8.298	225	358172	57.398	ng		100
35) Caprolactam	8.622	113	178777	60.447	ng		95
36) 4-Chloro-3-methylphenol	8.716	107	571401	58.614	ng		100
37) 2-Methylnaphthalene	8.875	142	1141963	55.995	ng		100
38) 1-Methylnaphthalene	8.975	142	1113216	55.742	ng		100
40) 1,2,4,5-Tetrachloroben...	9.039	216	542595	56.085	ng		100
41) Hexachlorocyclopentadiene	9.022	237	166455	67.012	ng		99
43) 2,4,6-Trichlorophenol	9.151	196	369027	58.123	ng		100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
Data File : BF140338.D
Acq On : 13 Nov 2024 11:47
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Nov 13 14:26:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 13:11:08 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	408838	58.897	ng	99
46) 1,1'-Biphenyl	9.339	154	1409617	55.384	ng	100
47) 2-Chloronaphthalene	9.363	162	1100798	56.777	ng	99
48) 2-Nitroaniline	9.457	65	384307	59.769	ng	96
49) Acenaphthylene	9.780	152	1628948	55.531	ng	99
50) Dimethylphthalate	9.639	163	1305952	57.269	ng	100
51) 2,6-Dinitrotoluene	9.704	165	303778	58.434	ng	99
52) Acenaphthene	9.951	154	1132725	57.171	ng	100
53) 3-Nitroaniline	9.875	138	313217	57.370	ng	100
54) 2,4-Dinitrophenol	9.980	184	178562	66.606	ng	99
55) Dibenzofuran	10.122	168	1538256	54.845	ng	99
56) 4-Nitrophenol	10.033	139	249200	62.577	ng	99
57) 2,4-Dinitrotoluene	10.110	165	401261	58.647	ng	96
58) Fluorene	10.469	166	1193733	53.876	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	317173	57.919	ng	99
60) Diethylphthalate	10.339	149	1308229	56.104	ng	99
61) 4-Chlorophenyl-phenyle...	10.457	204	594806	54.376	ng	99
62) 4-Nitroaniline	10.492	138	328847	58.909	ng	100
63) Azobenzene	10.616	77	1305799	56.677	ng	98
65) 4,6-Dinitro-2-methylph...	10.522	198	234662	66.702	ng	97
66) n-Nitrosodiphenylamine	10.580	169	1061092	56.163	ng	99
67) 4-Bromophenyl-phenylether	10.945	248	369051	56.461	ng	97
68) Hexachlorobenzene	11.016	284	422038	57.387	ng	98
69) Atrazine	11.104	200	402831	70.474	ng	99
70) Pentachlorophenol	11.210	266	255229	64.427	ng	99
71) Phenanthrene	11.427	178	1669857	54.363	ng	99
72) Anthracene	11.480	178	1644863	54.639	ng	99
73) Carbazole	11.633	167	1635888	55.034	ng	99
74) Di-n-butylphthalate	11.963	149	2005925	56.225	ng	100
75) Fluoranthene	12.621	202	1830547	53.118	ng	99
77) Benzidine	12.739	184	963069	74.521	ng	99
78) Pyrene	12.851	202	1817826	63.115	ng	99
80) Butylbenzylphthalate	13.463	149	687900	62.173	ng	98
81) Benzo(a)anthracene	14.045	228	1306865	59.054	ng	99
82) 3,3'-Dichlorobenzidine	14.010	252	419937	59.701	ng	100
83) Chrysene	14.086	228	1134734	56.198	ng	99
84) Bis(2-ethylhexyl)phtha...	14.027	149	877334	59.407	ng	99
85) Di-n-octyl phthalate	14.674	149	1253939	60.287	ng	99
87) Indeno(1,2,3-cd)pyrene	17.080	276	1357877	65.759	ng	100
88) Benzo(b)fluoranthene	15.133	252	1236880	56.564	ng	100
89) Benzo(k)fluoranthene	15.162	252	937366	52.473	ng	98
90) Benzo(a)pyrene	15.509	252	982982	57.887	ng	100
91) Dibenzo(a,h)anthracene	17.098	278	1124071	65.856	ng	99
92) Benzo(g,h,i)perylene	17.539	276	1149411	65.870	ng	98

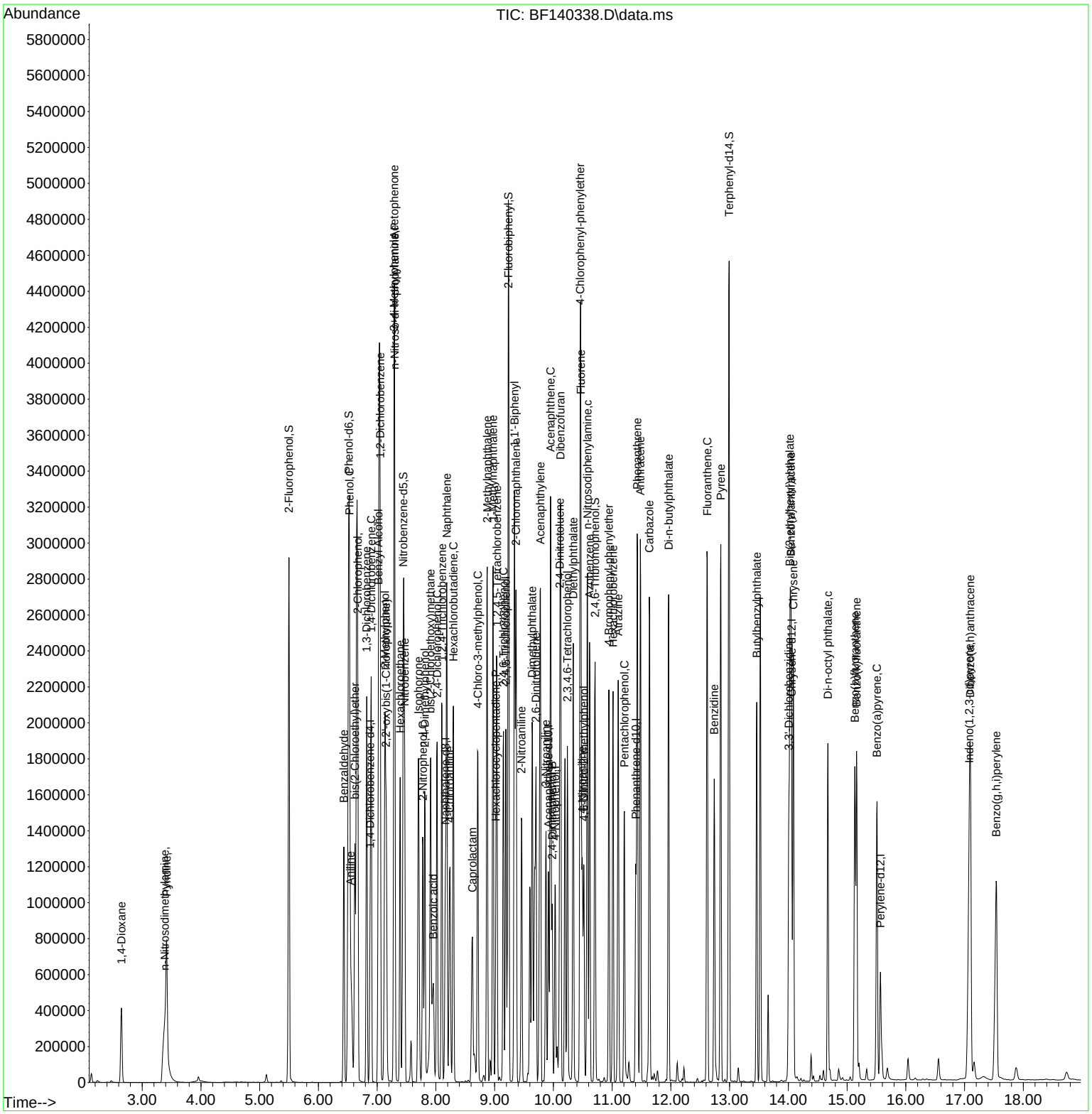
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
Data File : BF140338.D
Acq On : 13 Nov 2024 11:47
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Nov 13 14:26:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 13:11:08 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
Data File : BF140339.D
Acq On : 13 Nov 2024 12:13
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/14/2024
Supervised By :mohammad ahmed 11/14/2024

Quant Time: Nov 13 14:36:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 13:11:08 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.881	152	160348	20.000	ng		0.00
21) Naphthalene-d8	8.163	136	586224	20.000	ng		0.00
39) Acenaphthene-d10	9.916	164	324351	20.000	ng		0.00
64) Phenanthrene-d10	11.404	188	591968	20.000	ng		0.00
76) Chrysene-d12	14.057	240	305715	20.000	ng		0.00
86) Perylene-d12	15.562	264	310894	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.498	112	1324090	140.989	ng		0.00
7) Phenol-d6	6.522	99	1804257	141.801	ng		0.02
23) Nitrobenzene-d5	7.451	82	1661144	147.640	ng		0.01
42) 2,4,6-Tribromophenol	10.710	330	471699	146.244	ng		0.00
45) 2-Fluorobiphenyl	9.239	172	2675376	132.597	ng		0.00
79) Terphenyl-d14	12.992	244	2674139	151.833	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.651	88	307882	73.555	ng		100
3) Pyridine	3.422	79	735683	71.493	ng		99
4) n-Nitrosodimethylamine	3.398	42	402441	77.381	ng		99
6) Aniline	6.551	93	684015	61.797	ng	#	84
8) 2-Chlorophenol	6.675	128	709152	70.295	ng		99
10) Phenol	6.534	94	947993	70.649	ng		92
11) bis(2-Chloroethyl)ether	6.622	93	756191	74.376	ng		99
12) 1,3-Dichlorobenzene	6.822	146	783204	70.364	ng		98
13) 1,4-Dichlorobenzene	6.898	146	783319	69.404	ng		99
14) 1,2-Dichlorobenzene	7.057	146	710399	67.802	ng		99
15) Benzyl Alcohol	7.028	79	654439	71.389	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.157	45	993408	70.738	ng		96
17) 2-Methylphenol	7.133	107	604396	72.829	ng		98
18) Hexachloroethane	7.392	117	300328	71.979	ng		98
19) n-Nitroso-di-n-propyla...	7.304	70	543998	70.790	ng		100
20) 3+4-Methylphenols	7.292	107	699451	67.394	ng		96
22) Acetophenone	7.298	105	963095	70.637	ng		99
24) Nitrobenzene	7.469	77	870976	74.350	ng		99
25) Isophorone	7.704	82	1487295	74.586	ng		100
26) 2-Nitrophenol	7.781	139	401982	77.328	ng		99
27) 2,4-Dimethylphenol	7.816	122	500708	75.234	ng		99
28) bis(2-Chloroethoxy)met...	7.910	93	887655	72.597	ng		100
29) 2,4-Dichlorophenol	8.022	162	597530	72.647	ng		99
30) 1,2,4-Trichlorobenzene	8.104	180	663478	72.454	ng		99
31) Naphthalene	8.186	128	2076967	69.842	ng		99
32) Benzoic acid	7.969	122	529009	90.483	ng		96
33) 4-Chloroaniline	8.245	127	729859	70.572	ng		99
34) Hexachlorobutadiene	8.298	225	417242	71.513	ng		100
35) Caprolactam	8.627	113	208353m	75.344	ng		
36) 4-Chloro-3-methylphenol	8.716	107	672162	73.742	ng		100
37) 2-Methylnaphthalene	8.875	142	1323889	69.428	ng		100
38) 1-Methylnaphthalene	8.975	142	1289276	69.046	ng		99
40) 1,2,4,5-Tetrachloroben...	9.039	216	629856	70.223	ng		100
41) Hexachlorocyclopentadiene	9.022	237	187869	81.579	ng		99
43) 2,4,6-Trichlorophenol	9.151	196	442116	75.110	ng		99
44) 2,4,5-Trichlorophenol	9.198	196	468390	72.781	ng		98

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
Data File : BF140339.D
Acq On : 13 Nov 2024 12:13
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Nov 13 14:36:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 13:11:08 2024
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/14/2024
Supervised By :mohammad ahmed 11/14/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	9.339	154	1613420	68.375	ng	99
47) 2-Chloronaphthalene	9.363	162	1259442	70.067	ng	98
48) 2-Nitroaniline	9.463	65	454975	76.323	ng	98
49) Acenaphthylene	9.780	152	1869941	68.758	ng	99
50) Dimethylphthalate	9.645	163	1532197	72.473	ng	100
51) 2,6-Dinitrotoluene	9.704	165	348019	72.207	ng	93
52) Acenaphthene	9.951	154	1305360	71.065	ng	99
53) 3-Nitroaniline	9.874	138	356185	70.369	ng	98
54) 2,4-Dinitrophenol	9.980	184	217511	87.514	ng	98
55) Dibenzofuran	10.127	168	1743431	67.047	ng	100
56) 4-Nitrophenol	10.033	139	291787	79.032	ng	96
57) 2,4-Dinitrotoluene	10.110	165	454770	71.693	ng	94
58) Fluorene	10.469	166	1382804	67.316	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.245	232	374293	73.723	ng	100
60) Diethylphthalate	10.339	149	1537607	71.126	ng	99
61) 4-Chlorophenyl-phenyle...	10.457	204	685111	67.555	ng	99
62) 4-Nitroaniline	10.498	138	385246	74.437	ng	100
63) Azobenzene	10.621	77	1508804	70.637	ng	99
65) 4,6-Dinitro-2-methylph...	10.522	198	274337	86.136	ng	99
66) n-Nitrosodiphenylamine	10.580	169	1237130	72.330	ng	100
67) 4-Bromophenyl-phenylether	10.951	248	426112	72.010	ng	99
68) Hexachlorobenzene	11.016	284	491825	73.871	ng	99
69) Atrazine	11.110	200	495230	95.702	ng	99
70) Pentachlorophenol	11.210	266	308099	85.908	ng	99
71) Phenanthrene	11.433	178	1941678	69.825	ng	99
72) Anthracene	11.486	178	1901483	69.770	ng	100
73) Carbazole	11.639	167	1853513	68.878	ng	99
74) Di-n-butylphthalate	11.963	149	2283744	70.708	ng	100
75) Fluoranthene	12.621	202	2053832	65.832	ng	99
77) Benzidine	12.739	184	1147944	97.835	ng	99
78) Pyrene	12.851	202	2044224	78.173	ng	99
80) Butylbenzylphthalate	13.462	149	768354	76.487	ng	98
81) Benzo(a)anthracene	14.045	228	1461193	72.724	ng	100
82) 3,3'-Dichlorobenzidine	14.004	252	488462	76.486	ng	99
83) Chrysene	14.086	228	1343316	73.275	ng	99
84) Bis(2-ethylhexyl)phtha...	14.027	149	994724	74.186	ng	99
85) Di-n-octyl phthalate	14.668	149	1481946	78.474	ng	99
87) Indeno(1,2,3-cd)pyrene	17.074	276	1638318	85.308	ng	99
88) Benzo(b)fluoranthene	15.127	252	1490709	73.300	ng	100
89) Benzo(k)fluoranthene	15.156	252	1103915	66.445	ng	98
90) Benzo(a)pyrene	15.504	252	1179142	74.662	ng	99
91) Dibenzo(a,h)anthracene	17.098	278	1339293	84.367	ng	99
92) Benzo(g,h,i)perylene	17.539	276	1392525	85.805	ng	99

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

ICAL Form

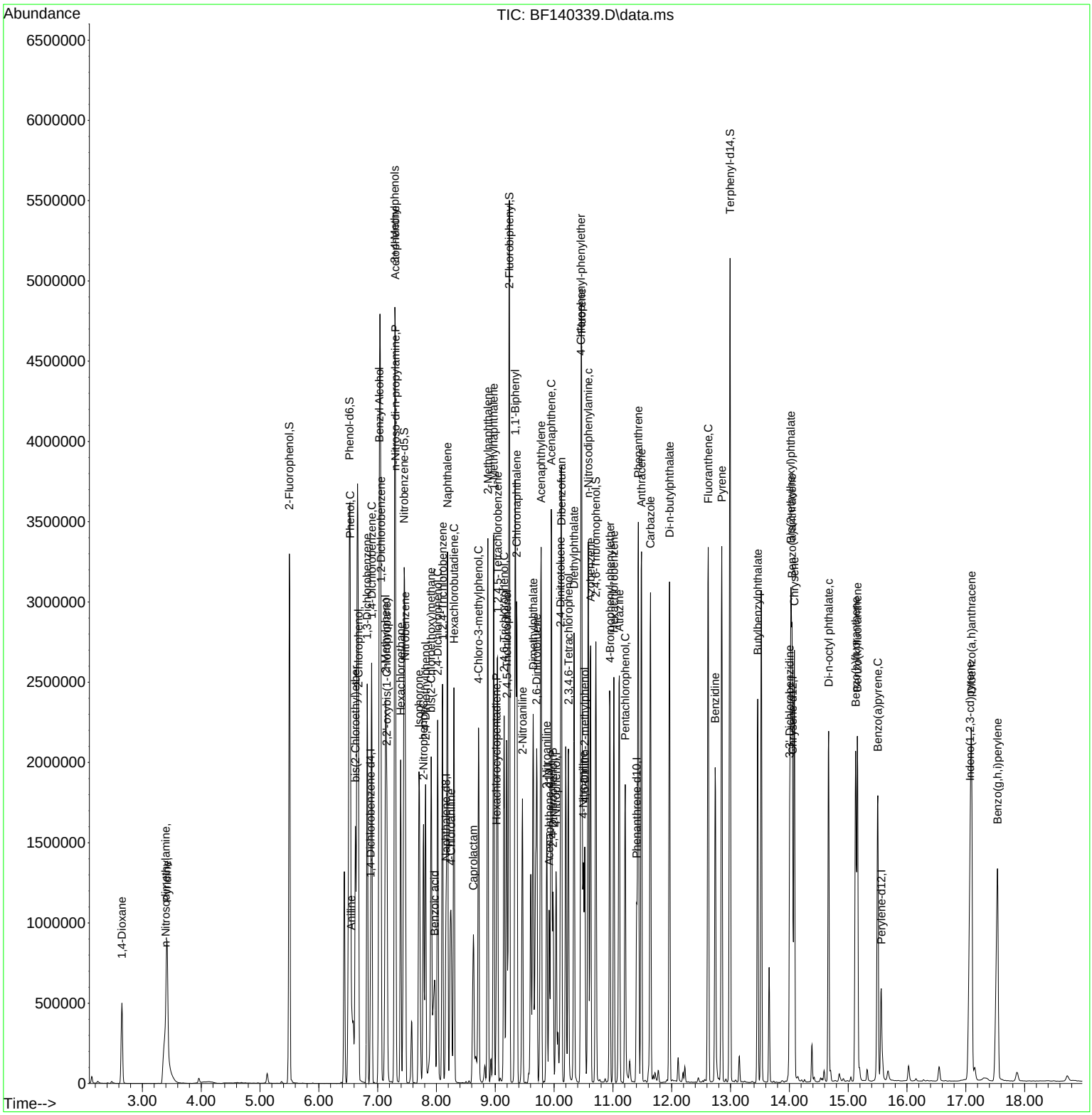
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
Data File : BF140339.D
Acq On : 13 Nov 2024 12:13
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 13 14:36:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 13:11:08 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/14/2024
Supervised By :mohammad ahmed 11/14/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
Data File : BF140340.D
Acq On : 13 Nov 2024 12:48
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Nov 13 14:28:55 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 13:11:08 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	147186	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	589077	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	334544	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	628587	20.000	ng	0.00
76) Chrysene-d12	14.063	240	385940	20.000	ng	0.01
86) Perylene-d12	15.580	264	322417	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	677089	78.544	ng	0.00
7) Phenol-d6	6.504	99	945074	80.918	ng	0.00
23) Nitrobenzene-d5	7.440	82	884247	78.210	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	257655	77.449	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	1568502	75.369	ng	0.00
79) Terphenyl-d14	12.986	244	1733989	77.987	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.634	88	151541	39.442	ng	99
3) Pyridine	3.399	79	387454	41.019	ng	99
4) n-Nitrosodimethylamine	3.352	42	193917	40.620	ng	97
6) Aniline	6.540	93	427252	42.052	ng	100
8) 2-Chlorophenol	6.663	128	371904	40.162	ng	100
9) Benzaldehyde	6.428	77	262348	37.479	ng	99
10) Phenol	6.516	94	507443	41.199	ng	99
11) bis(2-Chloroethyl)ether	6.616	93	371673	39.825	ng	99
12) 1,3-Dichlorobenzene	6.816	146	404387	39.579	ng	99
13) 1,4-Dichlorobenzene	6.893	146	409423	39.520	ng	99
14) 1,2-Dichlorobenzene	7.051	146	380948	39.610	ng	100
15) Benzyl Alcohol	7.016	79	356418	42.357	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	534596	41.471	ng	99
17) 2-Methylphenol	7.128	107	313127	41.105	ng	99
18) Hexachloroethane	7.387	117	151355	39.519	ng	98
19) n-Nitroso-di-n-propyla...	7.287	70	288974	40.966	ng	98
20) 3+4-Methylphenols	7.281	107	397692	41.745	ng	96
22) Acetophenone	7.287	105	529699	38.662	ng	98
24) Nitrobenzene	7.457	77	462701	39.307	ng	99
25) Isophorone	7.698	82	793806	39.616	ng	99
26) 2-Nitrophenol	7.775	139	210859	40.366	ng	99
27) 2,4-Dimethylphenol	7.804	122	262308	39.222	ng	97
28) bis(2-Chloroethoxy)met...	7.904	93	479505	39.027	ng	100
29) 2,4-Dichlorophenol	8.016	162	323936	39.193	ng	99
30) 1,2,4-Trichlorobenzene	8.098	180	355366	38.619	ng	100
31) Naphthalene	8.181	128	1157149	38.723	ng	100
32) Benzoic acid	7.928	122	249383	42.449	ng	96
33) 4-Chloroaniline	8.228	127	400271	38.516	ng	100
34) Hexachlorobutadiene	8.292	225	227805	38.855	ng	99
35) Caprolactam	8.598	113	108216	38.943	ng	96
36) 4-Chloro-3-methylphenol	8.704	107	364230	39.766	ng	99
37) 2-Methylnaphthalene	8.869	142	744201	38.839	ng	99
38) 1-Methylnaphthalene	8.969	142	736798	39.267	ng	99
40) 1,2,4,5-Tetrachloroben...	9.034	216	354978	38.371	ng	99
41) Hexachlorocyclopentadiene	9.022	237	93127	39.207	ng	99
43) 2,4,6-Trichlorophenol	9.145	196	240824	39.666	ng	99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
Data File : BF140340.D
Acq On : 13 Nov 2024 12:48
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Nov 13 14:28:55 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 13:11:08 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44)	2,4,5-Trichlorophenol	9.187	196	260135	39.190	ng	99
46)	1,1'-Biphenyl	9.334	154	939571	38.605	ng	99
47)	2-Chloronaphthalene	9.357	162	712904	38.453	ng	99
48)	2-Nitroaniline	9.457	65	243614	39.621	ng	99
49)	Acenaphthylene	9.775	152	1094318	39.012	ng	100
50)	Dimethylphthalate	9.634	163	843750	38.694	ng	100
51)	2,6-Dinitrotoluene	9.698	165	198967	40.024	ng	99
52)	Acenaphthene	9.951	154	733408	38.711	ng	100
53)	3-Nitroaniline	9.869	138	207550	39.755	ng	100
54)	2,4-Dinitrophenol	9.975	184	98545	38.441	ng	98
55)	Dibenzofuran	10.122	168	1042453	38.868	ng	100
56)	4-Nitrophenol	10.022	139	157938	41.475	ng	98
57)	2,4-Dinitrotoluene	10.104	165	258886	39.569	ng	98
58)	Fluorene	10.463	166	804084	37.951	ng	99
59)	2,3,4,6-Tetrachlorophenol	10.239	232	212533	40.586	ng	99
60)	Diethylphthalate	10.334	149	861287	38.627	ng	99
61)	4-Chlorophenyl-phenyle...	10.451	204	403914	38.614	ng	99
62)	4-Nitroaniline	10.481	138	213640	40.022	ng	100
63)	Azobenzene	10.616	77	865008	39.263	ng	99
65)	4,6-Dinitro-2-methylph...	10.510	198	136662	40.409	ng	98
66)	n-Nitrosodiphenylamine	10.575	169	703286	38.723	ng	100
67)	4-Bromophenyl-phenylether	10.945	248	243728	38.789	ng	100
68)	Hexachlorobenzene	11.010	284	273839	38.734	ng	98
69)	Atrazine	11.098	200	181993	33.121	ng	99
70)	Pentachlorophenol	11.204	266	160120	42.046	ng	98
71)	Phenanthrene	11.428	178	1135052	38.440	ng	100
72)	Anthracene	11.481	178	1117453	38.613	ng	100
73)	Carbazole	11.633	167	1101588	38.551	ng	100
74)	Di-n-butylphthalate	11.957	149	1350065	39.365	ng	100
75)	Fluoranthene	12.616	202	1279456	38.621	ng	100
77)	Benzidine	12.739	184	504166	34.036	ng	99
78)	Pyrene	12.845	202	1295809	39.252	ng	100
80)	Butylbenzylphthalate	13.463	149	532219	41.968	ng	97
81)	Benzo(a)anthracene	14.051	228	975194	38.447	ng	99
82)	3,3'-Dichlorobenzidine	14.010	252	310326	38.491	ng	99
83)	Chrysene	14.086	228	901424	38.950	ng	100
84)	Bis(2-ethylhexyl)phtha...	14.033	149	715490	42.269	ng	100
85)	Di-n-octyl phthalate	14.680	149	995484	41.757	ng	100
87)	Indeno(1,2,3-cd)pyrene	17.086	276	811059	40.723	ng	100
88)	Benzo(b)fluoranthene	15.139	252	814405	38.614	ng	100
89)	Benzo(k)fluoranthene	15.174	252	683609	39.676	ng	99
90)	Benzo(a)pyrene	15.516	252	648346	39.585	ng	99
91)	Dibenzo(a,h)anthracene	17.104	278	670243	40.712	ng	99
92)	Benzo(g,h,i)perylene	17.545	276	685184	40.711	ng	100

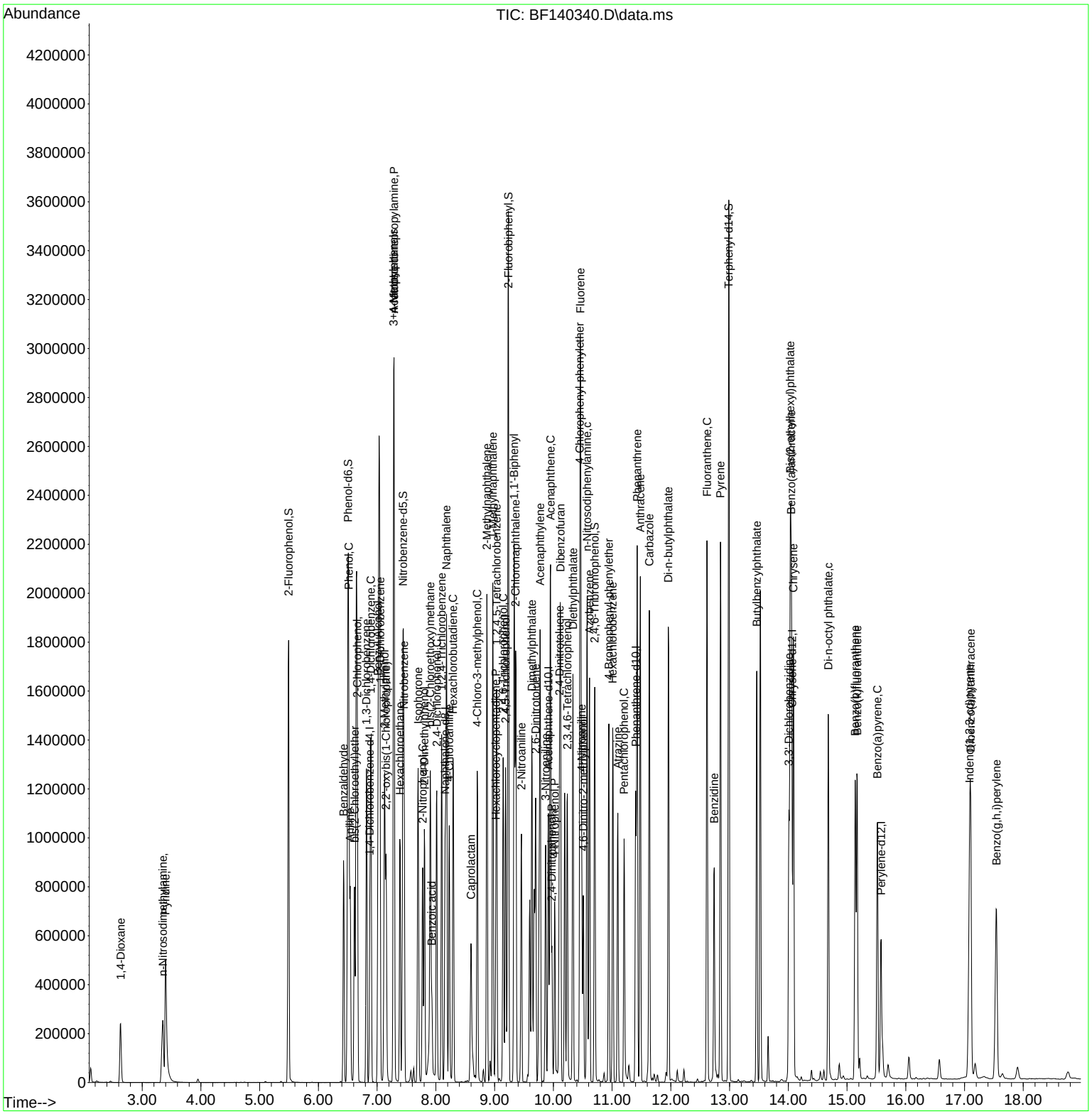
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
Data File : BF140340.D
Acq On : 13 Nov 2024 12:48
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Nov 13 14:28:55 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 13:11:08 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
Data File : BF140341.D
Acq On : 13 Nov 2024 13:19
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF111324

Quant Time: Nov 13 14:41:15 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	149980	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	587913	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	333123	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	631059	20.000	ng	0.00
76) Chrysene-d12	14.063	240	366437	20.000	ng	0.01
86) Perylene-d12	15.574	264	319261	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	684092	77.878	ng	0.00
7) Phenol-d6	6.504	99	943149	79.248	ng	0.00
23) Nitrobenzene-d5	7.440	82	885901	78.511	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	260432	78.617	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	1568824	75.707	ng	0.00
79) Terphenyl-d14	12.986	244	1705668	80.797	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.634	88	155026	39.597	ng	99
3) Pyridine	3.405	79	391304	40.655	ng	99
4) n-Nitrosodimethylamine	3.357	42	194133	39.908	ng	98
6) Aniline	6.540	93	429973	41.531	ng	99
8) 2-Chlorophenol	6.663	128	373546	39.588	ng	100
9) Benzaldehyde	6.428	77	266318	37.337	ng	99
10) Phenol	6.516	94	505284	40.259	ng	99
11) bis(2-Chloroethyl)ether	6.616	93	374368	39.367	ng	99
12) 1,3-Dichlorobenzene	6.816	146	407569	39.148	ng	99
13) 1,4-Dichlorobenzene	6.898	146	410968	38.930	ng	100
14) 1,2-Dichlorobenzene	7.051	146	381749	38.953	ng	100
15) Benzyl Alcohol	7.016	79	356665	41.596	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	529417	40.304	ng	100
17) 2-Methylphenol	7.128	107	312261	40.228	ng	99
18) Hexachloroethane	7.387	117	152783	39.149	ng	98
19) n-Nitroso-di-n-propyla...	7.292	70	288082	40.079	ng	99
20) 3+4-Methylphenols	7.281	107	398279	41.028	ng	99
22) Acetophenone	7.287	105	530294	38.782	ng	99
24) Nitrobenzene	7.463	77	461518	39.284	ng	99
25) Isophorone	7.698	82	791096	39.558	ng	100
26) 2-Nitrophenol	7.775	139	212967	40.850	ng	100
27) 2,4-Dimethylphenol	7.804	122	270554	40.536	ng	100
28) bis(2-Chloroethoxy)met...	7.904	93	481393	39.258	ng	99
29) 2,4-Dichlorophenol	8.016	162	326198	39.545	ng	99
30) 1,2,4-Trichlorobenzene	8.098	180	356725	38.843	ng	99
31) Naphthalene	8.181	128	1159811	38.889	ng	100
32) Benzoic acid	7.928	122	250402	42.635	ng	97
33) 4-Chloroaniline	8.228	127	404464	38.996	ng	99
34) Hexachlorobutadiene	8.298	225	227054	38.804	ng	99
35) Caprolactam	8.598	113	110611	40.345	ng	99
36) 4-Chloro-3-methylphenol	8.704	107	368906	40.356	ng	100
37) 2-Methylnaphthalene	8.869	142	747189	39.072	ng	100
38) 1-Methylnaphthalene	8.969	142	729079	38.933	ng	100
40) 1,2,4,5-Tetrachloroben...	9.034	216	356102	38.657	ng	100
41) Hexachlorocyclopentadiene	9.022	237	90509	38.267	ng	98
43) 2,4,6-Trichlorophenol	9.145	196	240423	39.769	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
Data File : BF140341.D
Acq On : 13 Nov 2024 13:19
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF111324

Quant Time: Nov 13 14:41:15 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	254749	38.542	ng	100
46) 1,1'-Biphenyl	9.334	154	946801	39.068	ng	99
47) 2-Chloronaphthalene	9.363	162	711544	38.543	ng	100
48) 2-Nitroaniline	9.457	65	243803	39.821	ng	99
49) Acenaphthylene	9.775	152	1088251	38.962	ng	100
50) Dimethylphthalate	9.634	163	845361	38.933	ng	99
51) 2,6-Dinitrotoluene	9.698	165	197768	39.952	ng	100
52) Acenaphthene	9.951	154	738443	39.143	ng	100
53) 3-Nitroaniline	9.869	138	206946	39.809	ng	99
54) 2,4-Dinitrophenol	9.975	184	102497	40.153	ng	99
55) Dibenzofuran	10.122	168	1049030	39.280	ng	99
56) 4-Nitrophenol	10.022	139	158431	41.782	ng	99
57) 2,4-Dinitrotoluene	10.104	165	262271	40.258	ng	100
58) Fluorene	10.463	166	811348	38.457	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	206672	39.601	ng	99
60) Diethylphthalate	10.333	149	864678	38.945	ng	100
61) 4-Chlorophenyl-phenyle...	10.451	204	400645	38.465	ng	99
62) 4-Nitroaniline	10.481	138	210281	39.561	ng	99
63) Azobenzene	10.616	77	869821	39.649	ng	99
65) 4,6-Dinitro-2-methylph...	10.510	198	139694	41.144	ng	100
66) n-Nitrosodiphenylamine	10.575	169	709758	38.926	ng	100
67) 4-Bromophenyl-phenylether	10.945	248	246390	39.059	ng	99
68) Hexachlorobenzene	11.010	284	277113	39.043	ng	99
69) Atrazine	11.098	200	180055	32.640	ng	98
70) Pentachlorophenol	11.204	266	159402	41.693	ng	99
71) Phenanthrene	11.428	178	1127194	38.024	ng	99
72) Anthracene	11.480	178	1114551	38.362	ng	100
73) Carbazole	11.633	167	1109519	38.676	ng	100
74) Di-n-butylphthalate	11.957	149	1356287	39.391	ng	100
75) Fluoranthene	12.616	202	1270353	38.196	ng	99
77) Benzidine	12.739	184	546613	38.866	ng	99
78) Pyrene	12.845	202	1274659	40.667	ng	100
80) Butylbenzylphthalate	13.463	149	512452	42.560	ng	98
81) Benzo(a)anthracene	14.051	228	947117	39.327	ng	99
82) 3,3'-Dichlorobenzidine	14.010	252	304604	39.793	ng	99
83) Chrysene	14.086	228	869491	39.569	ng	99
84) Bis(2-ethylhexyl)phtha...	14.033	149	678437	42.213	ng	100
85) Di-n-octyl phthalate	14.680	149	915547	40.448	ng	99
87) Indeno(1,2,3-cd)pyrene	17.080	276	815903	41.371	ng	100
88) Benzo(b)fluoranthene	15.139	252	775920	37.153	ng	99
89) Benzo(k)fluoranthene	15.168	252	693105	40.625	ng	99
90) Benzo(a)pyrene	15.510	252	637970	39.337	ng	100
91) Dibenzo(a,h)anthracene	17.098	278	682579	41.871	ng	100
92) Benzo(g,h,i)perylene	17.539	276	677222	40.635	ng	99

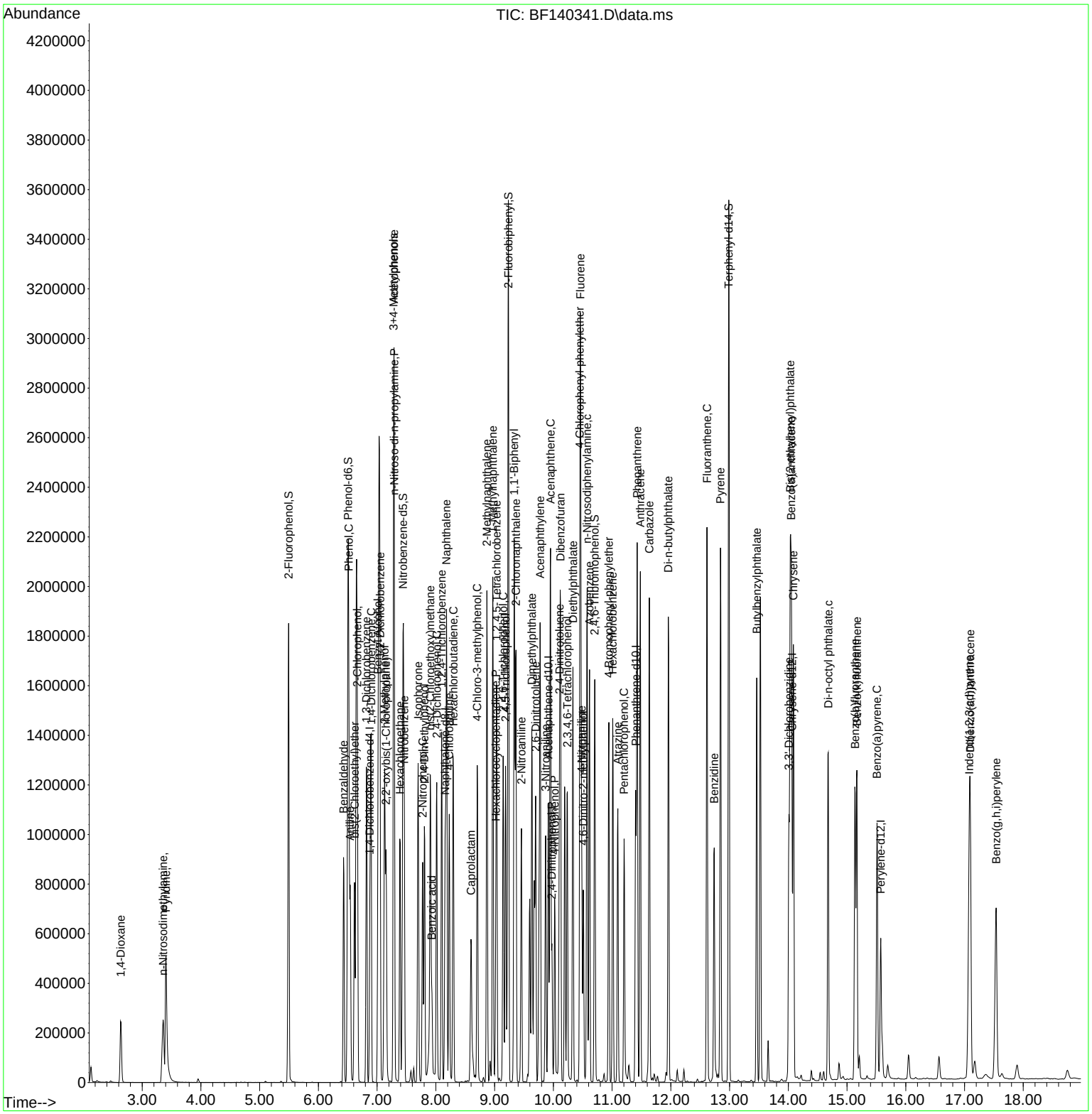
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
Data File : BF140341.D
Acq On : 13 Nov 2024 13:19
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF111324

Quant Time: Nov 13 14:41:15 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
Data File : BF140341.D
Acq On : 13 Nov 2024 13:19
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF111324

Quant Time: Nov 13 14:41:15 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
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	102	0.00
2		1,4-Dioxane	0.522	0.517	1.0	102	0.00
3		Pyridine	1.283	1.305	-1.7	101	0.00
4		n-Nitrosodimethylamine	0.649	0.647	0.3	100	0.00
5	S	2-Fluorophenol	1.171	1.140	2.6	101	0.00
6		Aniline	1.381	1.433	-3.8	101	0.00
7	S	Phenol-d6	1.587	1.572	0.9	100	0.00
8		2-Chlorophenol	1.258	1.245	1.0	100	0.00
9		Benzaldehyde	0.951	0.888	6.6	102	0.00
10	C	Phenol	1.674	1.685	-0.7	100	0.00
11		bis(2-Chloroethyl)ether	1.268	1.248	1.6	101	0.00
12		1,3-Dichlorobenzene	1.388	1.359	2.1	101	0.00
13	C	1,4-Dichlorobenzene	1.408	1.370	2.7	100	0.00
14		1,2-Dichlorobenzene	1.307	1.273	2.6	100	0.00
15		Benzyl Alcohol	1.143	1.189	-4.0	100	0.00
16		2,2'-oxybis(1-Chloropropane	1.752	1.765	-0.7	99	0.00
17		2-Methylphenol	1.035	1.041	-0.6	100	0.00
18		Hexachloroethane	0.520	0.509	2.1	101	0.00
19	P	n-Nitroso-di-n-propylamine	0.959	0.960	-0.1	100	0.00
20		3+4-Methylphenols	1.294	1.328	-2.6	100	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	100	0.00
22		Acetophenone	0.465	0.451	3.0	100	0.00
23	S	Nitrobenzene-d5	0.384	0.377	1.8	100	0.00
24		Nitrobenzene	0.400	0.393	1.8	100	0.00
25		Isophorone	0.680	0.673	1.0	100	0.00
26	C	2-Nitrophenol	0.177	0.181	-2.3	101	0.00
27		2,4-Dimethylphenol	0.227	0.230	-1.3	103	0.00
28		bis(2-Chloroethoxy)methane	0.417	0.409	1.9	100	0.00
29	C	2,4-Dichlorophenol	0.281	0.277	1.4	101	0.00
30		1,2,4-Trichlorobenzene	0.312	0.303	2.9	100	0.00
31		Naphthalene	1.015	0.986	2.9	100	0.00
32		Benzoic acid	0.200	0.213	-6.5	100	0.00
33		4-Chloroaniline	0.353	0.344	2.5	101	0.00
34	C	Hexachlorobutadiene	0.199	0.193	3.0	100	0.00
35		Caprolactam	0.093	0.094	-1.1	102	0.00
36	C	4-Chloro-3-methylphenol	0.311	0.314	-1.0	101	0.00
37		2-Methylnaphthalene	0.651	0.635	2.5	100	0.00
38		1-Methylnaphthalene	0.637	0.620	2.7	99	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	100	0.00
40		1,2,4,5-Tetrachlorobenzene	0.553	0.534	3.4	100	0.00
41	P	Hexachlorocyclopentadiene	0.142	0.136	4.2	97	0.00
42	S	2,4,6-Tribromophenol	0.199	0.195	2.0	101	0.00
43	C	2,4,6-Trichlorophenol	0.363	0.361	0.6	100	0.00
44		2,4,5-Trichlorophenol	0.397	0.382	3.8	98	0.00
45	S	2-Fluorobiphenyl	1.244	1.177	5.4	100	0.00
46		1,1'-Biphenyl	1.455	1.421	2.3	101	0.00
47		2-Chloronaphthalene	1.108	1.068	3.6	100	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
Data File : BF140341.D
Acq On : 13 Nov 2024 13:19
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF111324

Quant Time: Nov 13 14:41:15 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
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	0.368	0.366	0.5	100	0.00
49		Acenaphthylene	1.677	1.633	2.6	99	0.00
50		Dimethylphthalate	1.304	1.269	2.7	100	0.00
51		2,6-Dinitrotoluene	0.297	0.297	0.0	99	0.00
52	C	Acenaphthene	1.133	1.108	2.2	101	0.00
53		3-Nitroaniline	0.312	0.311	0.3	100	0.00
54	P	2,4-Dinitrophenol	0.153	0.154	-0.7	104	0.00
55		Dibenzofuran	1.603	1.575	1.7	101	0.00
56	P	4-Nitrophenol	0.228	0.238	-4.4	100	0.00
57		2,4-Dinitrotoluene	0.391	0.394	-0.8	101	0.00
58		Fluorene	1.267	1.218	3.9	101	0.00
59		2,3,4,6-Tetrachlorophenol	0.313	0.310	1.0	97	0.00
60		Diethylphthalate	1.333	1.298	2.6	100	0.00
61		4-Chlorophenyl-phenylether	0.625	0.601	3.8	99	0.00
62		4-Nitroaniline	0.319	0.316	0.9	98	0.00
63		Azobenzene	1.317	1.306	0.8	101	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	100	0.00
65		4,6-Dinitro-2-methylphenol	0.108	0.111	-2.8	102	0.00
66	c	n-Nitrosodiphenylamine	0.578	0.562	2.8	101	0.00
67		4-Bromophenyl-phenylether	0.200	0.195	2.5	101	0.00
68		Hexachlorobenzene	0.225	0.220	2.2	101	0.00
69		Atrazine	0.175	0.143	18.3	99	0.00
70	C	Pentachlorophenol	0.121	0.126	-4.1	100	0.00
71		Phenanthrene	0.940	0.893	5.0	99	0.00
72		Anthracene	0.921	0.883	4.1	100	0.00
73		Carbazole	0.909	0.879	3.3	101	0.00
74		Di-n-butylphthalate	1.091	1.075	1.5	100	0.00
75	C	Fluoranthene	1.054	1.007	4.5	99	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	95	0.01
77		Benzidine	0.768	0.746	2.9	108	0.00
78		Pyrene	1.711	1.739	-1.6	98	0.00
79	S	Terphenyl-d14	1.152	1.164	-1.0	98	0.00
80		Butylbenzylphthalate	0.657	0.699	-6.4	96	0.00
81		Benzo(a)anthracene	1.314	1.292	1.7	97	0.01
82		3,3'-Dichlorobenzidine	0.418	0.416	0.5	98	0.01
83		Chrysene	1.199	1.186	1.1	96	0.00
84		Bis(2-ethylhexyl)phthalate	0.877	0.926	-5.6	95	0.01
85	c	Di-n-octyl phthalate	1.235	1.249	-1.1	92	0.02
86	I	Perylene-d12	1.000	1.000	0.0	99	0.02
87		Indeno(1,2,3-cd)pyrene	1.235	1.278	-3.5	101	0.02
88		Benzo(b)fluoranthene	1.308	1.215	7.1	95	0.02
89		Benzo(k)fluoranthene	1.069	1.085	-1.5	101	0.02
90	C	Benzo(a)pyrene	1.016	0.999	1.7	98	0.02
91		Dibenzo(a,h)anthracene	1.021	1.069	-4.7	102	0.02
92		Benzo(g,h,i)perylene	1.044	1.061	-1.6	99	0.02

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
Data File : BF140341.D
Acq On : 13 Nov 2024 13:19
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF111324

Quant Time: Nov 13 14:41:15 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
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\BF111324\
Data File : BF140341.D
Acq On : 13 Nov 2024 13:19
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF111324

Quant Time: Nov 13 14:41:15 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
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	102	0.00
2		1,4-Dioxane	40.000	39.597	1.0	102	0.00
3		Pyridine	40.000	40.655	-1.6	101	0.00
4		n-Nitrosodimethylamine	40.000	39.908	0.2	100	0.00
5	S	2-Fluorophenol	80.000	77.878	2.7	101	0.00
6		Aniline	40.000	41.531	-3.8	101	0.00
7	S	Phenol-d6	80.000	79.248	0.9	100	0.00
8		2-Chlorophenol	40.000	39.588	1.0	100	0.00
9		Benzaldehyde	40.000	37.337	6.7	102	0.00
10	C	Phenol	40.000	40.259	-0.6	100	0.00
11		bis(2-Chloroethyl)ether	40.000	39.367	1.6	101	0.00
12		1,3-Dichlorobenzene	40.000	39.148	2.1	101	0.00
13	C	1,4-Dichlorobenzene	40.000	38.930	2.7	100	0.00
14		1,2-Dichlorobenzene	40.000	38.953	2.6	100	0.00
15		Benzyl Alcohol	40.000	41.596	-4.0	100	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	40.304	-0.8	99	0.00
17		2-Methylphenol	40.000	40.228	-0.6	100	0.00
18		Hexachloroethane	40.000	39.149	2.1	101	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	40.079	-0.2	100	0.00
20		3+4-Methylphenols	40.000	41.028	-2.6	100	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	100	0.00
22		Acetophenone	40.000	38.782	3.0	100	0.00
23	S	Nitrobenzene-d5	80.000	78.511	1.9	100	0.00
24		Nitrobenzene	40.000	39.284	1.8	100	0.00
25		Isophorone	40.000	39.558	1.1	100	0.00
26	C	2-Nitrophenol	40.000	40.850	-2.1	101	0.00
27		2,4-Dimethylphenol	40.000	40.536	-1.3	103	0.00
28		bis(2-Chloroethoxy)methane	40.000	39.258	1.9	100	0.00
29	C	2,4-Dichlorophenol	40.000	39.545	1.1	101	0.00
30		1,2,4-Trichlorobenzene	40.000	38.843	2.9	100	0.00
31		Naphthalene	40.000	38.889	2.8	100	0.00
32		Benzoic acid	40.000	42.635	-6.6	100	0.00
33		4-Chloroaniline	40.000	38.996	2.5	101	0.00
34	C	Hexachlorobutadiene	40.000	38.804	3.0	100	0.00
35		Caprolactam	40.000	40.345	-0.9	102	0.00
36	C	4-Chloro-3-methylphenol	40.000	40.356	-0.9	101	0.00
37		2-Methylnaphthalene	40.000	39.072	2.3	100	0.00
38		1-Methylnaphthalene	40.000	38.933	2.7	99	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	100	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	38.657	3.4	100	0.00
41	P	Hexachlorocyclopentadiene	40.000	38.267	4.3	97	0.00
42	S	2,4,6-Tribromophenol	80.000	78.617	1.7	101	0.00
43	C	2,4,6-Trichlorophenol	40.000	39.769	0.6	100	0.00
44		2,4,5-Trichlorophenol	40.000	38.542	3.6	98	0.00
45	S	2-Fluorobiphenyl	80.000	75.707	5.4	100	0.00
46		1,1'-Biphenyl	40.000	39.068	2.3	101	0.00
47		2-Chloronaphthalene	40.000	38.543	3.6	100	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
Data File : BF140341.D
Acq On : 13 Nov 2024 13:19
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF111324

Quant Time: Nov 13 14:41:15 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	39.821	0.4	100	0.00
49		Acenaphthylene	40.000	38.962	2.6	99	0.00
50		Dimethylphthalate	40.000	38.933	2.7	100	0.00
51		2,6-Dinitrotoluene	40.000	39.952	0.1	99	0.00
52	C	Acenaphthene	40.000	39.143	2.1	101	0.00
53		3-Nitroaniline	40.000	39.809	0.5	100	0.00
54	P	2,4-Dinitrophenol	40.000	40.153	-0.4	104	0.00
55		Dibenzofuran	40.000	39.280	1.8	101	0.00
56	P	4-Nitrophenol	40.000	41.782	-4.5	100	0.00
57		2,4-Dinitrotoluene	40.000	40.258	-0.6	101	0.00
58		Fluorene	40.000	38.457	3.9	101	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	39.601	1.0	97	0.00
60		Diethylphthalate	40.000	38.945	2.6	100	0.00
61		4-Chlorophenyl-phenylether	40.000	38.465	3.8	99	0.00
62		4-Nitroaniline	40.000	39.561	1.1	98	0.00
63		Azobenzene	40.000	39.649	0.9	101	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	100	0.00
65		4,6-Dinitro-2-methylphenol	40.000	41.144	-2.9	102	0.00
66	c	n-Nitrosodiphenylamine	40.000	38.926	2.7	101	0.00
67		4-Bromophenyl-phenylether	40.000	39.059	2.4	101	0.00
68		Hexachlorobenzene	40.000	39.043	2.4	101	0.00
69		Atrazine	40.000	32.640	18.4	99	0.00
70	C	Pentachlorophenol	40.000	41.693	-4.2	100	0.00
71		Phenanthrene	40.000	38.024	4.9	99	0.00
72		Anthracene	40.000	38.362	4.1	100	0.00
73		Carbazole	40.000	38.676	3.3	101	0.00
74		Di-n-butylphthalate	40.000	39.391	1.5	100	0.00
75	C	Fluoranthene	40.000	38.196	4.5	99	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	95	0.01
77		Benzidine	40.000	38.866	2.8	108	0.00
78		Pyrene	40.000	40.667	-1.7	98	0.00
79	S	Terphenyl-d14	80.000	80.797	-1.0	98	0.00
80		Butylbenzylphthalate	40.000	42.560	-6.4	96	0.00
81		Benzo(a)anthracene	40.000	39.327	1.7	97	0.01
82		3,3'-Dichlorobenzidine	40.000	39.793	0.5	98	0.01
83		Chrysene	40.000	39.569	1.1	96	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	42.213	-5.5	95	0.01
85	c	Di-n-octyl phthalate	40.000	40.448	-1.1	92	0.02
86	I	Perylene-d12	20.000	20.000	0.0	99	0.02
87		Indeno(1,2,3-cd)pyrene	40.000	41.371	-3.4	101	0.02
88		Benzo(b)fluoranthene	40.000	37.153	7.1	95	0.02
89		Benzo(k)fluoranthene	40.000	40.625	-1.6	101	0.02
90	C	Benzo(a)pyrene	40.000	39.337	1.7	98	0.02
91		Dibenzo(a,h)anthracene	40.000	41.871	-4.7	102	0.02
92		Benzo(g,h,i)perylene	40.000	40.635	-1.6	99	0.02

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
Data File : BF140341.D
Acq On : 13 Nov 2024 13:19
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF111324

Quant Time: Nov 13 14:41:15 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
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

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM Case No.: P4843 SAS No.: P4843 SDG No.: P4843

Instrument ID: BNA_F Calibration Date/Time: 11/20/2024 09:31

Lab File ID: BF140488.D Init. Calib. Date(s): 11/13/2024 11/13/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:01 12:48

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.171	1.183		1.0	
Phenol-d6	1.587	1.579		-0.5	
Phenol	1.674	1.657		-1.0	20.0
1,4-Dichlorobenzene	1.408	1.432		1.7	20.0
Nitrobenzene-d5	0.384	0.392		2.1	
1,2,4-Trichlorobenzene	0.312	0.324		3.8	
Naphthalene	1.015	1.040		2.5	
2-Fluorobiphenyl	1.244	1.282		3.1	
2,4,6-Tribromophenol	0.199	0.210		5.5	
Terphenyl-d14	1.152	1.323		14.8	

All other compounds must meet a minimum RRF of 0.010.

Sample Results: **BF140488.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140488.D
Acq On : 20 Nov 2024 09:31
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 20 10:35:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.875	152	132364	20.000	ng		0.00
21) Naphthalene-d8	8.157	136	490485	20.000	ng		0.00
39) Acenaphthene-d10	9.916	164	273054	20.000	ng		0.00
64) Phenanthrene-d10	11.404	188	510213	20.000	ng		0.00
76) Chrysene-d12	14.051	240	268548	20.000	ng		0.00
86) Perylene-d12	15.539	264	246006	20.000	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.504	112	626328	80.791	ng		0.01
7) Phenol-d6	6.516	99	835879	79.582	ng		0.01
23) Nitrobenzene-d5	7.439	82	768178	81.601	ng		0.00
42) 2,4,6-Tribromophenol	10.704	330	229869	84.657	ng		0.00
45) 2-Fluorobiphenyl	9.228	172	1400225	82.435	ng		0.00
79) Terphenyl-d14	12.986	244	1421238	91.863	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.628	88	138405	40.057	ng		98
3) Pyridine	3.404	79	335412	39.486	ng		100
4) n-Nitrosodimethylamine	3.357	42	165619	38.578	ng		99
6) Aniline	6.540	93	342599	37.496	ng	#	61
8) 2-Chlorophenol	6.663	128	335737	40.316	ng		99
9) Benzaldehyde	6.428	77	379602	60.302	ng		98
10) Phenol	6.528	94	438741	39.610	ng		86
11) bis(2-Chloroethyl)ether	6.610	93	338041	40.278	ng		99
12) 1,3-Dichlorobenzene	6.816	146	373631	40.664	ng		99
13) 1,4-Dichlorobenzene	6.892	146	378996	40.679	ng		99
14) 1,2-Dichlorobenzene	7.045	146	351114	40.596	ng		99
15) Benzyl Alcohol	7.016	79	302807	40.015	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.145	45	432663	37.322	ng		66
17) 2-Methylphenol	7.134	107	273264	39.889	ng		96
18) Hexachloroethane	7.386	117	141716	41.146	ng		98
19) n-Nitroso-di-n-propyla...	7.287	70	242440	38.218	ng		99
20) 3+4-Methylphenols	7.287	107	341542	39.866	ng	#	90
22) Acetophenone	7.281	105	459893	40.314	ng		99
24) Nitrobenzene	7.457	77	400779	40.890	ng		99
25) Isophorone	7.692	82	667210	39.991	ng		100
26) 2-Nitrophenol	7.775	139	185216	42.584	ng		99
27) 2,4-Dimethylphenol	7.810	122	229224m	41.165	ng		
28) bis(2-Chloroethoxy)met...	7.904	93	414691	40.536	ng		100
29) 2,4-Dichlorophenol	8.022	162	288595	41.936	ng		99
30) 1,2,4-Trichlorobenzene	8.098	180	318306	41.545	ng		100
31) Naphthalene	8.181	128	1020666	41.021	ng		100
32) Benzoic acid	7.939	122	209323	42.721	ng		99
33) 4-Chloroaniline	8.228	127	335737	38.800	ng		99
34) Hexachlorobutadiene	8.292	225	204877	41.969	ng		99
35) Caprolactam	8.598	113	93813	41.015	ng		97
36) 4-Chloro-3-methylphenol	8.716	107	316051	41.442	ng		98
37) 2-Methylnaphthalene	8.869	142	650164	40.752	ng		99
38) 1-Methylnaphthalene	8.969	142	636817	40.761	ng		100
40) 1,2,4,5-Tetrachloroben...	9.033	216	317385	42.033	ng		99
41) Hexachlorocyclopentadiene	9.016	237	69250	35.720	ng		97
43) 2,4,6-Trichlorophenol	9.151	196	206019	41.575	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140488.D
Acq On : 20 Nov 2024 09:31
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 20 10:35:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	228093	42.101	ng	97
46) 1,1'-Biphenyl	9.333	154	819790	41.269	ng	99
47) 2-Chloronaphthalene	9.357	162	624878	41.295	ng	99
48) 2-Nitroaniline	9.457	65	204862	40.822	ng	99
49) Acenaphthylene	9.775	152	939848	41.051	ng	99
50) Dimethylphthalate	9.633	163	733122	41.191	ng	100
51) 2,6-Dinitrotoluene	9.698	165	171295	42.217	ng	99
52) Acenaphthene	9.945	154	642037m	41.519	ng	
53) 3-Nitroaniline	9.869	138	173780	40.783	ng	99
54) 2,4-Dinitrophenol	9.980	184	84341	40.309	ng	97
55) Dibenzofuran	10.122	168	894341	40.855	ng	100
56) 4-Nitrophenol	10.039	139	118069	37.987	ng	98
57) 2,4-Dinitrotoluene	10.104	165	224038	41.954	ng	100
58) Fluorene	10.463	166	715498	41.374	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	175256	40.969	ng	98
60) Diethylphthalate	10.328	149	741052	40.719	ng	99
61) 4-Chlorophenyl-phenyle...	10.451	204	354853	41.564	ng	99
62) 4-Nitroaniline	10.486	138	173157	39.743	ng	99
63) Azobenzene	10.610	77	722195	40.162	ng	98
65) 4,6-Dinitro-2-methylph...	10.516	198	123832	45.111	ng	96
66) n-Nitrosodiphenylamine	10.575	169	611778	41.500	ng	100
67) 4-Bromophenyl-phenylether	10.945	248	211410	41.452	ng	98
68) Hexachlorobenzene	11.010	284	241874	42.150	ng	100
69) Atrazine	11.098	200	163963	36.762	ng	100
70) Pentachlorophenol	11.210	266	124117	40.153	ng	99
71) Phenanthrene	11.427	178	977064	40.766	ng	100
72) Anthracene	11.480	178	959400	40.843	ng	99
73) Carbazole	11.633	167	938052	40.444	ng	100
74) Di-n-butylphthalate	11.957	149	1130305	40.603	ng	100
75) Fluoranthene	12.616	202	1061273	39.468	ng	100
77) Benzidine	12.739	184	309358	30.014	ng	98
78) Pyrene	12.845	202	1070626	46.608	ng	100
80) Butylbenzylphthalate	13.457	149	393746	44.621	ng	98
81) Benzo(a)anthracene	14.039	228	734108	41.593	ng	99
82) 3,3'-Dichlorobenzidine	13.998	252	228373	40.709	ng	99
83) Chrysene	14.074	228	660037	40.986	ng	99
84) Bis(2-ethylhexyl)phtha...	14.015	149	480832	40.823	ng	99
85) Di-n-octyl phthalate	14.639	149	640686	38.622	ng	99
87) Indeno(1,2,3-cd)pyrene	17.051	276	702801	46.248	ng	99
88) Benzo(b)fluoranthene	15.104	252	583767	36.276	ng	99
89) Benzo(k)fluoranthene	15.133	252	557943	42.441	ng	100
90) Benzo(a)pyrene	15.474	252	515079	41.217	ng	99
91) Dibenzo(a,h)anthracene	17.062	278	575521	45.817	ng	100
92) Benzo(g,h,i)perylene	17.509	276	594253	46.275	ng	100

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

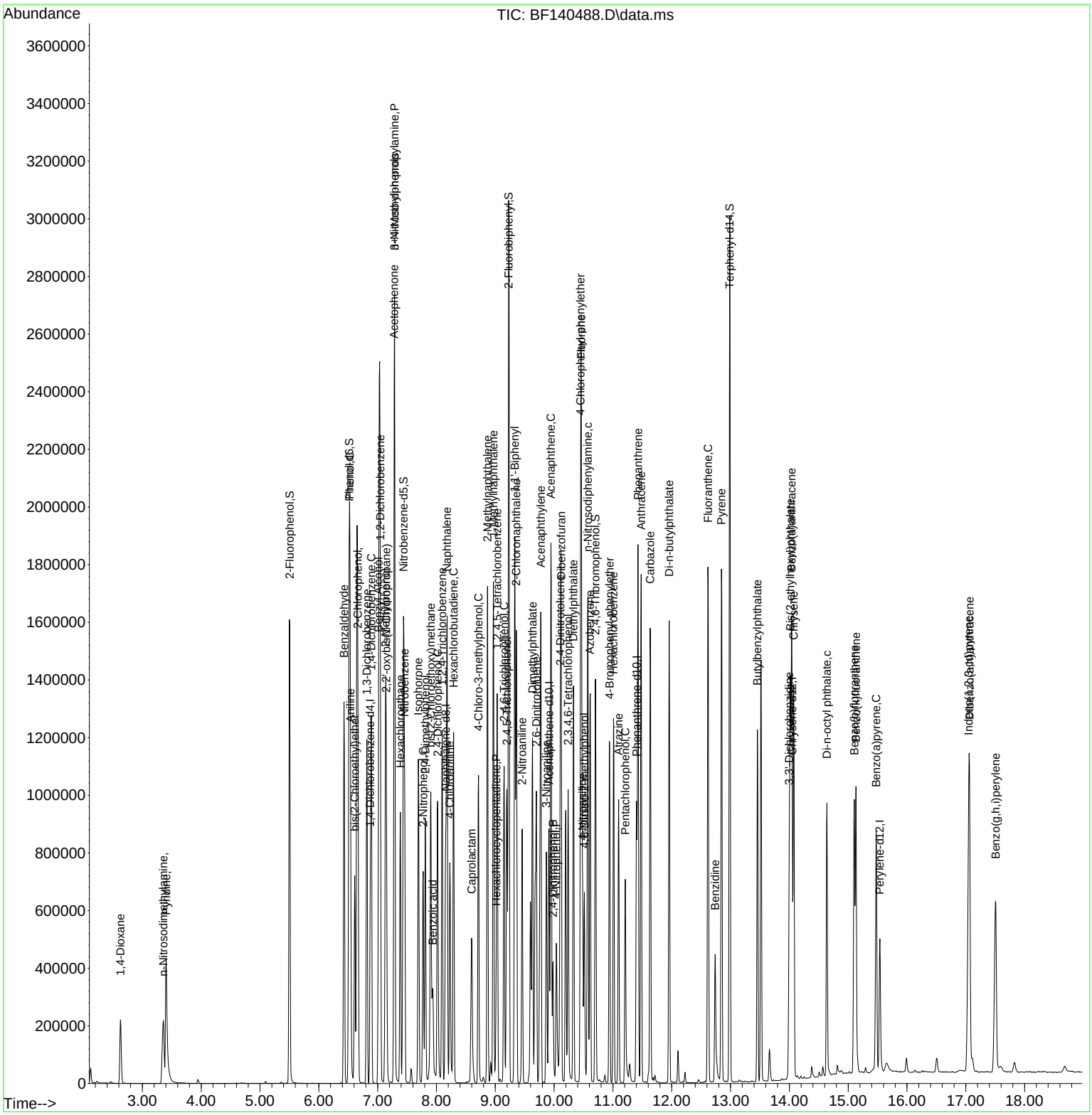
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140488.D
Acq On : 20 Nov 2024 09:31
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 20 10:35:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024



Sample Results: **BF140488.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140488.D
Acq On : 20 Nov 2024 09:31
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Nov 20 10:35:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
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	90	0.00
2		1,4-Dioxane	0.522	0.523	-0.2	91	0.00
3		Pyridine	1.283	1.267	1.2	87	0.00
4		n-Nitrosodimethylamine	0.649	0.626	3.5	85	0.00
5	S	2-Fluorophenol	1.171	1.183	-1.0	93	0.01
6		Aniline	1.381	1.294	6.3	80	0.00
7	S	Phenol-d6	1.587	1.579	0.5	88	0.01
8		2-Chlorophenol	1.258	1.268	-0.8	90	0.00
9		Benzaldehyde	0.951	1.434	-50.8#	145	0.00
10	C	Phenol	1.674	1.657	1.0	86	0.00
11		bis(2-Chloroethyl)ether	1.268	1.277	-0.7	91	0.00
12		1,3-Dichlorobenzene	1.388	1.411	-1.7	92	0.00
13	C	1,4-Dichlorobenzene	1.408	1.432	-1.7	93	0.00
14		1,2-Dichlorobenzene	1.307	1.326	-1.5	92	0.00
15		Benzyl Alcohol	1.143	1.144	-0.1	85	0.00
16		2,2'-oxybis(1-Chloropropane	1.752	1.634	6.7	81	0.00
17		2-Methylphenol	1.035	1.032	0.3	87	0.00
18		Hexachloroethane	0.520	0.535	-2.9	94	0.00
19	P	n-Nitroso-di-n-propylamine	0.959	0.916	4.5	84	0.00
20		3+4-Methylphenols	1.294	1.290	0.3	86	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	83	0.00
22		Acetophenone	0.465	0.469	-0.9	87	0.00
23	S	Nitrobenzene-d5	0.384	0.392	-2.1	87	0.00
24		Nitrobenzene	0.400	0.409	-2.2	87	0.00
25		Isophorone	0.680	0.680	0.0	84	0.00
26	C	2-Nitrophenol	0.177	0.189	-6.8	88	0.00
27		2,4-Dimethylphenol	0.227	0.234	-3.1	87	0.00
28		bis(2-Chloroethoxy)methane	0.417	0.423	-1.4	86	0.00
29	C	2,4-Dichlorophenol	0.281	0.294	-4.6	89	0.00
30		1,2,4-Trichlorobenzene	0.312	0.324	-3.8	90	0.00
31		Naphthalene	1.015	1.040	-2.5	88	0.00
32		Benzoic acid	0.200	0.213	-6.5	84	0.01
33		4-Chloroaniline	0.353	0.342	3.1	84	0.00
34	C	Hexachlorobutadiene	0.199	0.209	-5.0	90	0.00
35		Caprolactam	0.093	0.096	-3.2	87	0.00
36	C	4-Chloro-3-methylphenol	0.311	0.322	-3.5	87	0.01
37		2-Methylnaphthalene	0.651	0.663	-1.8	87	0.00
38		1-Methylnaphthalene	0.637	0.649	-1.9	86	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	82	0.00
40		1,2,4,5-Tetrachlorobenzene	0.553	0.581	-5.1	89	0.00
41	P	Hexachlorocyclopentadiene	0.142	0.127	10.6	74	0.00
42	S	2,4,6-Tribromophenol	0.199	0.210	-5.5	89	0.00
43	C	2,4,6-Trichlorophenol	0.363	0.377	-3.9	86	0.00
44		2,4,5-Trichlorophenol	0.397	0.418	-5.3	88	0.01
45	S	2-Fluorobiphenyl	1.244	1.282	-3.1	89	0.00
46		1,1'-Biphenyl	1.455	1.501	-3.2	87	0.00
47		2-Chloronaphthalene	1.108	1.144	-3.2	88	0.00

Sample Results: **BF140488.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140488.D
Acq On : 20 Nov 2024 09:31
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Nov 20 10:35:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
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	0.368	0.375	-1.9	84	0.00
49		Acenaphthylene	1.677	1.721	-2.6	86	0.00
50		Dimethylphthalate	1.304	1.342	-2.9	87	0.00
51		2,6-Dinitrotoluene	0.297	0.314	-5.7	86	0.00
52	C	Acenaphthene	1.133	1.176	-3.8	88	0.00
53		3-Nitroaniline	0.312	0.318	-1.9	84	0.00
54	P	2,4-Dinitrophenol	0.153	0.154	-0.7	86	0.00
55		Dibenzofuran	1.603	1.638	-2.2	86	0.00
56	P	4-Nitrophenol	0.228	0.216	5.3	75	0.02
57		2,4-Dinitrotoluene	0.391	0.410	-4.9	87	0.00
58		Fluorene	1.267	1.310	-3.4	89	0.00
59		2,3,4,6-Tetrachlorophenol	0.313	0.321	-2.6	82	0.00
60		Diethylphthalate	1.333	1.357	-1.8	86	0.00
61		4-Chlorophenyl-phenylether	0.625	0.650	-4.0	88	0.00
62		4-Nitroaniline	0.319	0.317	0.6	81	0.00
63		Azobenzene	1.317	1.322	-0.4	83	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	81	0.00
65		4,6-Dinitro-2-methylphenol	0.108	0.121	-12.0	91	0.00
66	c	n-Nitrosodiphenylamine	0.578	0.600	-3.8	87	0.00
67		4-Bromophenyl-phenylether	0.200	0.207	-3.5	87	0.00
68		Hexachlorobenzene	0.225	0.237	-5.3	88	0.00
69		Atrazine	0.175	0.161	8.0	90	0.00
70	C	Pentachlorophenol	0.121	0.122	-0.8	78	0.00
71		Phenanthrene	0.940	0.958	-1.9	86	0.00
72		Anthracene	0.921	0.940	-2.1	86	0.00
73		Carbazole	0.909	0.919	-1.1	85	0.00
74		Di-n-butylphthalate	1.091	1.108	-1.6	84	0.00
75	C	Fluoranthene	1.054	1.040	1.3	83	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	70	0.00
77		Benzidine	0.768	0.576	25.0#	61	0.00
78		Pyrene	1.711	1.993	-16.5	83	0.00
79	S	Terphenyl-d14	1.152	1.323	-14.8	82	0.00
80		Butylbenzylphthalate	0.657	0.733	-11.6	74	0.00
81		Benzo(a)anthracene	1.314	1.367	-4.0	75	0.00
82		3,3'-Dichlorobenzidine	0.418	0.425	-1.7	74	0.00
83		Chrysene	1.199	1.229	-2.5	73	0.00
84		Bis(2-ethylhexyl)phthalate	0.877	0.895	-2.1	67	0.00
85	c	Di-n-octyl phthalate	1.235	1.193	3.4	64	-0.02
86	I	Perylene-d12	1.000	1.000	0.0	76	-0.02
87		Indeno(1,2,3-cd)pyrene	1.235	1.428	-15.6	87	0.00
88		Benzo(b)fluoranthene	1.308	1.186	9.3	72	-0.01
89		Benzo(k)fluoranthene	1.069	1.134	-6.1	82	-0.02
90	C	Benzo(a)pyrene	1.016	1.047	-3.1	79	-0.02
91		Dibenzo(a,h)anthracene	1.021	1.170	-14.6	86	-0.01
92		Benzo(g,h,i)perylene	1.044	1.208	-15.7	87	0.00

Sample Results: **BF140488.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140488.D
Acq On : 20 Nov 2024 09:31
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Nov 20 10:35:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration

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

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

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

Sample Results: **BF140488.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140488.D
Acq On : 20 Nov 2024 09:31
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Nov 20 10:35:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
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	90	0.00
2		1,4-Dioxane	40.000	40.057	-0.1	91	0.00
3		Pyridine	40.000	39.486	1.3	87	0.00
4		n-Nitrosodimethylamine	40.000	38.578	3.6	85	0.00
5	S	2-Fluorophenol	80.000	80.791	-1.0	93	0.01
6		Aniline	40.000	37.496	6.3	80	0.00
7	S	Phenol-d6	80.000	79.582	0.5	88	0.01
8		2-Chlorophenol	40.000	40.316	-0.8	90	0.00
9		Benzaldehyde	40.000	60.302	-50.8#	145	0.00
10	C	Phenol	40.000	39.610	1.0	86	0.00
11		bis(2-Chloroethyl)ether	40.000	40.278	-0.7	91	0.00
12		1,3-Dichlorobenzene	40.000	40.664	-1.7	92	0.00
13	C	1,4-Dichlorobenzene	40.000	40.679	-1.7	93	0.00
14		1,2-Dichlorobenzene	40.000	40.596	-1.5	92	0.00
15		Benzyl Alcohol	40.000	40.015	-0.0	85	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	37.322	6.7	81	0.00
17		2-Methylphenol	40.000	39.889	0.3	87	0.00
18		Hexachloroethane	40.000	41.146	-2.9	94	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	38.218	4.5	84	0.00
20		3+4-Methylphenols	40.000	39.866	0.3	86	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	83	0.00
22		Acetophenone	40.000	40.314	-0.8	87	0.00
23	S	Nitrobenzene-d5	80.000	81.601	-2.0	87	0.00
24		Nitrobenzene	40.000	40.890	-2.2	87	0.00
25		Isophorone	40.000	39.991	0.0	84	0.00
26	C	2-Nitrophenol	40.000	42.584	-6.5	88	0.00
27		2,4-Dimethylphenol	40.000	41.165	-2.9	87	0.00
28		bis(2-Chloroethoxy)methane	40.000	40.536	-1.3	86	0.00
29	C	2,4-Dichlorophenol	40.000	41.936	-4.8	89	0.00
30		1,2,4-Trichlorobenzene	40.000	41.545	-3.9	90	0.00
31		Naphthalene	40.000	41.021	-2.6	88	0.00
32		Benzoic acid	40.000	42.721	-6.8	84	0.01
33		4-Chloroaniline	40.000	38.800	3.0	84	0.00
34	C	Hexachlorobutadiene	40.000	41.969	-4.9	90	0.00
35		Caprolactam	40.000	41.015	-2.5	87	0.00
36	C	4-Chloro-3-methylphenol	40.000	41.442	-3.6	87	0.01
37		2-Methylnaphthalene	40.000	40.752	-1.9	87	0.00
38		1-Methylnaphthalene	40.000	40.761	-1.9	86	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	82	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	42.033	-5.1	89	0.00
41	P	Hexachlorocyclopentadiene	40.000	35.720	10.7	74	0.00
42	S	2,4,6-Tribromophenol	80.000	84.657	-5.8	89	0.00
43	C	2,4,6-Trichlorophenol	40.000	41.575	-3.9	86	0.00
44		2,4,5-Trichlorophenol	40.000	42.101	-5.3	88	0.01
45	S	2-Fluorobiphenyl	80.000	82.435	-3.0	89	0.00
46		1,1'-Biphenyl	40.000	41.269	-3.2	87	0.00
47		2-Chloronaphthalene	40.000	41.295	-3.2	88	0.00

Sample Results: **BF140488.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140488.D
Acq On : 20 Nov 2024 09:31
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Nov 20 10:35:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
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	40.822	-2.1	84	0.00
49		Acenaphthylene	40.000	41.051	-2.6	86	0.00
50		Dimethylphthalate	40.000	41.191	-3.0	87	0.00
51		2,6-Dinitrotoluene	40.000	42.217	-5.5	86	0.00
52	C	Acenaphthene	40.000	41.519	-3.8	88	0.00
53		3-Nitroaniline	40.000	40.783	-2.0	84	0.00
54	P	2,4-Dinitrophenol	40.000	40.309	-0.8	86	0.00
55		Dibenzofuran	40.000	40.855	-2.1	86	0.00
56	P	4-Nitrophenol	40.000	37.987	5.0	75	0.02
57		2,4-Dinitrotoluene	40.000	41.954	-4.9	87	0.00
58		Fluorene	40.000	41.374	-3.4	89	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	40.969	-2.4	82	0.00
60		Diethylphthalate	40.000	40.719	-1.8	86	0.00
61		4-Chlorophenyl-phenylether	40.000	41.564	-3.9	88	0.00
62		4-Nitroaniline	40.000	39.743	0.6	81	0.00
63		Azobenzene	40.000	40.162	-0.4	83	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	81	0.00
65		4,6-Dinitro-2-methylphenol	40.000	45.111	-12.8	91	0.00
66	c	n-Nitrosodiphenylamine	40.000	41.500	-3.8	87	0.00
67		4-Bromophenyl-phenylether	40.000	41.452	-3.6	87	0.00
68		Hexachlorobenzene	40.000	42.150	-5.4	88	0.00
69		Atrazine	40.000	36.762	8.1	90	0.00
70	C	Pentachlorophenol	40.000	40.153	-0.4	78	0.00
71		Phenanthrene	40.000	40.766	-1.9	86	0.00
72		Anthracene	40.000	40.843	-2.1	86	0.00
73		Carbazole	40.000	40.444	-1.1	85	0.00
74		Di-n-butylphthalate	40.000	40.603	-1.5	84	0.00
75	C	Fluoranthene	40.000	39.468	1.3	83	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	70	0.00
77		Benzidine	40.000	30.014	25.0	61	0.00
78		Pyrene	40.000	46.608	-16.5	83	0.00
79	S	Terphenyl-d14	80.000	91.863	-14.8	82	0.00
80		Butylbenzylphthalate	40.000	44.621	-11.6	74	0.00
81		Benzo(a)anthracene	40.000	41.593	-4.0	75	0.00
82		3,3'-Dichlorobenzidine	40.000	40.709	-1.8	74	0.00
83		Chrysene	40.000	40.986	-2.5	73	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	40.823	-2.1	67	0.00
85	c	Di-n-octyl phthalate	40.000	38.622	3.4	64	-0.02
86	I	Perylene-d12	20.000	20.000	0.0	76	-0.02
87		Indeno(1,2,3-cd)pyrene	40.000	46.248	-15.6	87	0.00
88		Benzo(b)fluoranthene	40.000	36.276	9.3	72	-0.01
89		Benzo(k)fluoranthene	40.000	42.441	-6.1	82	-0.02
90	C	Benzo(a)pyrene	40.000	41.217	-3.0	79	-0.02
91		Dibenzo(a,h)anthracene	40.000	45.817	-14.5	86	-0.01
92		Benzo(g,h,i)perylene	40.000	46.275	-15.7	87	0.00

Sample Results: **BF140488.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140488.D
Acq On : 20 Nov 2024 09:31
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Nov 20 10:35:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration

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

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

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

QC SAMPLE DATA

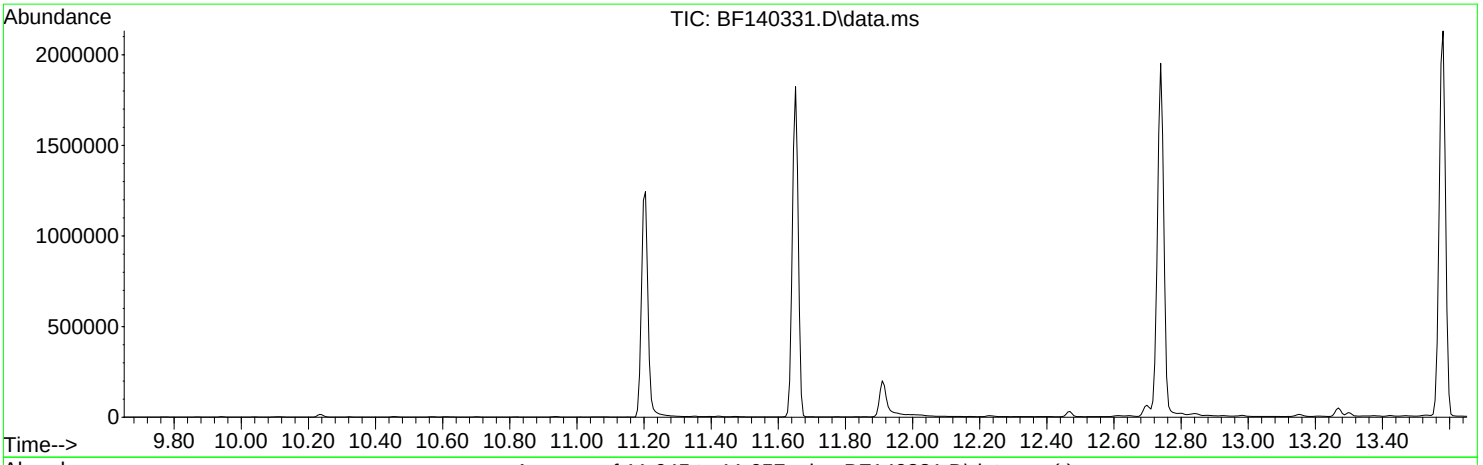
Sample Results: **BF140331.D**

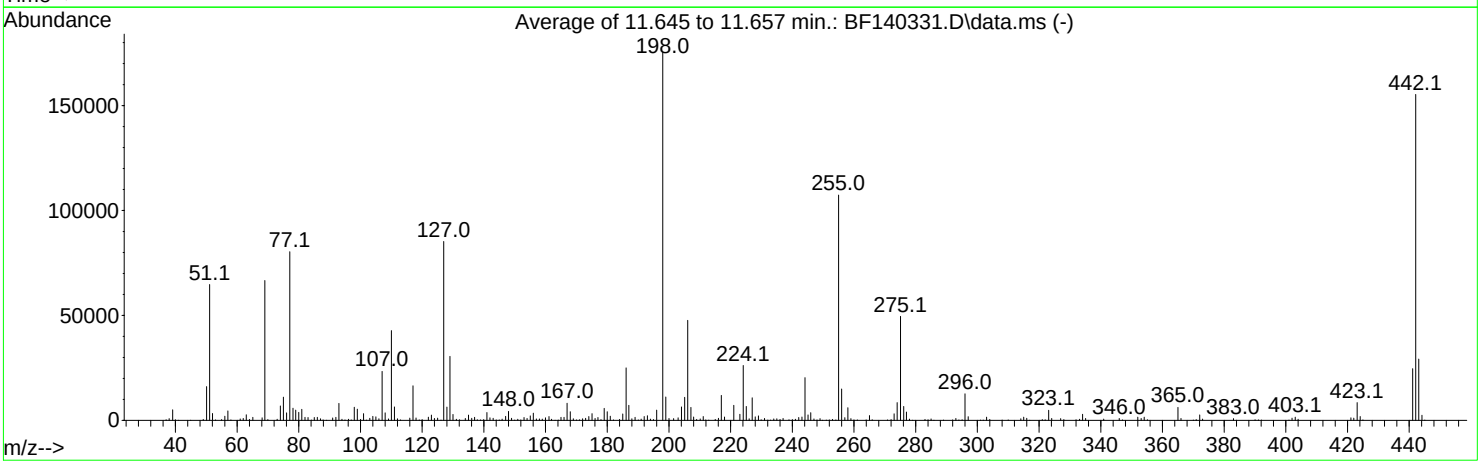
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
Data File : BF140331.D
Acq On : 13 Nov 2024 08:35
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Nov 13 14:40:06 2024





AutoFind: Scans 1624, 1625, 1626; Background Corrected with Scan 1617

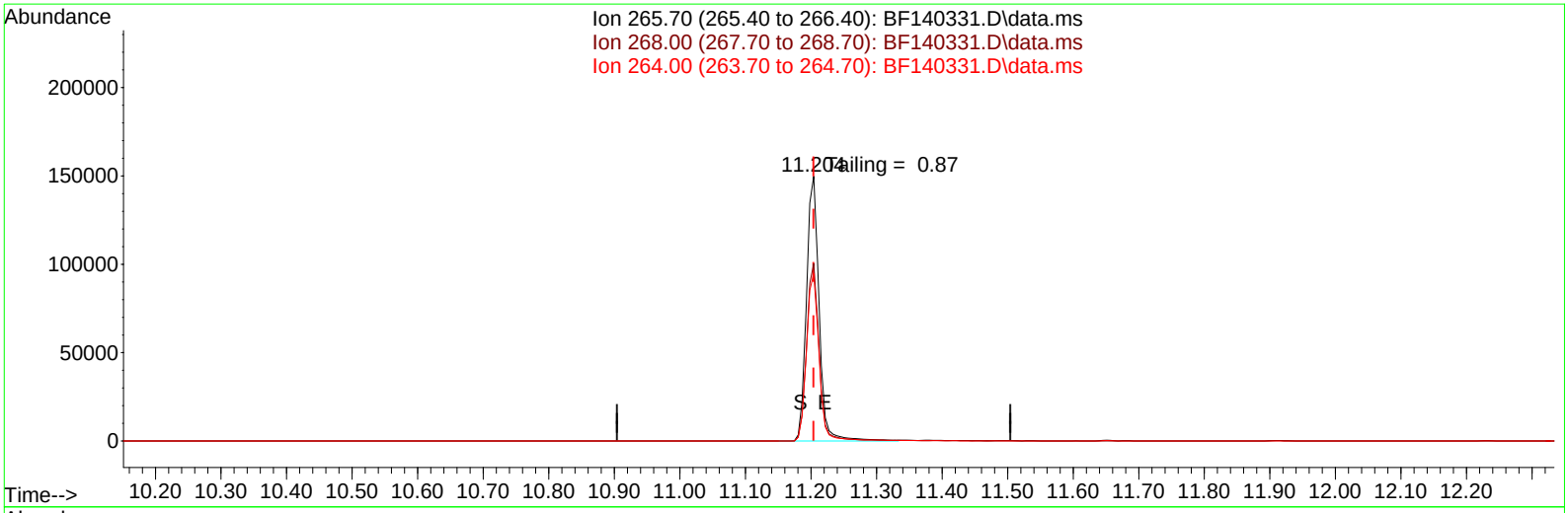
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	36.9	64757	PASS
68	69	0.00	2	1.8	1226	PASS
69	198	0.00	100	38.0	66677	PASS
70	69	0.00	2	0.6	372	PASS
127	198	10	80	48.6	85245	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	175296	PASS
199	198	5	9	6.4	11148	PASS
275	198	10	60	28.3	49536	PASS
365	198	1	100	3.5	6203	PASS
441	198	0.01	100	14.0	24595	PASS
442	442	50	100	100.0	155288	PASS
443	442	15	24	18.8	29203	PASS

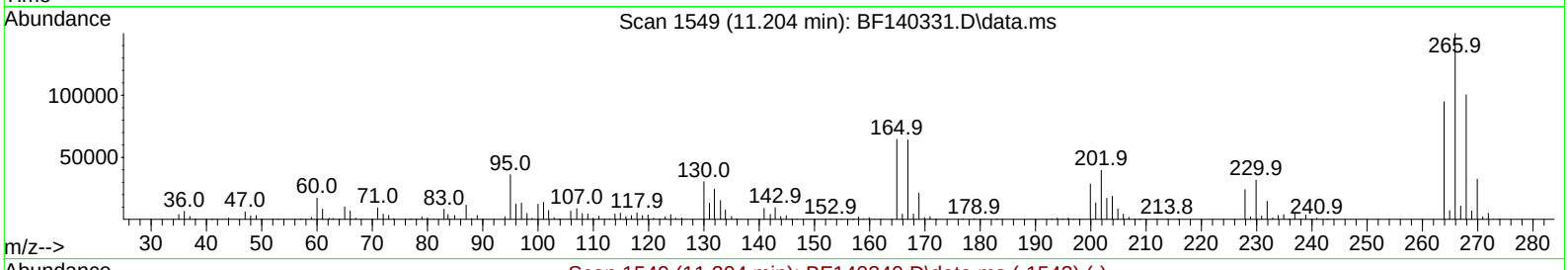
Sample Results: **BF140331.D**

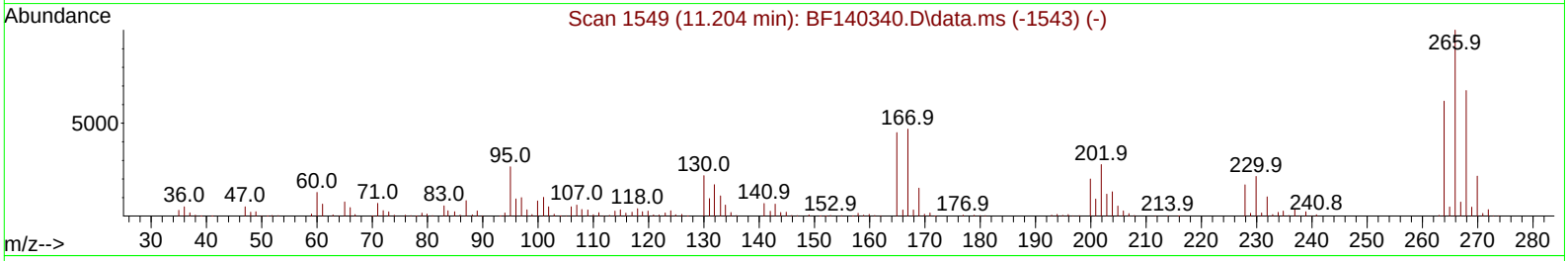
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
Data File : BF140331.D
Acq On : 13 Nov 2024 08:35
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Nov 13 14:44:41 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration







TIC: BF140331.D\data.ms

(70) Pentachlorophenol (C)

11.204min (0.000) 23118.21 ng

response 201406

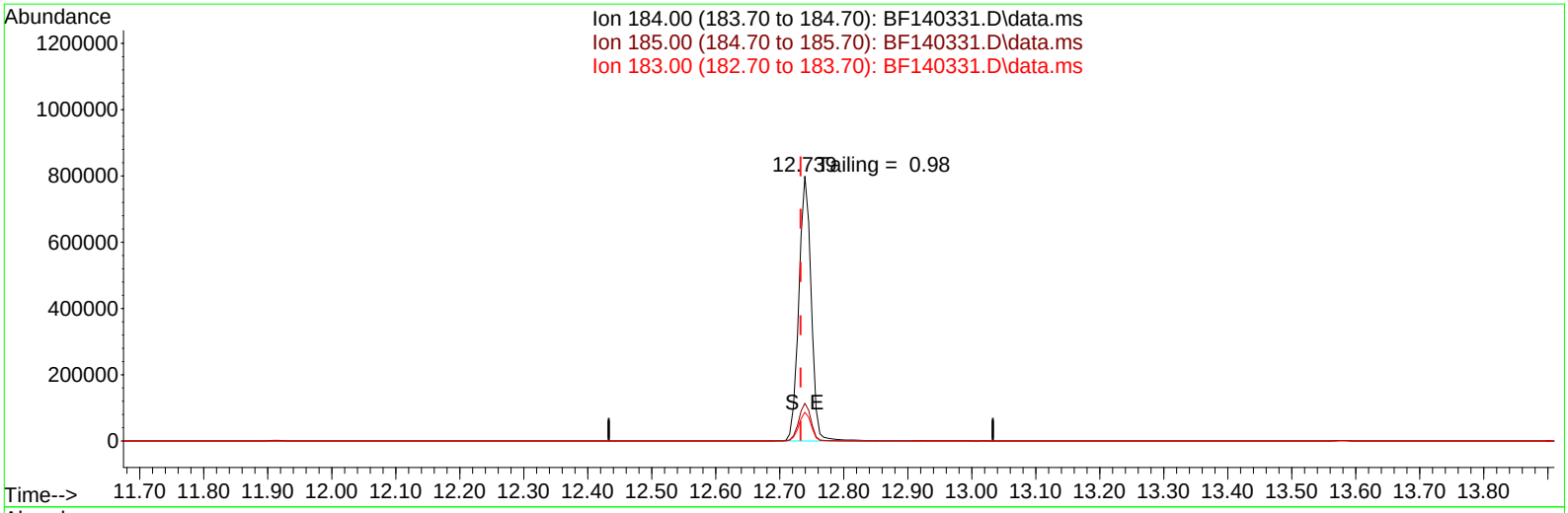
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	66.10	67.05
264.00	62.90	63.20
0.00	0.00	0.00

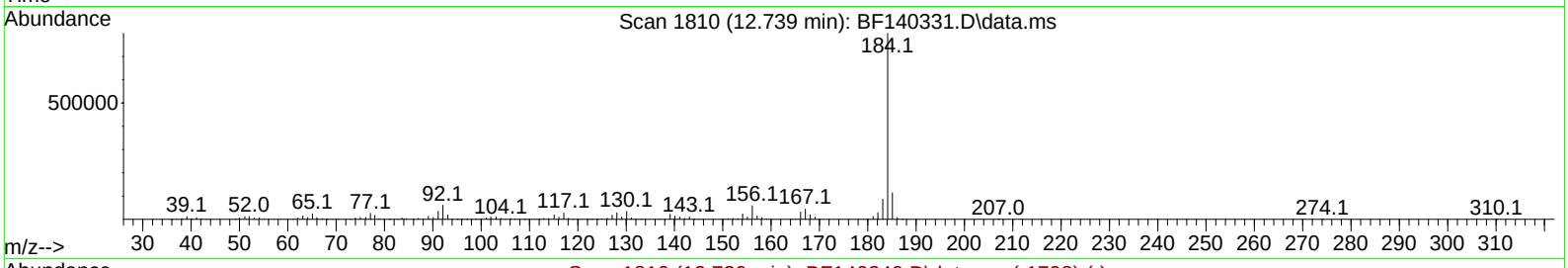
Sample Results: **BF140331.D**

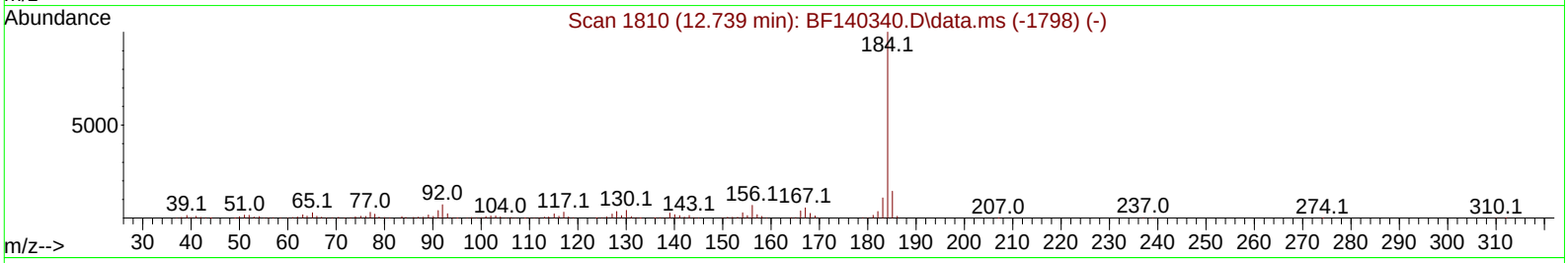
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
Data File : BF140331.D
Acq On : 13 Nov 2024 08:35
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Nov 13 14:44:41 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration







TIC: BF140331.D\data.ms

(77) Benzidine

12.739min (+ 0.006) 47514.94 ng

response 1075955

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.90	14.29
183.00	10.80	10.88
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
11/13/2024	BNA_F	BF140331.D
Compound Name	**Response**	**Retention Time**
DDT	544964	13.58
DDD	17817	13.269
DDE	776	12.927
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
18593	563557	3.30

Instrument :
BNA_F
ClientSampleId :
DFTPP

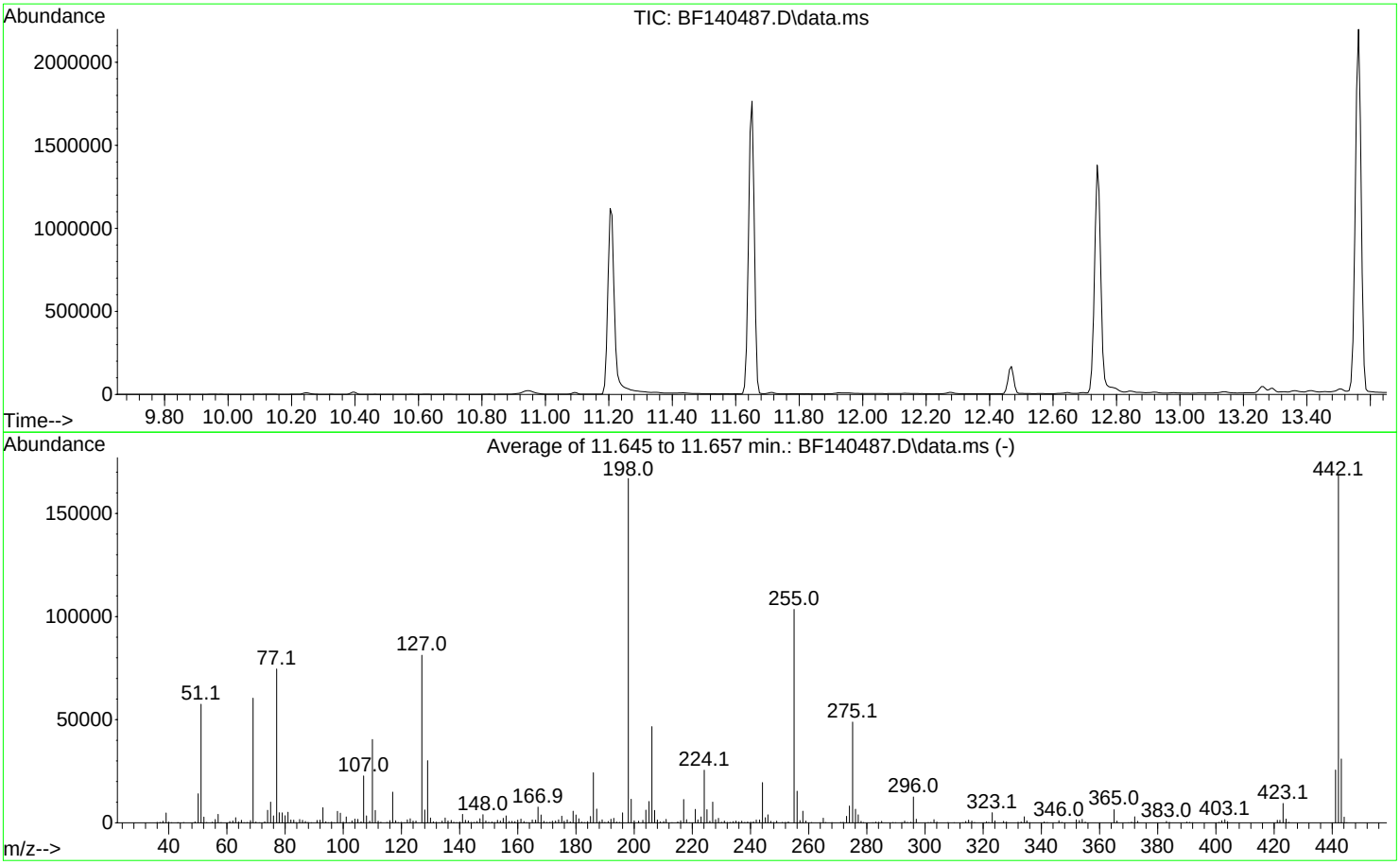
Sample Results: **BF140487.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140487.D
Acq On : 20 Nov 2024 09:04
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-BF111324.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Nov 13 14:40:06 2024



AutoFind: Scans 1624, 1625, 1626; Background Corrected with Scan 1617

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	34.4	57483	PASS
68	69	0.00	2	1.9	1125	PASS
69	198	0.00	100	36.2	60485	PASS
70	69	0.00	2	0.6	336	PASS
127	198	10	80	48.7	81299	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	166936	PASS
199	198	5	9	6.8	11421	PASS
275	198	10	60	29.3	48829	PASS
365	198	1	100	3.8	6418	PASS
441	198	0.01	100	15.3	25587	PASS
442	442	50	100	100.0	168640	PASS
443	442	15	24	18.3	30941	PASS

DDT Breakdown

Date	Instrument Name	DFTPP Data File
11/20/2024	BNA_F	BF140487.D
Compound Name	**Response**	**Retention Time**
DDT	548781	13.563
DDD	16051	13.263
DDE	1359	12.922
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
17410	566191	3.07

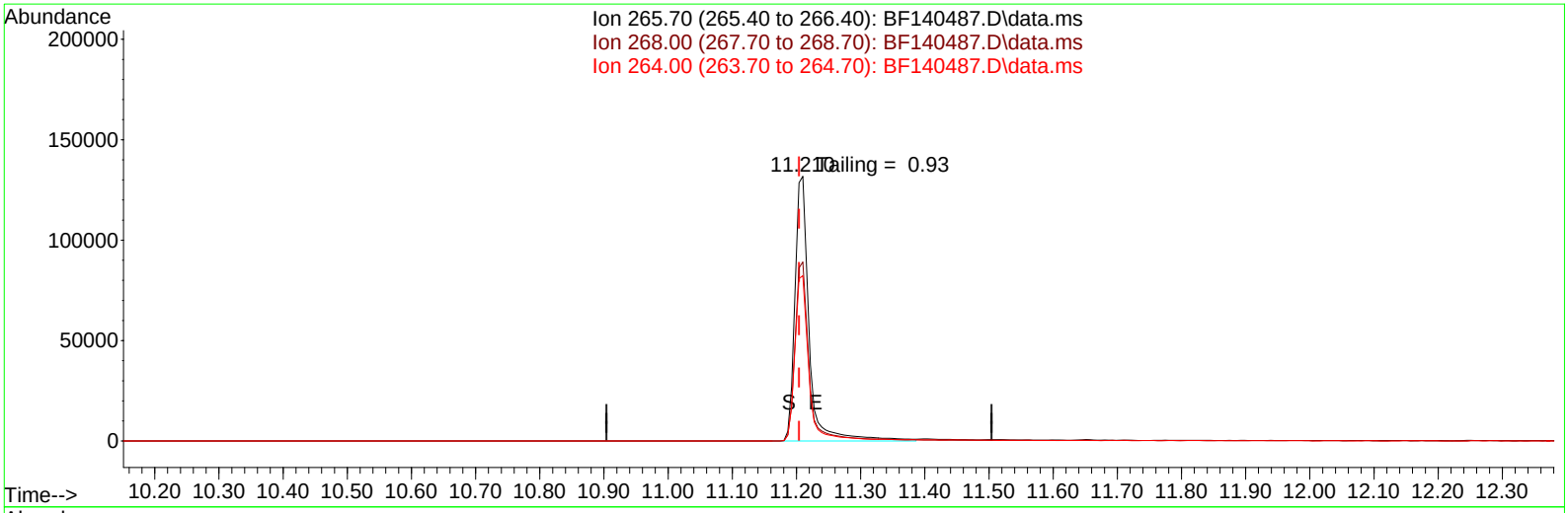
Instrument :
BNA_F
ClientSampleId :
DFTPP

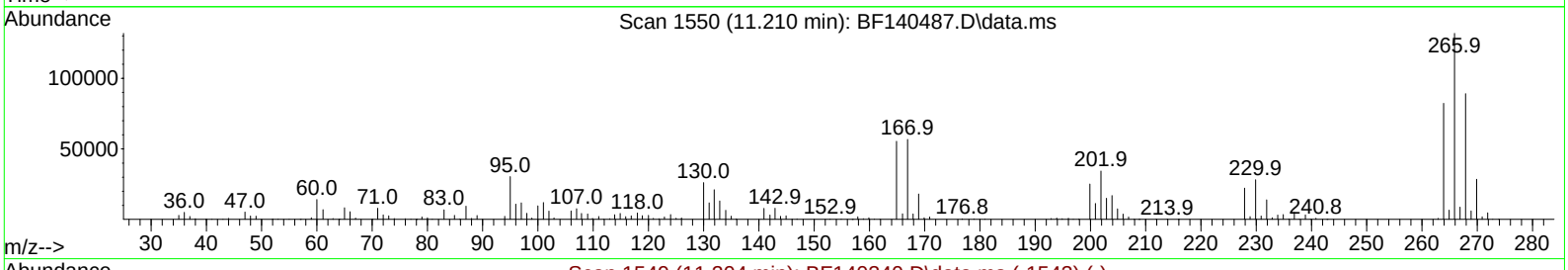
Sample Results: **BF140487.D**

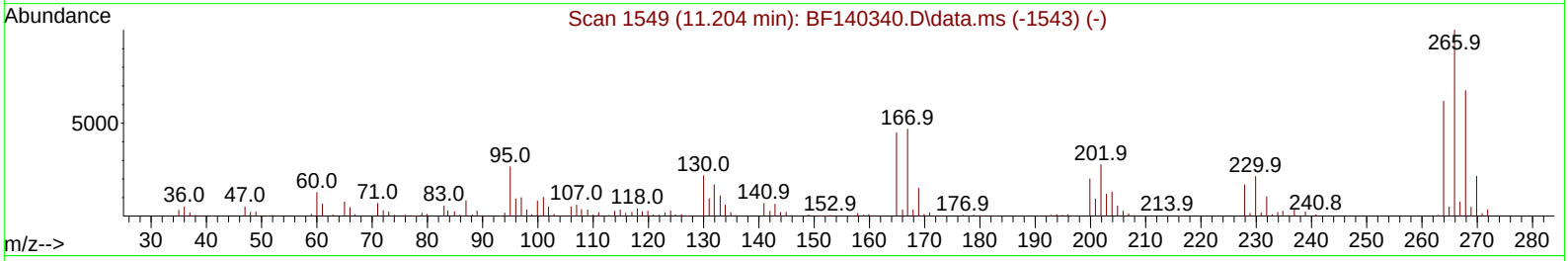
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140487.D
Acq On : 20 Nov 2024 09:04
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Nov 20 09:52:46 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration







TIC: BF140487.D\data.ms

(70) Pentachlorophenol (C)

11.210min (+ 0.006) 71931.11 ng

response 204385

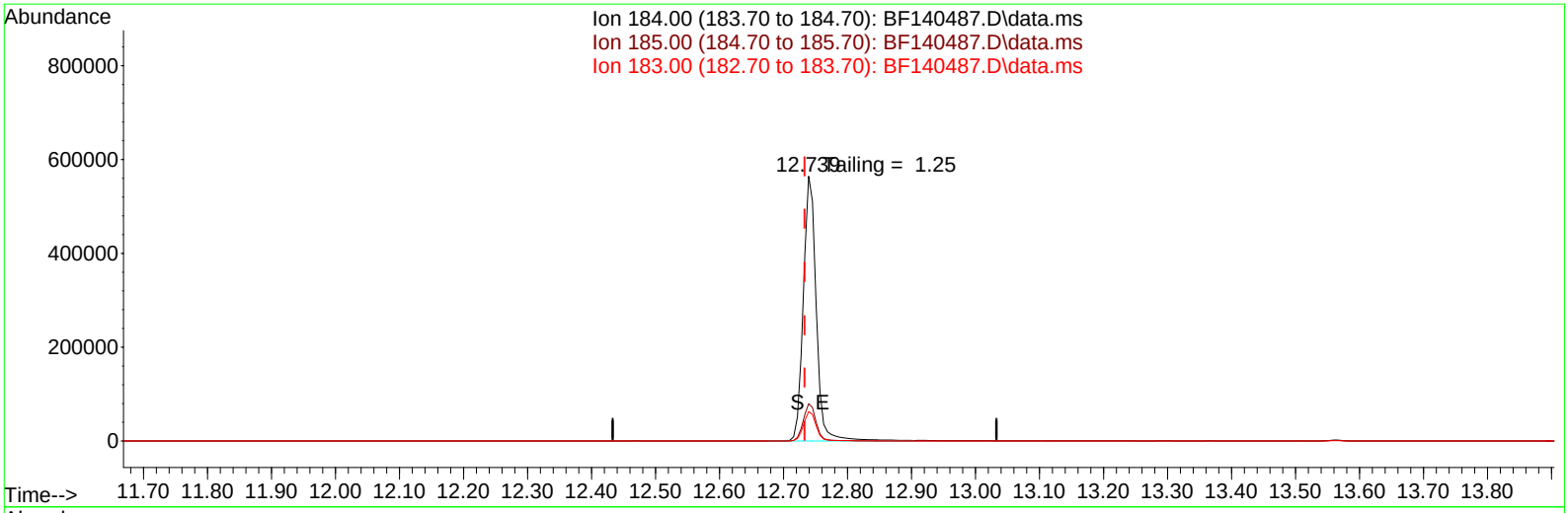
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	66.10	67.61
264.00	62.90	62.46
0.00	0.00	0.00

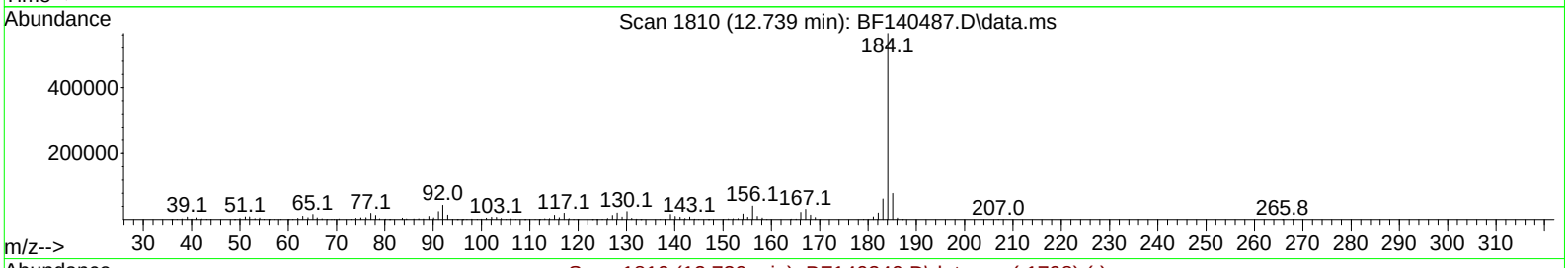
Sample Results: **BF140487.D**

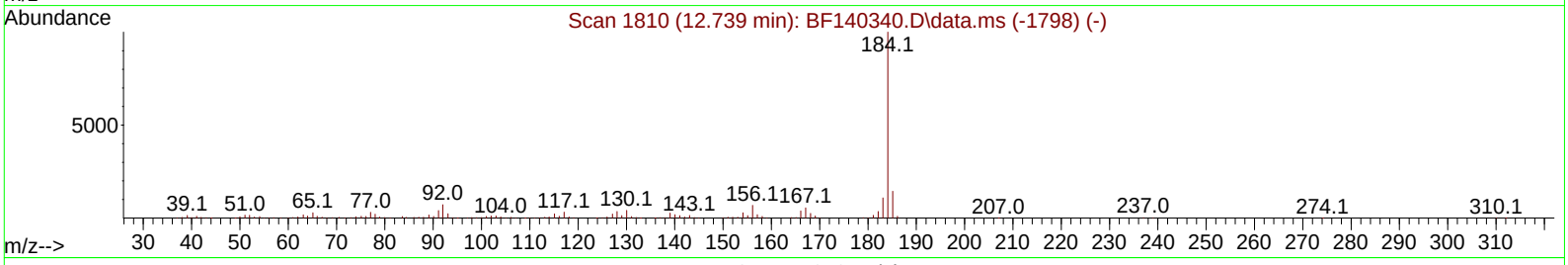
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140487.D
Acq On : 20 Nov 2024 09:04
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Nov 20 09:52:46 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration







TIC: BF140487.D\data.ms

(77) Benzidine

12.739min (+ 0.006) 26914.53 ng

response 799539

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.90	14.11
183.00	10.80	11.08
0.00	0.00	0.00

Raw Data: **BF140489.D**

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

Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	
Client Sample ID:	PB165039BL	SDG No.:	P4843
Lab Sample ID:	PB165039BL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group4
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140489.D	1	11/16/24 08:15	11/20/24 09:57	PB165039

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
108-95-2	Phenol	0.93	U	0.93	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.84	U	0.84	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.10	U	1.10	5.00	ug/L
91-20-3	Naphthalene	1.00	U	1.00	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	125		15 (10) - 110 (139)	83%	SPK: 150
13127-88-3	Phenol-d6	120		15 (10) - 110 (134)	80%	SPK: 150
4165-60-0	Nitrobenzene-d5	86.8		30 (49) - 130 (133)	87%	SPK: 100
321-60-8	2-Fluorobiphenyl	90.2		30 (52) - 130 (132)	90%	SPK: 100
118-79-6	2,4,6-Tribromophenol	128		15 (44) - 110 (137)	85%	SPK: 150
1718-51-0	Terphenyl-d14	87.1		30 (48) - 130 (125)	87%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	126000	6.875			
1146-65-2	Naphthalene-d8	478000	8.151			
15067-26-2	Acenaphthene-d10	268000	9.91			
1517-22-2	Phenanthrene-d10	515000	11.398			
1719-03-5	Chrysene-d12	344000	14.063			
1520-96-3	Perylene-d12	287000	15.58			

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\BF112024\
Data File : BF140489.D
Acq On : 20 Nov 2024 09:57
Operator : RC/JU
Sample : PB165039BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB165039BL

Quant Time: Nov 20 10:35:59 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration

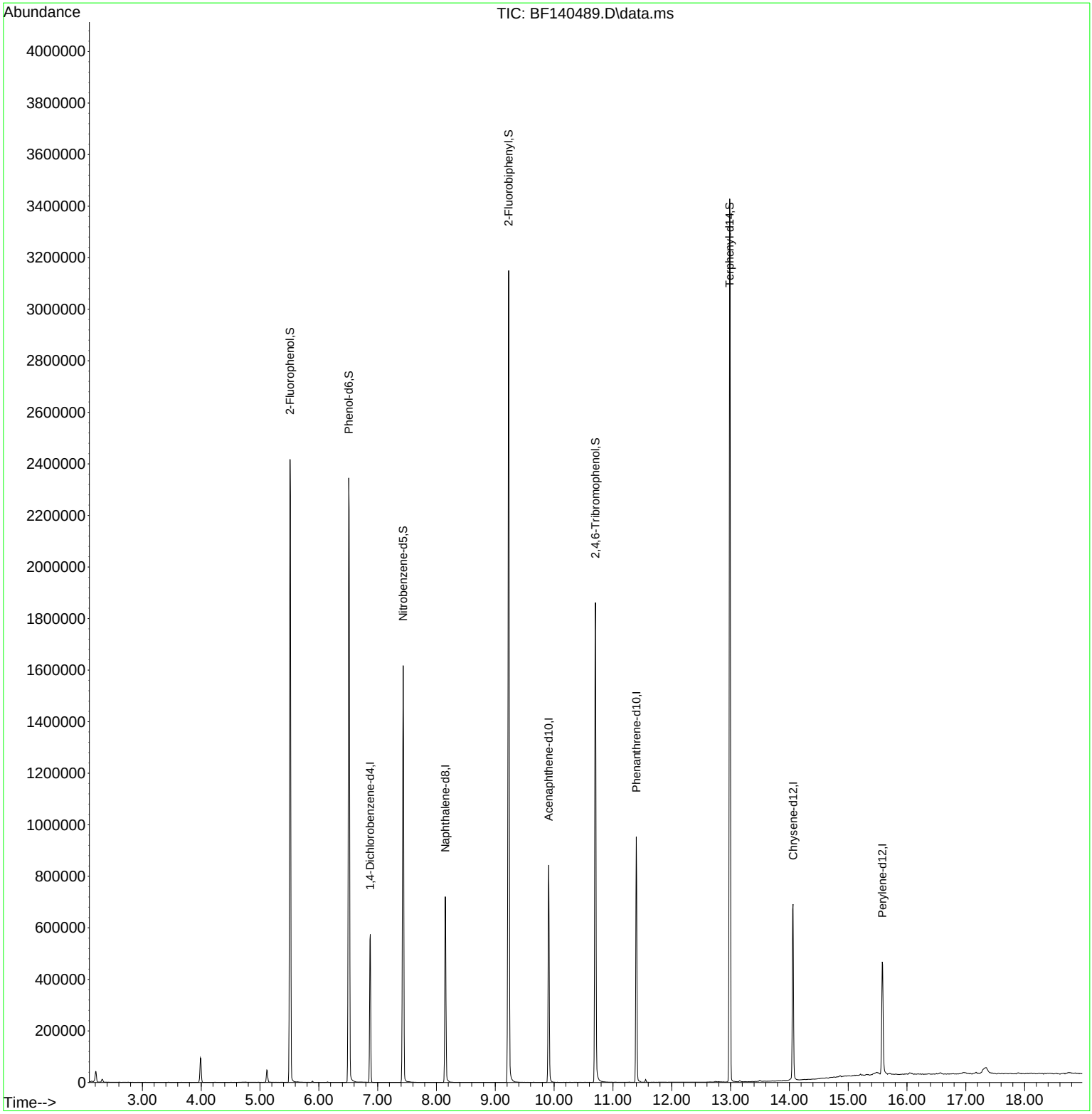
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	125559	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	478277	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	268353	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	515282	20.000	ng	0.00
76) Chrysene-d12	14.063	240	344131	20.000	ng	0.01
86) Perylene-d12	15.580	264	286700	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	920453	125.166	ng	0.02
7) Phenol-d6	6.510	99	1197514	120.192	ng	0.00
23) Nitrobenzene-d5	7.434	82	796733	86.795	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	341455	127.955	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	1506509	90.246	ng	0.00
79) Terphenyl-d14	12.986	244	1726980	87.109	ng	0.00
Target Compounds						Qvalue

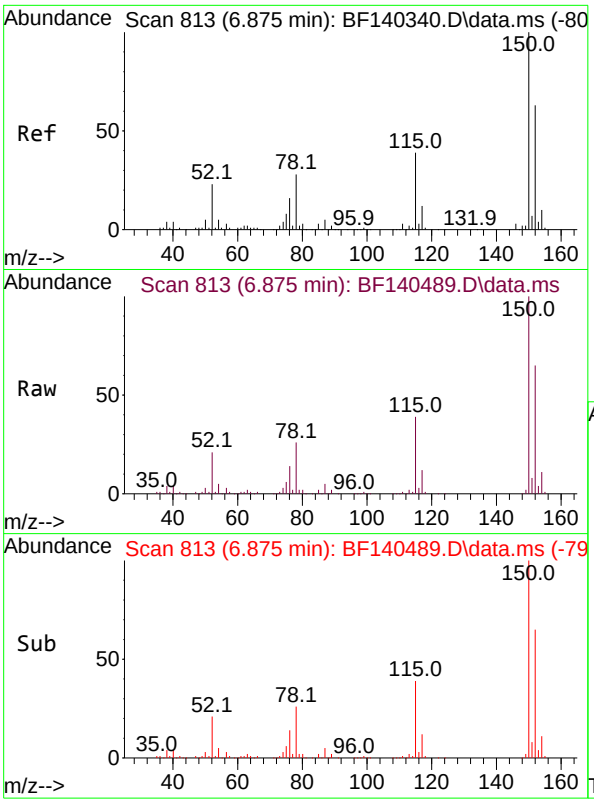
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140489.D
Acq On : 20 Nov 2024 09:57
Operator : RC/JU
Sample : PB165039BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB165039BL

Quant Time: Nov 20 10:35:59 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration



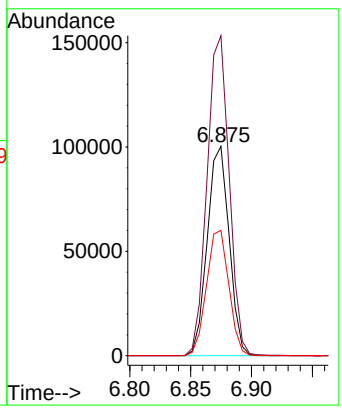


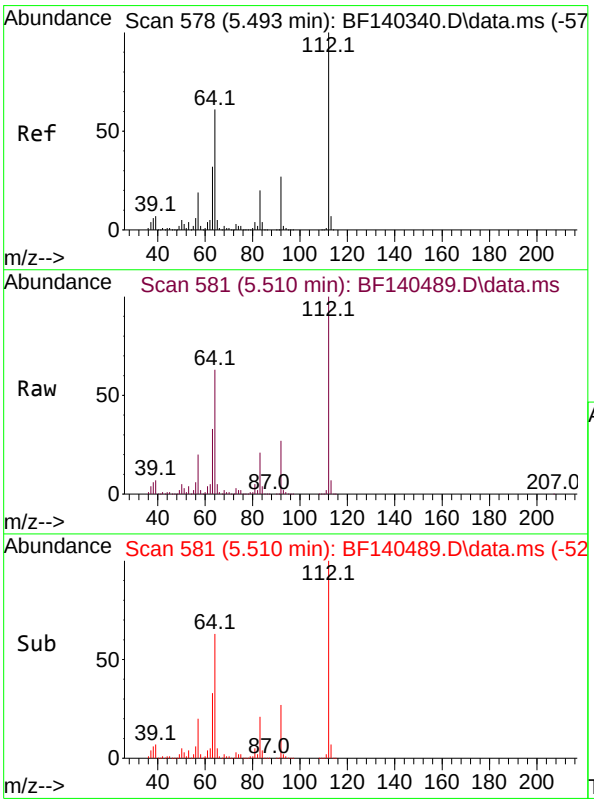
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF140489.D
Acq: 20 Nov 2024 09:57

Instrument :
BNA_F
ClientSampleId :
PB165039BL

Tgt Ion:152 Resp: 125559

Ion	Ratio	Lower	Upper
152	100		
150	152.9	127.4	191.0
115	59.9	47.4	71.2

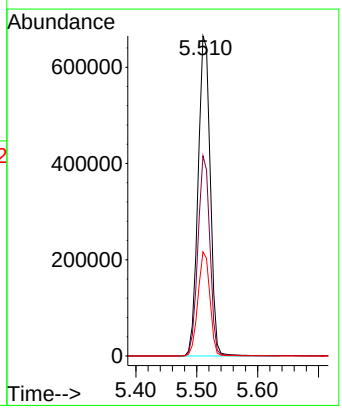


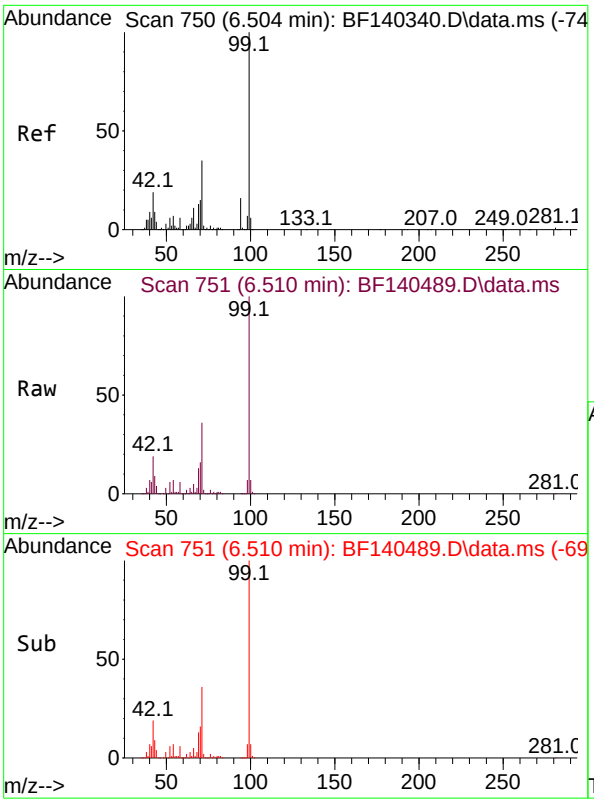


#5
2-Fluorophenol
Concen: 125.166 ng
RT: 5.510 min Scan# 581
Delta R.T. 0.018 min
Lab File: BF140489.D
Acq: 20 Nov 2024 09:57

Tgt Ion:112 Resp: 920453

Ion	Ratio	Lower	Upper
112	100		
64	62.5	49.2	73.8
63	32.5	25.6	38.4



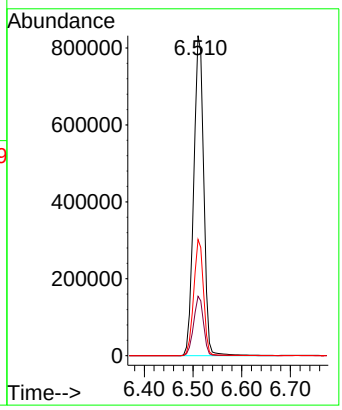


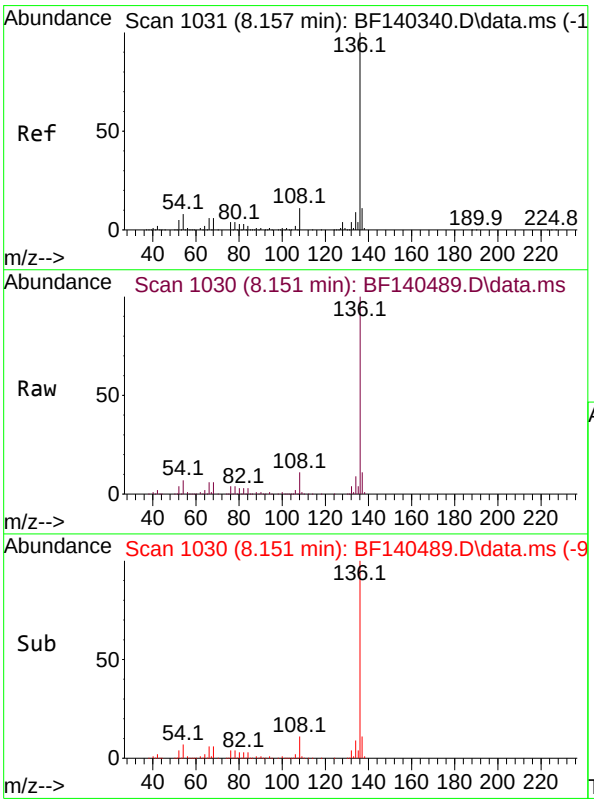
#7
Phenol-d6
Concen: 120.192 ng
RT: 6.510 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF140489.D
Acq: 20 Nov 2024 09:57

Instrument :
BNA_F
ClientSampleId :
PB165039BL

Tgt Ion: 99 Resp: 1197514

Ion	Ratio	Lower	Upper
99	100		
42	18.6	15.1	22.7
71	36.3	27.9	41.9

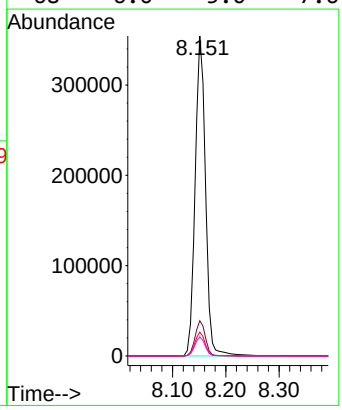


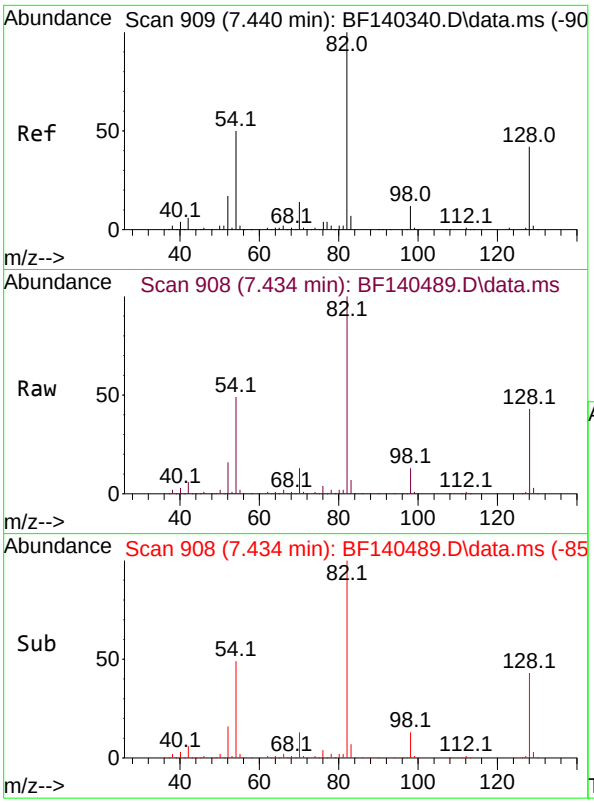


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140489.D
Acq: 20 Nov 2024 09:57

Tgt Ion:136 Resp: 478277

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	7.5	6.5	9.7
68	6.0	5.0	7.6



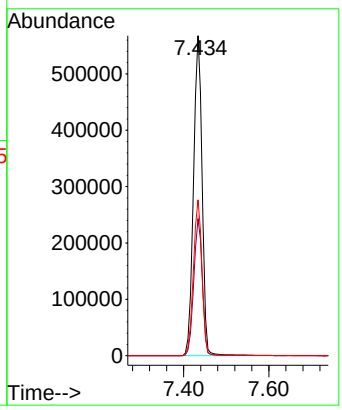


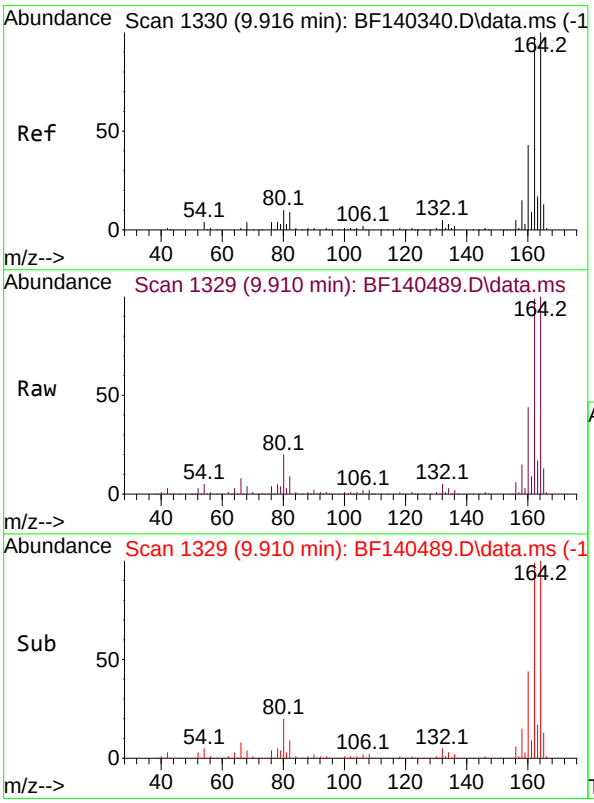
#23
Nitrobenzene-d5
Concen: 86.795 ng
RT: 7.434 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF140489.D
Acq: 20 Nov 2024 09:57

Instrument :
BNA_F
ClientSampleId :
PB165039BL

Tgt Ion: 82 Resp: 796733

Ion	Ratio	Lower	Upper
82	100		
128	42.8	33.3	49.9
54	48.7	39.8	59.8

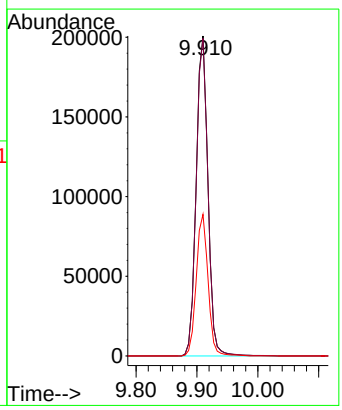


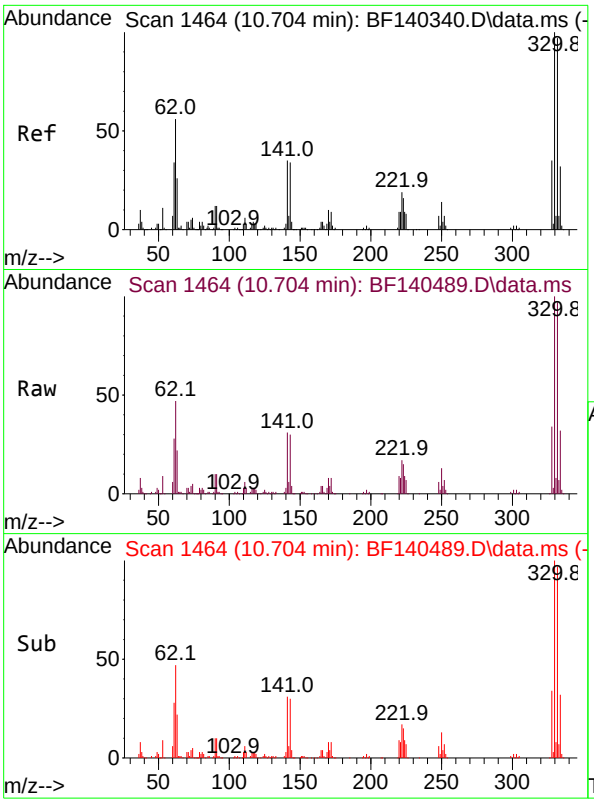


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF140489.D
Acq: 20 Nov 2024 09:57

Tgt Ion:164 Resp: 268353

Ion	Ratio	Lower	Upper
164	100		
162	99.3	79.8	119.8
160	44.2	35.4	53.0



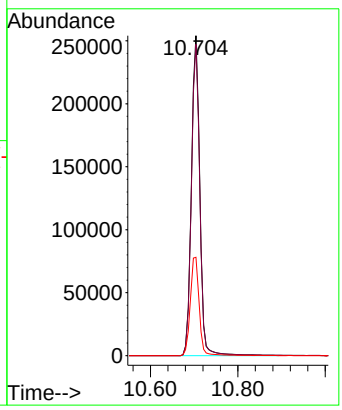


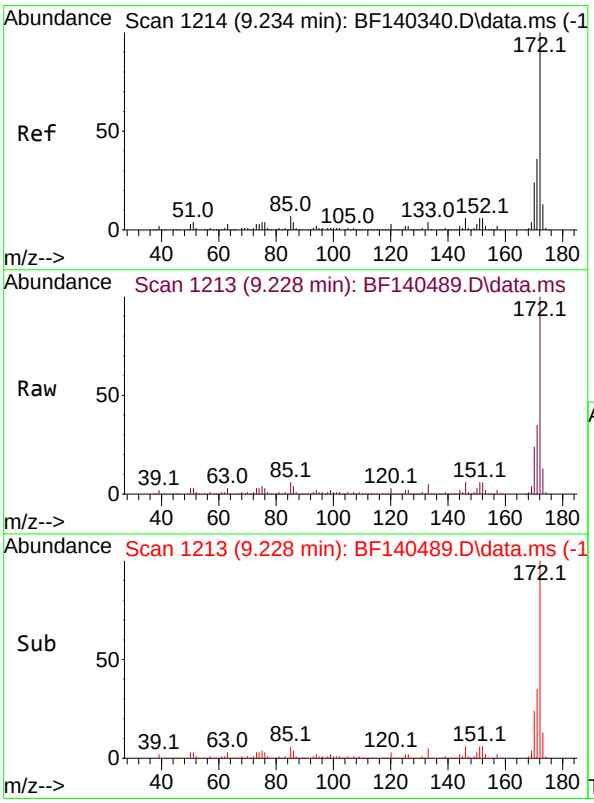
#42
2,4,6-Tribromophenol
Concen: 127.955 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF140489.D
Acq: 20 Nov 2024 09:57

Instrument :
BNA_F
ClientSampleId :
PB165039BL

Tgt Ion:330 Resp: 341455

Ion	Ratio	Lower	Upper
330	100		
332	97.2	75.9	113.9
141	32.5	26.9	40.3

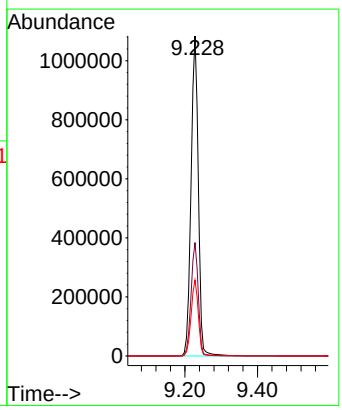


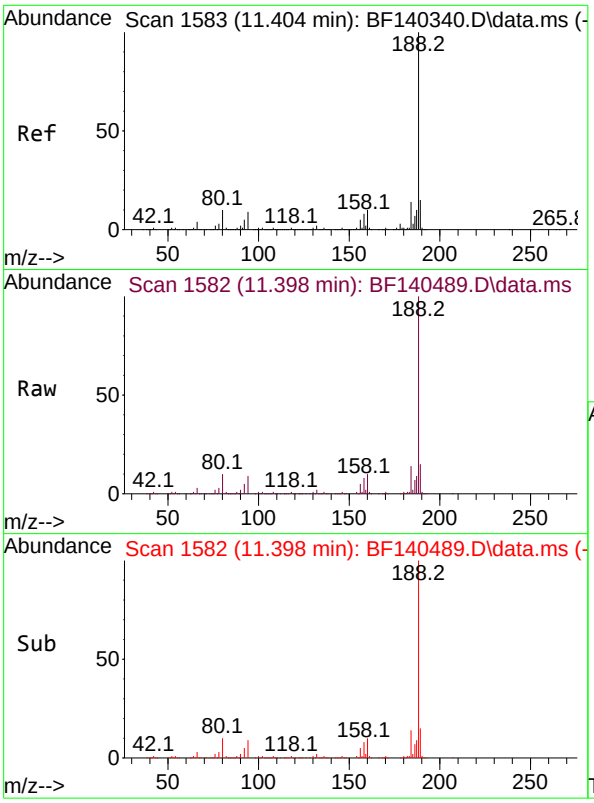


#45
2-Fluorobiphenyl
Concen: 90.246 ng
RT: 9.228 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF140489.D
Acq: 20 Nov 2024 09:57

Tgt Ion:172 Resp: 1506509

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.5	42.7
170	23.7	19.1	28.7



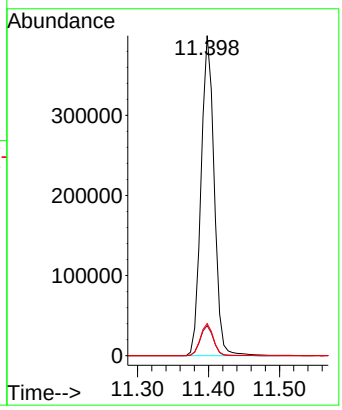


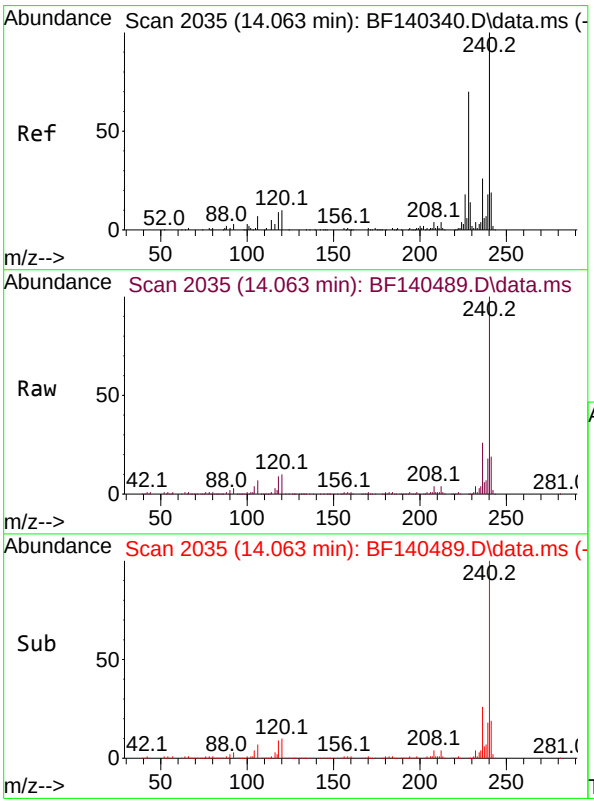
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140489.D
Acq: 20 Nov 2024 09:57

Instrument :
BNA_F
ClientSampleId :
PB165039BL

Tgt Ion:188 Resp: 515282

Ion	Ratio	Lower	Upper
188	100		
94	9.4	7.6	11.4
80	10.0	8.0	12.0

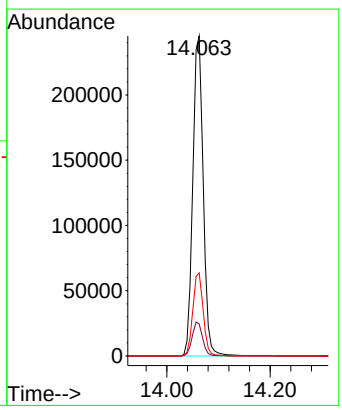


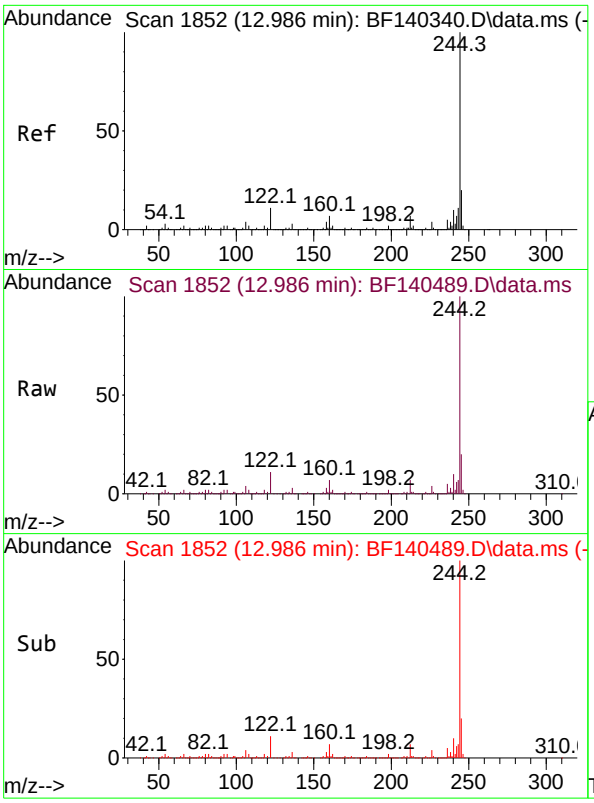


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2035
Delta R.T. 0.012 min
Lab File: BF140489.D
Acq: 20 Nov 2024 09:57

Tgt Ion:240 Resp: 344131

Ion	Ratio	Lower	Upper
240	100		
120	10.0	8.8	13.2
236	25.9	20.9	31.3



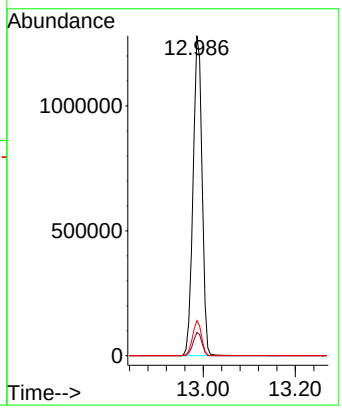


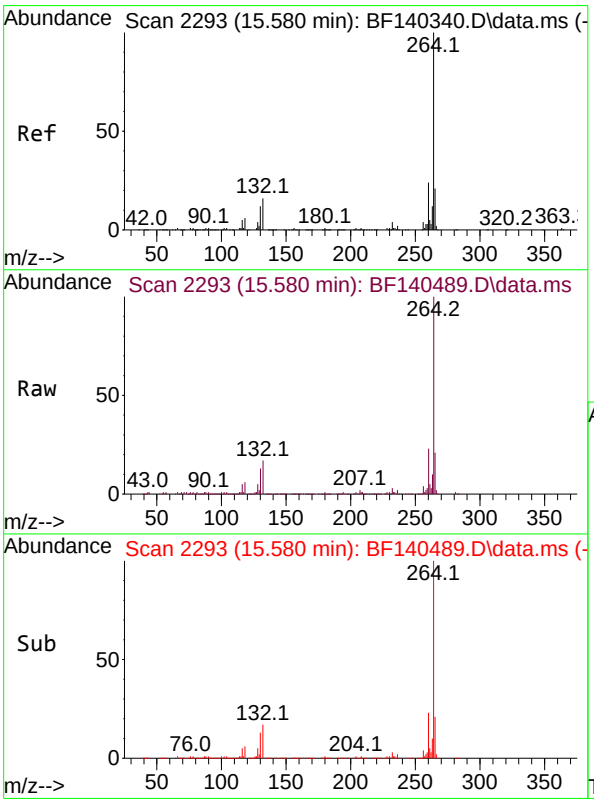
#79
Terphenyl-d14
Concen: 87.109 ng
RT: 12.986 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140489.D
Acq: 20 Nov 2024 09:57

Instrument :
BNA_F
ClientSampleId :
PB165039BL

Tgt Ion:244 Resp: 1726980

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.8	8.8
122	11.0	8.8	13.2

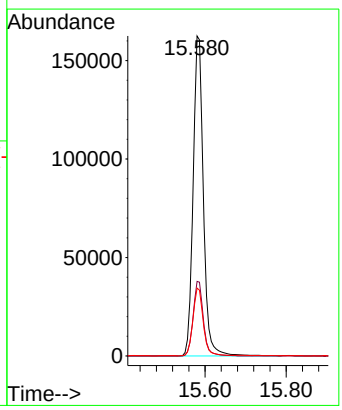




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.580 min Scan# 2293
Delta R.T. 0.023 min
Lab File: BF140489.D
Acq: 20 Nov 2024 09:57

Tgt Ion:264 Resp: 286700

Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.2	17.1	25.7



Raw Data: **BF140490.D**

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

Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	
Client Sample ID:	PB165039BS	SDG No.:	P4843
Lab Sample ID:	PB165039BS	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group4
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140490.D	1	11/16/24 08:15	11/20/24 10:23	PB165039

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
108-95-2	Phenol	43.2		0.93	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	42.4		0.84	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	41.5		1.10	5.00	ug/L
91-20-3	Naphthalene	42.9		1.00	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	121		15 (10) - 110 (139)	81%	SPK: 150
13127-88-3	Phenol-d6	117		15 (10) - 110 (134)	78%	SPK: 150
4165-60-0	Nitrobenzene-d5	83.1		30 (49) - 130 (133)	83%	SPK: 100
321-60-8	2-Fluorobiphenyl	84.5		30 (52) - 130 (132)	84%	SPK: 100
118-79-6	2,4,6-Tribromophenol	130		15 (44) - 110 (137)	86%	SPK: 150
1718-51-0	Terphenyl-d14	94.8		30 (48) - 130 (125)	95%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	123000	6.875			
1146-65-2	Naphthalene-d8	469000	8.157			
15067-26-2	Acenaphthene-d10	267000	9.91			
1517-22-2	Phenanthrene-d10	499000	11.404			
1719-03-5	Chrysene-d12	288000	14.057			
1520-96-3	Perylene-d12	231000	15.569			

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: **BF140490.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140490.D
Acq On : 20 Nov 2024 10:23
Operator : RC/JU
Sample : PB165039BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 20 11:10:44 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB165039BS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel
11/22/2024
Supervised By :mohammad ahmed
11/22/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.875	152	123122	20.000	ng		0.00
21) Naphthalene-d8	8.157	136	469130	20.000	ng		0.00
39) Acenaphthene-d10	9.910	164	266786	20.000	ng		0.00
64) Phenanthrene-d10	11.404	188	499057	20.000	ng		0.00
76) Chrysene-d12	14.057	240	288313	20.000	ng		0.00
86) Perylene-d12	15.569	264	231323	20.000	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.516	112	873274	121.101	ng		0.02
7) Phenol-d6	6.516	99	1144626	117.158	ng		0.01
23) Nitrobenzene-d5	7.440	82	748263	83.104	ng		0.00
42) 2,4,6-Tribromophenol	10.710	330	344061	129.689	ng		0.00
45) 2-Fluorobiphenyl	9.228	172	1401959	84.477	ng		0.00
79) Terphenyl-d14	12.986	244	1573985	94.762	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.734	88	120086	37.364	ng		99
3) Pyridine	3.493	79	306476	38.788	ng		99
4) n-Nitrosodimethylamine	3.446	42	168551	42.208	ng		99
6) Aniline	6.540	93	334674	39.378	ng	#	59
8) 2-Chlorophenol	6.663	128	351794	45.415	ng		97
9) Benzaldehyde	6.428	77	225132	38.448	ng		97
10) Phenol	6.528	94	444934	43.184	ng		84
11) bis(2-Chloroethyl)ether	6.610	93	339985	43.550	ng		100
12) 1,3-Dichlorobenzene	6.816	146	358353	41.929	ng		99
13) 1,4-Dichlorobenzene	6.893	146	367350	42.389	ng		99
14) 1,2-Dichlorobenzene	7.046	146	353286	43.913	ng		98
15) Benzyl Alcohol	7.016	79	319937	45.452	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.146	45	445198	41.286	ng		72
17) 2-Methylphenol	7.134	107	277897	43.611	ng	#	93
18) Hexachloroethane	7.381	117	136773	42.691	ng		95
19) n-Nitroso-di-n-propyla...	7.287	70	248880	42.178	ng		99
20) 3+4-Methylphenols	7.287	107	348702	43.757	ng		96
22) Acetophenone	7.281	105	462395	42.379	ng		98
24) Nitrobenzene	7.457	77	385664	41.139	ng		99
25) Isophorone	7.693	82	691142	43.311	ng		100
26) 2-Nitrophenol	7.769	139	185887	44.684	ng		98
27) 2,4-Dimethylphenol	7.810	122	287663	54.012	ng		99
28) bis(2-Chloroethoxy)met...	7.898	93	423430	43.274	ng		100
29) 2,4-Dichlorophenol	8.016	162	294883	44.800	ng		98
30) 1,2,4-Trichlorobenzene	8.092	180	303866	41.465	ng		99
31) Naphthalene	8.175	128	1021057	42.905	ng		100
32) Benzoic acid	7.940	122	196648	41.961	ng		97
33) 4-Chloroaniline	8.228	127	187809	22.692	ng		98
34) Hexachlorobutadiene	8.293	225	198317	42.474	ng		99
35) Caprolactam	8.592	113	96402m	44.065	ng		
36) 4-Chloro-3-methylphenol	8.716	107	326768	44.797	ng		99
37) 2-Methylnaphthalene	8.869	142	670405	43.933	ng		100
38) 1-Methylnaphthalene	8.969	142	621859	41.615	ng		100
40) 1,2,4,5-Tetrachloroben...	9.034	216	316611	42.916	ng		99
41) Hexachlorocyclopentadiene	9.016	237	296374	156.464	ng		99
43) 2,4,6-Trichlorophenol	9.151	196	213600	44.118	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140490.D
Acq On : 20 Nov 2024 10:23
Operator : RC/JU
Sample : PB165039BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 20 11:10:44 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB165039BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/22/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	225620	42.623	ng	98
46) 1,1'-Biphenyl	9.334	154	831455	42.839	ng	99
47) 2-Chloronaphthalene	9.357	162	619595	41.908	ng	99
48) 2-Nitroaniline	9.457	65	213573	43.558	ng	99
49) Acenaphthylene	9.775	152	1032642	46.164	ng	100
50) Dimethylphthalate	9.634	163	767413	44.131	ng	100
51) 2,6-Dinitrotoluene	9.698	165	169885	42.853	ng	96
52) Acenaphthene	9.945	154	742616m	49.152	ng	
53) 3-Nitroaniline	9.869	138	119399	28.679	ng	98
54) 2,4-Dinitrophenol	9.981	184	182599	89.319	ng	99
55) Dibenzofuran	10.122	168	945064	44.186	ng	99
56) 4-Nitrophenol	10.045	139	247829	81.609	ng	98
57) 2,4-Dinitrotoluene	10.104	165	224954	43.116	ng	98
58) Fluorene	10.463	166	730865	43.256	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	189017	45.224	ng	99
60) Diethylphthalate	10.334	149	766473	43.105	ng	100
61) 4-Chlorophenyl-phenyle...	10.451	204	361576	43.346	ng	99
62) 4-Nitroaniline	10.486	138	178376	41.903	ng	100
63) Azobenzene	10.610	77	752699	42.842	ng	99
65) 4,6-Dinitro-2-methylph...	10.516	198	127111	47.340	ng	97
66) n-Nitrosodiphenylamine	10.575	169	647570	44.909	ng	100
67) 4-Bromophenyl-phenylether	10.945	248	219858	44.072	ng	98
68) Hexachlorobenzene	11.010	284	248327	44.242	ng	99
69) Atrazine	11.098	200	215817	49.470	ng	99
70) Pentachlorophenol	11.210	266	254817	84.279	ng	98
71) Phenanthrene	11.428	178	1042842	44.483	ng	100
72) Anthracene	11.481	178	1077211	46.884	ng	100
73) Carbazole	11.633	167	988923	43.591	ng	100
74) Di-n-butylphthalate	11.957	149	1206217	44.299	ng	100
75) Fluoranthene	12.616	202	1154082	43.879	ng	99
77) Benzidine	12.739	184	262307	23.705	ng	99
78) Pyrene	12.845	202	1156753	46.905	ng	99
80) Butylbenzylphthalate	13.457	149	457787	48.322	ng	99
81) Benzo(a)anthracene	14.045	228	887946	46.861	ng	100
82) 3,3'-Dichlorobenzidine	14.004	252	173127	28.745	ng	99
83) Chrysene	14.086	228	759099	43.906	ng	100
84) Bis(2-ethylhexyl)phtha...	14.027	149	593875	46.964	ng	99
85) Di-n-octyl phthalate	14.663	149	793712	44.567	ng	99
87) Indeno(1,2,3-cd)pyrene	17.086	276	721322	50.479	ng	100
88) Benzo(b)fluoranthene	15.127	252	644433	42.587	ng	100
89) Benzo(k)fluoranthene	15.163	252	571544	46.235	ng	100
90) Benzo(a)pyrene	15.504	252	573657	48.818	ng	99
91) Dibenzo(a,h)anthracene	17.098	278	591563	50.083	ng	100
92) Benzo(g,h,i)perylene	17.539	276	560505	46.417	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140490.D
Acq On : 20 Nov 2024 10:23
Operator : RC/JU
Sample : PB165039BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

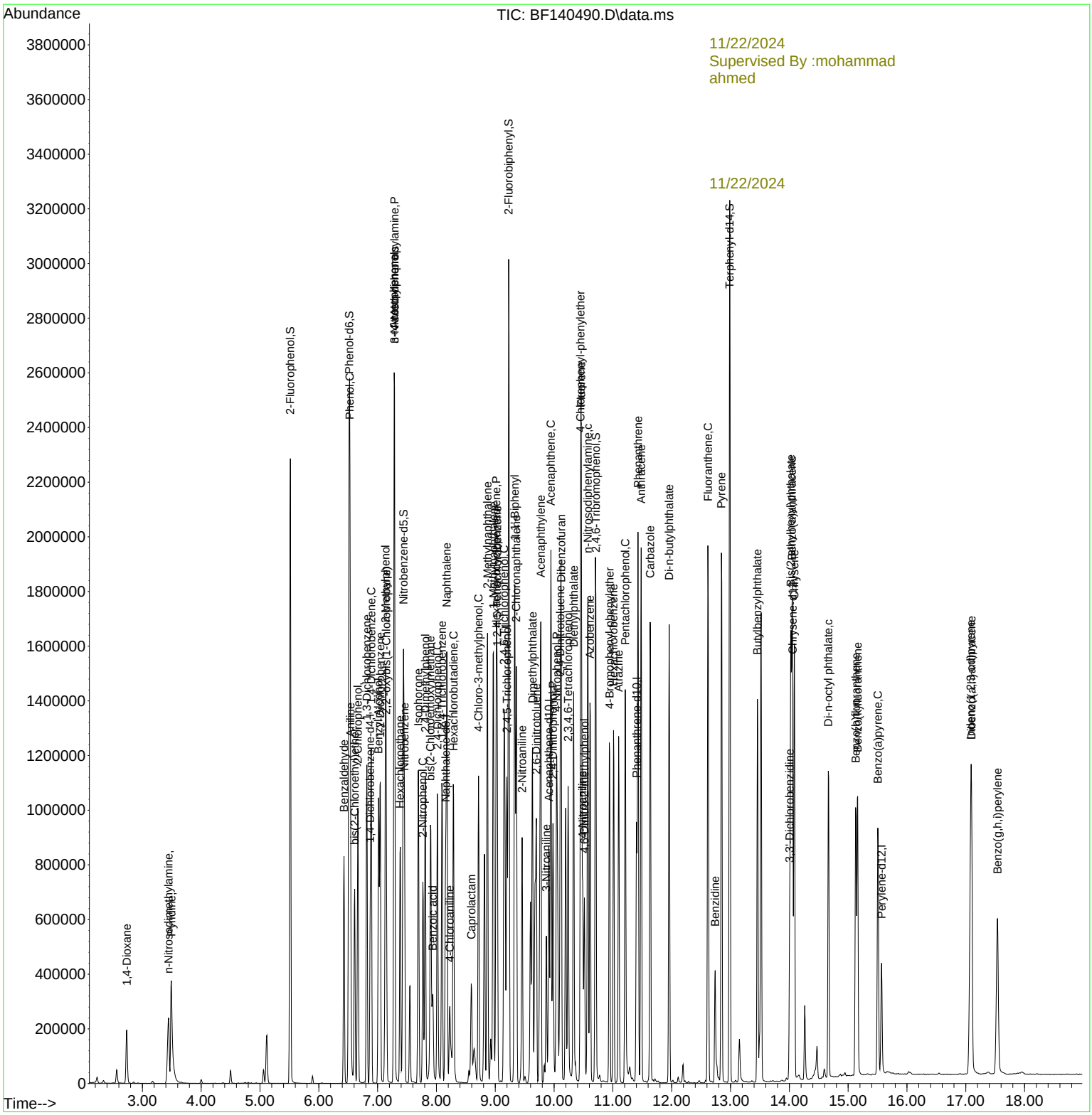
Quant Time: Nov 20 11:10:44 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB165039BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel

11/22/2024
Supervised By :mohammad ahmed



Raw Data: **BF140491.D**

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

Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	
Client Sample ID:	PB165039BSD	SDG No.:	P4843
Lab Sample ID:	PB165039BSD	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group4
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140491.D	1	11/16/24 08:15	11/20/24 10:49	PB165039

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
108-95-2	Phenol	42.4		0.93	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	41.8		0.84	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	41.3		1.10	5.00	ug/L
91-20-3	Naphthalene	43.0		1.00	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	121		15 (10) - 110 (139)	81%	SPK: 150
13127-88-3	Phenol-d6	117		15 (10) - 110 (134)	78%	SPK: 150
4165-60-0	Nitrobenzene-d5	82.7		30 (49) - 130 (133)	83%	SPK: 100
321-60-8	2-Fluorobiphenyl	85.6		30 (52) - 130 (132)	86%	SPK: 100
118-79-6	2,4,6-Tribromophenol	131		15 (44) - 110 (137)	87%	SPK: 150
1718-51-0	Terphenyl-d14	93.3		30 (48) - 130 (125)	93%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	122000	6.875			
1146-65-2	Naphthalene-d8	462000	8.151			
15067-26-2	Acenaphthene-d10	259000	9.91			
1517-22-2	Phenanthrene-d10	492000	11.404			
1719-03-5	Chrysene-d12	293000	14.057			
1520-96-3	Perylene-d12	238000	15.568			

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\BF112024\
Data File : BF140491.D
Acq On : 20 Nov 2024 10:49
Operator : RC/JU
Sample : PB165039BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB165039BSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

Quant Time: Nov 20 11:26:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.875	152	121736	20.000	ng		0.00
21) Naphthalene-d8	8.151	136	462447	20.000	ng		0.00
39) Acenaphthene-d10	9.910	164	259407	20.000	ng		0.00
64) Phenanthrene-d10	11.404	188	492347	20.000	ng		0.00
76) Chrysene-d12	14.057	240	292939	20.000	ng		0.00
86) Perylene-d12	15.568	264	237975	20.000	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.516	112	861930	120.888	ng		0.02
7) Phenol-d6	6.516	99	1125959	116.559	ng		0.01
23) Nitrobenzene-d5	7.434	82	734239	82.725	ng		0.00
42) 2,4,6-Tribromophenol	10.710	330	337968	131.016	ng		0.00
45) 2-Fluorobiphenyl	9.228	172	1381434	85.608	ng		0.00
79) Terphenyl-d14	12.986	244	1574473	93.294	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.734	88	120012	37.766	ng		97
3) Pyridine	3.493	79	306008	39.170	ng		99
4) n-Nitrosodimethylamine	3.446	42	163019	41.287	ng		98
6) Aniline	6.540	93	314213	37.392	ng	#	63
8) 2-Chlorophenol	6.663	128	344192	44.940	ng		98
9) Benzaldehyde	6.428	77	221462	38.252	ng		98
10) Phenol	6.528	94	431969	42.403	ng		83
11) bis(2-Chloroethyl)ether	6.610	93	340281	44.084	ng		99
12) 1,3-Dichlorobenzene	6.816	146	354222	41.917	ng		100
13) 1,4-Dichlorobenzene	6.893	146	358495	41.838	ng		99
14) 1,2-Dichlorobenzene	7.046	146	345395	43.421	ng		99
15) Benzyl Alcohol	7.016	79	313056	44.981	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.146	45	439921	41.261	ng		75
17) 2-Methylphenol	7.134	107	272538	43.257	ng	#	93
18) Hexachloroethane	7.381	117	133272	42.072	ng		97
19) n-Nitroso-di-n-propyla...	7.281	70	244474	41.903	ng		99
20) 3+4-Methylphenols	7.287	107	345679	43.871	ng		98
22) Acetophenone	7.281	105	459909	42.760	ng		99
24) Nitrobenzene	7.457	77	381425	41.275	ng		99
25) Isophorone	7.693	82	680917	43.287	ng		100
26) 2-Nitrophenol	7.769	139	183934	44.853	ng		98
27) 2,4-Dimethylphenol	7.810	122	278924m	53.128	ng		
28) bis(2-Chloroethoxy)met...	7.898	93	411343	42.646	ng		99
29) 2,4-Dichlorophenol	8.016	162	290874	44.830	ng		99
30) 1,2,4-Trichlorobenzene	8.092	180	298628	41.340	ng		99
31) Naphthalene	8.175	128	1008837	43.004	ng		100
32) Benzoic acid	7.940	122	196256	42.482	ng		98
33) 4-Chloroaniline	8.228	127	164503	20.164	ng		99
34) Hexachlorobutadiene	8.287	225	192600	41.846	ng		100
35) Caprolactam	8.592	113	93116m	43.178	ng		
36) 4-Chloro-3-methylphenol	8.716	107	327203	45.505	ng		99
37) 2-Methylnaphthalene	8.869	142	655213	43.558	ng		100
38) 1-Methylnaphthalene	8.969	142	608630	41.319	ng		100
40) 1,2,4,5-Tetrachloroben...	9.034	216	311076	43.365	ng		99
41) Hexachlorocyclopentadiene	9.016	237	295724	160.562	ng		99
43) 2,4,6-Trichlorophenol	9.151	196	209705	44.545	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140491.D
Acq On : 20 Nov 2024 10:49
Operator : RC/JU
Sample : PB165039BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 20 11:26:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB165039BSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	220709	42.881	ng	98
46) 1,1'-Biphenyl	9.334	154	817776	43.333	ng	99
47) 2-Chloronaphthalene	9.357	162	613068	42.646	ng	99
48) 2-Nitroaniline	9.457	65	212944	44.665	ng	99
49) Acenaphthylene	9.775	152	1016892	46.753	ng	100
50) Dimethylphthalate	9.634	163	761997	45.066	ng	100
51) 2,6-Dinitrotoluene	9.698	165	167442	43.438	ng	97
52) Acenaphthene	9.945	154	721171m	49.090	ng	
53) 3-Nitroaniline	9.869	138	113479	28.032	ng	100
54) 2,4-Dinitrophenol	9.981	184	179443	90.272	ng	99
55) Dibenzofuran	10.122	168	926220	44.537	ng	100
56) 4-Nitrophenol	10.045	139	246266	83.401	ng	99
57) 2,4-Dinitrotoluene	10.104	165	226880	44.722	ng	99
58) Fluorene	10.463	166	728499	44.342	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	191962	47.235	ng	100
60) Diethylphthalate	10.334	149	763965	44.186	ng	100
61) 4-Chlorophenyl-phenyle...	10.451	204	357046	44.021	ng	99
62) 4-Nitroaniline	10.486	138	178849	43.209	ng	97
63) Azobenzene	10.610	77	754707	44.178	ng	99
65) 4,6-Dinitro-2-methylph...	10.516	198	126971	47.933	ng	96
66) n-Nitrosodiphenylamine	10.575	169	649271	45.641	ng	99
67) 4-Bromophenyl-phenylether	10.945	248	219437	44.587	ng	97
68) Hexachlorobenzene	11.010	284	244889	44.224	ng	99
69) Atrazine	11.098	200	215183	49.997	ng	99
70) Pentachlorophenol	11.210	266	251973	84.474	ng	99
71) Phenanthrene	11.428	178	1040890	45.005	ng	100
72) Anthracene	11.481	178	1078980	47.601	ng	99
73) Carbazole	11.633	167	993041	44.369	ng	100
74) Di-n-butylphthalate	11.957	149	1192406	44.389	ng	100
75) Fluoranthene	12.616	202	1151225	44.367	ng	100
77) Benzidine	12.739	184	284086	25.267	ng	99
78) Pyrene	12.851	202	1166778	46.565	ng	100
80) Butylbenzylphthalate	13.457	149	460791	47.871	ng	98
81) Benzo(a)anthracene	14.045	228	862530	44.801	ng	99
82) 3,3'-Dichlorobenzidine	14.004	252	177745	29.046	ng	100
83) Chrysene	14.086	228	799412	45.508	ng	99
84) Bis(2-ethylhexyl)phtha...	14.022	149	606727	47.223	ng	100
85) Di-n-octyl phthalate	14.669	149	815449	45.064	ng	99
87) Indeno(1,2,3-cd)pyrene	17.086	276	721757	49.098	ng	99
88) Benzo(b)fluoranthene	15.127	252	662250	42.541	ng	100
89) Benzo(k)fluoranthene	15.163	252	590265	46.415	ng	100
90) Benzo(a)pyrene	15.504	252	588626	48.691	ng	99
91) Dibenzo(a,h)anthracene	17.098	278	592002	48.720	ng	100
92) Benzo(g,h,i)perylene	17.539	276	559109	45.008	ng	99

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

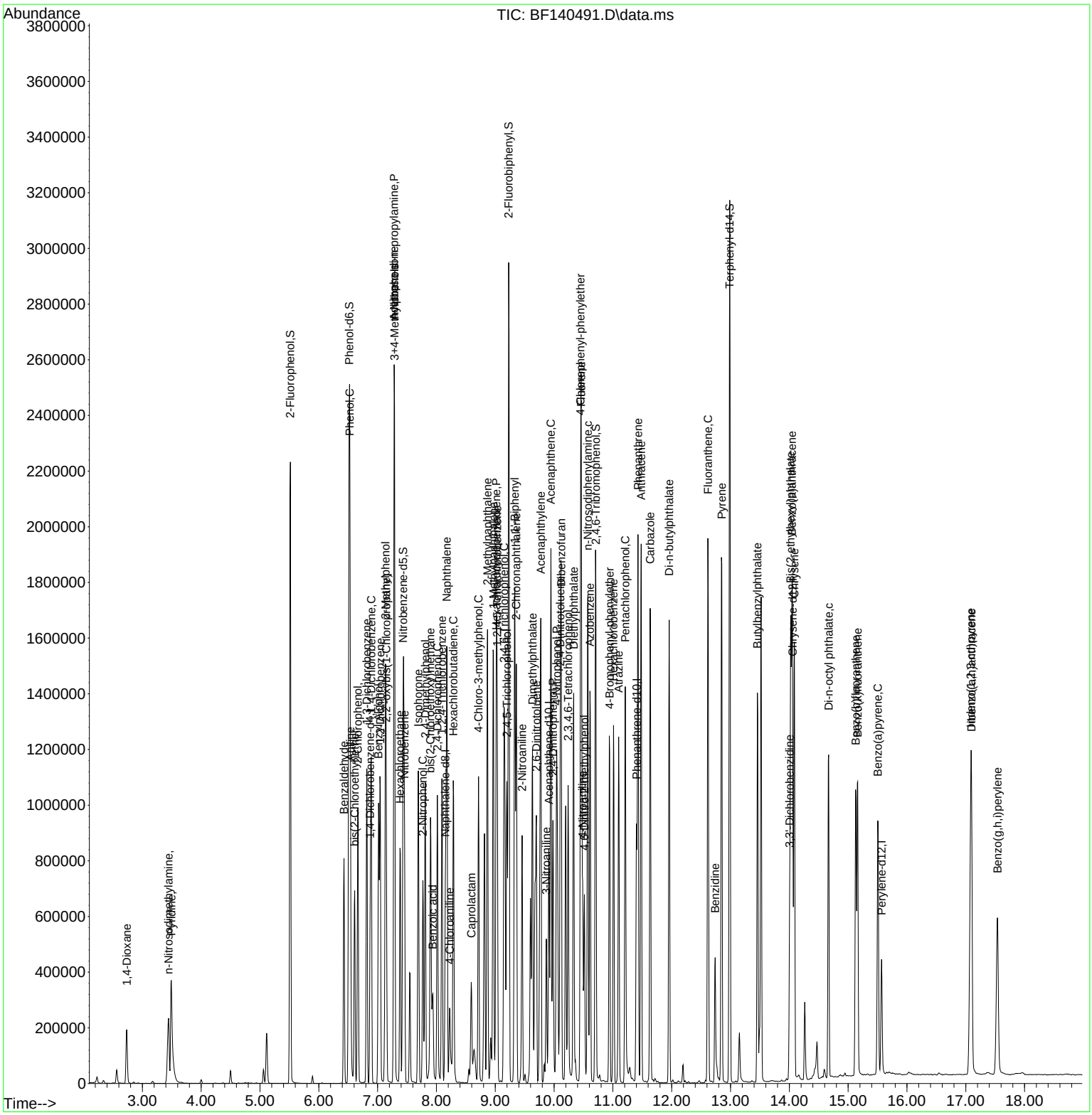
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140491.D
Acq On : 20 Nov 2024 10:49
Operator : RC/JU
Sample : PB165039BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 20 11:26:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB165039BSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024



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

Manual Integration Report

Sequence:	BF111324	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BF140333.D	Benzoic acid	yogesh	11/14/2024 3:08:33 AM	mohammad	11/15/2024 5:49:17 AM	Peak Integrated by Software
SSTDICC010	BF140334.D	2,3,4,6-Tetrachlorophenol	yogesh	11/14/2024 3:08:38 AM	mohammad	11/15/2024 5:49:17 AM	Peak Integrated by Software
SSTDICC010	BF140334.D	Benzoic acid	yogesh	11/14/2024 3:08:38 AM	mohammad	11/15/2024 5:49:17 AM	Peak Integrated by Software
SSTDICC080	BF140339.D	Caprolactam	yogesh	11/14/2024 3:08:41 AM	mohammad	11/15/2024 5:49:17 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BF112024	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF140488.D	2,4-Dimethylphenol	yogesh	11/22/2024 3:49:58 AM	mohammad	11/22/2024 4:00:42 AM	Peak Integrated by Software
SSTDCCC040	BF140488.D	Acenaphthene	yogesh	11/22/2024 3:49:58 AM	mohammad	11/22/2024 4:00:42 AM	Peak Integrated by Software
PB165039BS	BF140490.D	Acenaphthene	yogesh	11/22/2024 3:49:59 AM	mohammad	11/22/2024 4:00:42 AM	Peak Integrated by Software
PB165039BS	BF140490.D	Caprolactam	yogesh	11/22/2024 3:49:59 AM	mohammad	11/22/2024 4:00:42 AM	Peak Integrated by Software
PB165039BSD	BF140491.D	2,4-Dimethylphenol	yogesh	11/22/2024 3:50:01 AM	mohammad	11/22/2024 4:00:42 AM	Peak Integrated by Software
PB165039BSD	BF140491.D	Acenaphthene	yogesh	11/22/2024 3:50:01 AM	mohammad	11/22/2024 4:00:42 AM	Peak Integrated by Software
PB165039BSD	BF140491.D	Caprolactam	yogesh	11/22/2024 3:50:01 AM	mohammad	11/22/2024 4:00:42 AM	Peak Integrated by Software
P4843-01	BF140492.D	Benzoic acid	yogesh	11/22/2024 3:50:02 AM	mohammad	11/22/2024 4:00:42 AM	Peak Integrated by Software
SSTDCCC040	BF140499.D	2,4-Dimethylphenol	yogesh	11/22/2024 3:50:27 AM	mohammad	11/22/2024 4:00:42 AM	Peak Integrated by Software
SSTDCCC040	BF140501.D	2,4-Dimethylphenol	yogesh	11/22/2024 3:50:29 AM	mohammad	11/22/2024 4:00:42 AM	Peak Integrated by Software

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF111324

Review By	yogesh	Review On	11/14/2024 3:08:53 AM				
Supervise By	mohammad	Supervise On	11/15/2024 5:49:17 AM				
SubDirectory	BF111324	HP Acquire Method	BNA_F		HP Processing Method	Bf111324	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12327,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF140331.D	13 Nov 2024 08:35	RC/JU	Ok
2	SSTDICC2.5	BF140332.D	13 Nov 2024 09:01	RC/JU	Ok
3	SSTDICC005	BF140333.D	13 Nov 2024 09:27	RC/JU	Ok,M
4	SSTDICC010	BF140334.D	13 Nov 2024 09:53	RC/JU	Ok,M
5	SSTDICC020	BF140335.D	13 Nov 2024 10:29	RC/JU	Ok
6	SSTDICCC040	BF140336.D	13 Nov 2024 10:55	RC/JU	Not Ok
7	SSTDICC050	BF140337.D	13 Nov 2024 11:21	RC/JU	Ok
8	SSTDICC060	BF140338.D	13 Nov 2024 11:47	RC/JU	Ok
9	SSTDICC080	BF140339.D	13 Nov 2024 12:13	RC/JU	Ok,M
10	SSTDICCC040	BF140340.D	13 Nov 2024 12:48	RC/JU	Ok
11	SSTDICV040	BF140341.D	13 Nov 2024 13:19	RC/JU	Ok
12	PB164401BL	BF140342.D	13 Nov 2024 13:45	RC/JU	Ok
13	P4495-11	BF140343.D	13 Nov 2024 15:25	RC/JU	Dilution
14	P4495-11DL	BF140344.D	13 Nov 2024 16:02	RC/JU	Ok
15	P3845-03	BF140345.D	13 Nov 2024 16:40	RC/JU	Dilution
16	P3845-03DL	BF140346.D	13 Nov 2024 17:06	RC/JU	Ok
17	P3845-06	BF140347.D	13 Nov 2024 17:32	RC/JU	Dilution
18	P3845-06DL	BF140348.D	13 Nov 2024 17:58	RC/JU	Not Ok
19	SP6681	BF140349.D	13 Nov 2024 18:39	RC/JU	Ok,NR

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 # BF112024

Review By	yogesh	Review On	11/22/2024 3:51:12 AM				
Supervise By	mohammad	Supervise On	11/22/2024 4:00:42 AM				
SubDirectory	BF112024	HP Acquire Method	BNA_F		HP Processing Method	Bf111324	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12329,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF140487.D	20 Nov 2024 09:04	RC/JU	Ok
2	SSTDCCC040	BF140488.D	20 Nov 2024 09:31	RC/JU	Ok,M
3	PB165039BL	BF140489.D	20 Nov 2024 09:57	RC/JU	Ok
4	PB165039BS	BF140490.D	20 Nov 2024 10:23	RC/JU	Ok,M
5	PB165039BSD	BF140491.D	20 Nov 2024 10:49	RC/JU	Ok,M
6	P4843-01	BF140492.D	20 Nov 2024 11:23	RC/JU	Ok,M
7	P4868-01	BF140493.D	20 Nov 2024 11:49	RC/JU	Ok
8	P4868-03	BF140494.D	20 Nov 2024 12:15	RC/JU	ReRun
9	P4892-02	BF140495.D	20 Nov 2024 12:42	RC/JU	Ok
10	P4892-02MS	BF140496.D	20 Nov 2024 13:08	RC/JU	Ok,M
11	P4892-02MSD	BF140497.D	20 Nov 2024 13:35	RC/JU	Ok,M
12	P4868-03RE	BF140498.D	20 Nov 2024 14:01	RC/JU	Confirms
13	SSTDCCC040	BF140499.D	20 Nov 2024 14:34	RC/JU	Ok,M
14	DFTPP	BF140500.D	20 Nov 2024 15:33	RC/JU	Ok
15	SSTDCCC040	BF140501.D	20 Nov 2024 15:59	RC/JU	Ok,M
16	PB165086BL	BF140502.D	20 Nov 2024 16:25	RC/JU	Ok
17	P4849-02	BF140503.D	20 Nov 2024 16:58	RC/JU	Ok
18	P4870-07	BF140504.D	20 Nov 2024 17:24	RC/JU	Ok
19	P4910-01	BF140505.D	20 Nov 2024 17:51	RC/JU	Ok
20	P4893-01	BF140506.D	20 Nov 2024 18:17	RC/JU	Ok
21	P4893-05	BF140507.D	20 Nov 2024 18:43	RC/JU	Ok

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF112024

Review By	yogesh	Review On	11/22/2024 3:51:12 AM				
Supervise By	mohammad	Supervise On	11/22/2024 4:00:42 AM				
SubDirectory	BF112024	HP Acquire Method	BNA_F		HP Processing Method	Bf111324	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12329,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4768-05	BF140508.D	20 Nov 2024 19:09	RC/JU	Ok
23	P4870-10	BF140509.D	20 Nov 2024 19:35	RC/JU	Ok
24	P4892-01	BF140510.D	20 Nov 2024 20:02	RC/JU	Ok,M
25	P4909-01	BF140511.D	20 Nov 2024 20:28	RC/JU	Ok,M
26	P4910-05	BF140512.D	20 Nov 2024 20:54	RC/JU	Ok,M
27	P4889-05DL	BF140513.D	20 Nov 2024 21:21	RC/JU	Ok,M
28	P4822-10	BF140514.D	20 Nov 2024 21:47	RC/JU	Ok,M
29	P4822-12	BF140515.D	20 Nov 2024 22:13	RC/JU	Ok,M
30	P4822-06	BF140516.D	20 Nov 2024 22:40	RC/JU	Ok,M
31	P4822-08	BF140517.D	20 Nov 2024 23:06	RC/JU	Ok,M
32	P4822-02	BF140518.D	20 Nov 2024 23:32	RC/JU	ReRun
33	P4822-04	BF140519.D	20 Nov 2024 23:58	RC/JU	ReRun
34	P4887-05	BF140520.D	21 Nov 2024 00:24	RC/JU	ReRun
35	P4860-02	BF140521.D	21 Nov 2024 00:51	RC/JU	ReRun
36	P4860-03	BF140522.D	21 Nov 2024 01:17	RC/JU	ReRun
37	P4860-07	BF140523.D	21 Nov 2024 01:43	RC/JU	ReRun
38	P4916-01	BF140524.D	21 Nov 2024 02:09	RC/JU	ReRun
39	P4916-05	BF140525.D	21 Nov 2024 02:35	RC/JU	ReRun

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 # BF111324

Review By	yogesh	Review On	11/14/2024 3:08:53 AM		
Supervise By	mohammad	Supervise On	11/15/2024 5:49:17 AM		
SubDirectory	BF111324	HP Acquire Method	BNA_F	HP Processing Method	Bf111324

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12327,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF140331.D	13 Nov 2024 08:35		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF140332.D	13 Nov 2024 09:01		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF140333.D	13 Nov 2024 09:27	Compound#41,54,77 removed from 5 ppm	RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BF140334.D	13 Nov 2024 09:53		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BF140335.D	13 Nov 2024 10:29		RC/JU	Ok
6	SSTDICCC040	SSTDICCC040	BF140336.D	13 Nov 2024 10:55	Injection Error	RC/JU	Not Ok
7	SSTDICC050	SSTDICC050	BF140337.D	13 Nov 2024 11:21		RC/JU	Ok
8	SSTDICC060	SSTDICC060	BF140338.D	13 Nov 2024 11:47		RC/JU	Ok
9	SSTDICC080	SSTDICC080	BF140339.D	13 Nov 2024 12:13	Compound#09 removed from 80 ppm	RC/JU	Ok,M
10	SSTDICCC040	SSTDICCC040	BF140340.D	13 Nov 2024 12:48		RC/JU	Ok
11	SSTDICV040	ICVBF111324	BF140341.D	13 Nov 2024 13:19		RC/JU	Ok
12	PB164401BL	PB164401BL	BF140342.D	13 Nov 2024 13:45		RC/JU	Ok
13	P4495-11	PT-BNA-SOIL	BF140343.D	13 Nov 2024 15:25	PT Sample, Need 5X Dilution	RC/JU	Dilution
14	P4495-11DL	PT-BNA-SOILDL	BF140344.D	13 Nov 2024 16:02		RC/JU	Ok
15	P3845-03	PT-BN-WP	BF140345.D	13 Nov 2024 16:40	PT Sample Analyzed for confirmation - Need 5X Dilution.	RC/JU	Dilution
16	P3845-03DL	PT-BN-WPDL	BF140346.D	13 Nov 2024 17:06		RC/JU	Ok
17	P3845-06	PT-ACIDS-WP	BF140347.D	13 Nov 2024 17:32	PT Sample Analyzed for confirmation - Need 5X Dilution.	RC/JU	Dilution

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 # BF111324

Review By	yogesh	Review On	11/14/2024 3:08:53 AM		
Supervise By	mohammad	Supervise On	11/15/2024 5:49:17 AM		
SubDirectory	BF111324	HP Acquire Method	BNA_F	HP Processing Method	Bf111324

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12327,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	P3845-06DL	PT-ACIDS-WPDL	BF140348.D	13 Nov 2024 17:58	Dilution not matching (Low results)	RC/JU	Not Ok
19	SP6681	SP6681	BF140349.D	13 Nov 2024 18:39	8270-625.1 SPIKE SOLUTION	RC/JU	Ok,NR

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 # BF112024

Review By	yogesh	Review On	11/22/2024 3:51:12 AM		
Supervise By	mohammad	Supervise On	11/22/2024 4:00:42 AM		
SubDirectory	BF112024	HP Acquire Method	BNA_F	HP Processing Method	Bf111324

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12329,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF140487.D	20 Nov 2024 09:04		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF140488.D	20 Nov 2024 09:31		RC/JU	Ok,M
3	PB165039BL	PB165039BL	BF140489.D	20 Nov 2024 09:57		RC/JU	Ok
4	PB165039BS	PB165039BS	BF140490.D	20 Nov 2024 10:23		RC/JU	Ok,M
5	PB165039BSD	PB165039BSD	BF140491.D	20 Nov 2024 10:49		RC/JU	Ok,M
6	P4843-01	SW-WTS-01	BF140492.D	20 Nov 2024 11:23		RC/JU	Ok,M
7	P4868-01	RW5-SP100-20241114	BF140493.D	20 Nov 2024 11:49		RC/JU	Ok
8	P4868-03	RW5-SP303-20241114	BF140494.D	20 Nov 2024 12:15	Internal Standard Fail	RC/JU	ReRun
9	P4892-02	WB-310-BOT	BF140495.D	20 Nov 2024 12:42		RC/JU	Ok
10	P4892-02MS	WB-310-BOTMS	BF140496.D	20 Nov 2024 13:08		RC/JU	Ok,M
11	P4892-02MSD	WB-310-BOTMSD	BF140497.D	20 Nov 2024 13:35		RC/JU	Ok,M
12	P4868-03RE	RW5-SP303-20241114I	BF140498.D	20 Nov 2024 14:01	Internal Standard Fail	RC/JU	Confirms
13	SSTDCCC040	SSTDCCC040EC	BF140499.D	20 Nov 2024 14:34		RC/JU	Ok,M
14	DFTPP	DFTPP	BF140500.D	20 Nov 2024 15:33		RC/JU	Ok
15	SSTDCCC040	SSTDCCC040	BF140501.D	20 Nov 2024 15:59		RC/JU	Ok,M
16	PB165086BL	PB165086BL	BF140502.D	20 Nov 2024 16:25		RC/JU	Ok
17	P4849-02	RR-1	BF140503.D	20 Nov 2024 16:58		RC/JU	Ok
18	P4870-07	MH-736	BF140504.D	20 Nov 2024 17:24		RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF112024

Review By	yogesh	Review On	11/22/2024 3:51:12 AM		
Supervise By	mohammad	Supervise On	11/22/2024 4:00:42 AM		
SubDirectory	BF112024	HP Acquire Method	BNA_F	HP Processing Method	Bf111324

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12329,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4910-01	MH-COTTAGE	BF140505.D	20 Nov 2024 17:51		RC/JU	Ok
20	P4893-01	MH-763	BF140506.D	20 Nov 2024 18:17		RC/JU	Ok
21	P4893-05	MH-762	BF140507.D	20 Nov 2024 18:43		RC/JU	Ok
22	P4768-05	B-5	BF140508.D	20 Nov 2024 19:09	Internal Standard Fail	RC/JU	Ok
23	P4870-10	TP-15	BF140509.D	20 Nov 2024 19:35		RC/JU	Ok
24	P4892-01	WB-310-TOP	BF140510.D	20 Nov 2024 20:02		RC/JU	Ok,M
25	P4909-01	BU-02-111824	BF140511.D	20 Nov 2024 20:28		RC/JU	Ok,M
26	P4910-05	MH-759	BF140512.D	20 Nov 2024 20:54	Internal Standard Fail	RC/JU	Ok,M
27	P4889-05DL	#72-11930DL	BF140513.D	20 Nov 2024 21:21	Internal Standard Fail	RC/JU	Ok,M
28	P4822-10	SOIL-5	BF140514.D	20 Nov 2024 21:47		RC/JU	Ok,M
29	P4822-12	SOIL-6	BF140515.D	20 Nov 2024 22:13		RC/JU	Ok,M
30	P4822-06	SOIL-3	BF140516.D	20 Nov 2024 22:40		RC/JU	Ok,M
31	P4822-08	SOIL-4	BF140517.D	20 Nov 2024 23:06		RC/JU	Ok,M
32	P4822-02	SOIL-1	BF140518.D	20 Nov 2024 23:32	Internal Standard Fail	RC/JU	ReRun
33	P4822-04	SOIL-2	BF140519.D	20 Nov 2024 23:58	Internal Standard Fail	RC/JU	ReRun
34	P4887-05	MH-760	BF140520.D	21 Nov 2024 00:24	Internal Standard Fail	RC/JU	ReRun
35	P4860-02	PH2-BOT-001	BF140521.D	21 Nov 2024 00:51	Internal Standard Fail	RC/JU	ReRun
36	P4860-03	PH2-BOT-002	BF140522.D	21 Nov 2024 01:17	Internal Standard Fail	RC/JU	ReRun
37	P4860-07	PH2-BOT-008	BF140523.D	21 Nov 2024 01:43	Internal Standard Fail	RC/JU	ReRun

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF112024

Review By	yogesh	Review On	11/22/2024 3:51:12 AM		
Supervise By	mohammad	Supervise On	11/22/2024 4:00:42 AM		
SubDirectory	BF112024	HP Acquire Method	BNA_F	HP Processing Method	Bf111324

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12329,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

38	P4916-01	TP-1-WC	BF140524.D	21 Nov 2024 02:09	Internal Standard Fail	RC/JU	ReRun
39	P4916-05	TP-2-WC	BF140525.D	21 Nov 2024 02:35	Internal Standard Fail	RC/JU	ReRun

M : Manual Integration

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EXTRACTION LOGPAGE

PB165039

SOP ID:	M3510C,3580A-Extraction SVOC-20				
Clean Up SOP #:	N/A			**Extraction Start Date :**	11/16/2024
Matrix :	Water			**Extraction Start Time :**	08:15
Weigh By:	N/A	**Extraction By:**	RS	**Extraction End Date :**	11/16/2024
Balance check:	N/A	**Filter By:**	RS	**Extraction End Time :**	13:15
Balance ID:	N/A	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	E3574	**Hood ID:**	4,5,6,7	**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	SP6630
Surrogate	1.0ML	100/150 PPM	SP6638
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3828
Baked Na2SO4	N/A	EP2562
10N NaoH	N/A	EP2559
H2SO4 1:1	N/A	EP2548
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:

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

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

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/16/24	RP (Ext. Lab)	JH/SVOC
13:20	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB165039

Analytical Method: M3510C,3580A-Extraction SVOC-20

Concentration Date: 11/16/2024

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB165039BL	SBLK039	SVOC-TCL BNA -20	1000	6	RUPESH	rajesh	1			SEP-01
PB165039BS	SLCS039	SVOC-TCL BNA -20	1000	6	RUPESH	rajesh	1			2
PB165039BSD	SLCSD039	SVOC-TCL BNA -20	1000	6	RUPESH	rajesh	1			3
P4843-01	SW-WTS-01	SVOCMS Group4	990	12	RUPESH	rajesh	1	C		4
P4868-01	RW5-SP100-20241114	SVOC-TCL BNA -20	980	6	RUPESH	rajesh	1	B		5
P4868-03	RW5-SP303-20241114	SVOC-TCL BNA -20	1000	6	RUPESH	rajesh	1	B		6

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

11/16/24

BW
165039
8:15

WORKLIST(Hardcopy Internal Chain)

WorkList Name : P4864 **WorkList ID :** 185503 **Department :** Extraction **Date :** 11-16-2024 08:09:22

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4843-01	SW-WTS-01	Water	SVOCMS Group4	Cool 4 deg C	ENTA05	L23	11/13/2024	8270E
P4864-01	MONTCLAIR-TOTE-2	Water	PCB	Cool 4 deg C	PSEG03	M11	11/15/2024	8082A
P4868-01	RW5-SP100-20241114	Water	SVOC-TCL BNA -20	Cool 4 deg C	TETR06	L41	11/14/2024	8270E
P4868-03	RW5-SP303-20241114	Water	SVOC-TCL BNA -20	Cool 4 deg C	TETR06	L41	11/14/2024	8270E
P4890-01	#3711	Water	PCB	Cool 4 deg C	PSEG03	M11	11/15/2024	8082A
P4890-02	D3617	Water	PCB	Cool 4 deg C	PSEG03	M11	11/15/2024	8082A
P4890-03	D3690	Water	PCB	Cool 4 deg C	PSEG03	M11	11/15/2024	8082A

Date/Time 11/16/24 8:12

Raw Sample Received by: RS (Eurofins)

Raw Sample Relinquished by: [illegible]

Date/Time 11/16/24 8:35

Raw Sample Received by: [illegible]

Raw Sample Relinquished by: RS (Eurofins)

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

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

CHAIN OF CUSTODY RECORD

Alliance Project Number: P4843

COC Number: 2042104

CLIENT INFORMATION

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

PROJECT INFORMATION

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

BILLING INFORMATION

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

DATA TURNAROUND INFORMATION

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

DATA DELIVERABLE INFORMATION

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

ANALYSIS

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

PRESERVATIVES

COMMENTS

<-- Specify Preservatives
A-HCl B-HNO3
C-H2SO4 D-NaOH
E-ICE F-Other

CHEMTECH 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
1.	SW-WTS-01	Surface Water		X	11/13	8:00	4	X	X	X	X	X				
2.																
3.																
4.																
5.																
6.																
7.																
8.																
9.																
10.																

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

RELINQUISHED BY SAMPLER	DATE/TIME	RECEIVED BY
1. **Jarod Stanfield**	11/13 15:13	1513 11-13-24
RELINQUISHED BY 2.	DATE/TIME	RECEIVED BY 2.
RELINQUISHED BY 3.	DATE/TIME 1735 11-13-24	RECEIVED FOR LAB BY 3.

Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp 3.5°C ☐ Ice in Cooler?: _____

Comments: Field pH: 10+ Field Temp: 37.5 °F

Page _____ of _____

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

Shipment Complete ☐ YES ☐ NO

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

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

Alliance TECHNICAL GROUP

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P4843 ENTA05
Client Name : ENTACT
Client Contact : Jarod Stanfield
Invoice Name : ENTACT
Invoice Contact : Jarod Stanfield

Order Date : 11/13/2024 3:18:00 PM
Project Name : 540 Degraw St, Brooklyn, N
Receive DateTime : 11/13/2024 ~~12:00:00~~ AM 18:35
Purchase Order :

Project Mgr : Yazmeen
Report Type : Level 1
EDD Type : Excel NJ
Hard Copy Date :
Date Signoff : 11/14/2024 10:47:46 AM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P4843-01	SW-WTS-01	Water	11/13/2024	08:00					
					VOCMS Group4		8260-Low		5 Bus. Days

Relinguished By :
Date / Time : 11/14/24 1220

Received By :
Date / Time : 11.14.24 12:20

Storage Area : VOA Refridgerator Room