

Cover Page

Order ID : P4768

Project ID : Trenton Youth Wrestling

Client : JPCL Engineering

Lab Sample Number

P4768-01
P4768-02
P4768-03
P4768-04
P4768-05
P4768-06
P4768-07

Client Sample Number

B-3-1
B-3-2
B-3-3
B-4
B-5
B-6-2
B-6-3

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: 11/21/2024

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 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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: P4768

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 Custody

✓

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: PRADIP PRAJAPATI

Date: 11/21/2024

LAB CHRONICLE

OrderID:	P4768	OrderDate:	11/7/2024 1:45:00 PM
Client:	JPCL Engineering	Project:	Trenton Youth Wrestling
Contact:	Paul Rotondi	Location:	L23,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4768-01	B-3-1	SOIL	SVOC-TCL BNA -20	8270E	11/07/24	11/08/24	11/08/24	11/07/24
P4768-02	B-3-2	SOIL	SVOC-TCL BNA -20	8270E	11/07/24	11/08/24	11/16/24	11/07/24
P4768-03	B-3-3	SOIL	SVOC-TCL BNA -20	8270E	11/07/24	11/08/24	11/19/24	11/07/24
P4768-04	B-4	SOIL	SVOC-TCL BNA -20	8270E	11/07/24	11/08/24	11/16/24	11/07/24
P4768-05	B-5	SOIL	SVOC-TCL BNA -20	8270E	11/07/24	11/08/24	11/20/24	11/07/24
P4768-06	B-6-2	SOIL	SVOC-TCL BNA -20	8270E	11/07/24	11/08/24	11/08/24	11/07/24
P4768-06DL	B-6-2DL	SOIL	SVOC-TCL BNA -20	8270E	11/07/24	11/08/24	11/14/24	11/07/24
P4768-07	B-6-3	SOIL	SVOC-TCL BNA -20	8270E	11/07/24	11/08/24	11/19/24	11/07/24

Hit Summary Sheet SW-846

SDG No.: P4768
Client: JPCL Engineering

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : B-3-1								
P4768-01	B-3-1	SOIL	Pyrene	93.500	J	87.9	180	ug/Kg
			Total Svoc :	93.50				
P4768-01	B-3-1	SOIL	1-Cyclohexyl-2-methyl-prop-2-en *	120.000	J	0	0	ug/Kg
P4768-01	B-3-1	SOIL	1-Hexene, 3-methyl- *	120.000	J	0	0	ug/Kg
P4768-01	B-3-1	SOIL	2-sec-Butyl-3-methyl-1-pentene *	84.400	J	0	0	ug/Kg
P4768-01	B-3-1	SOIL	4-Nonene, 3-methyl-, (Z)- *	340.000	J	0	0	ug/Kg
P4768-01	B-3-1	SOIL	4-Undecene, (E)- *	200.000	J	0	0	ug/Kg
P4768-01	B-3-1	SOIL	5-Ethyldecane *	96.800	J	0	0	ug/Kg
P4768-01	B-3-1	SOIL	6-Tridecene, 7-methyl- *	99.200	J	0	0	ug/Kg
P4768-01	B-3-1	SOIL	Benzophenone *	340.000	J	0	0	ug/Kg
P4768-01	B-3-1	SOIL	Butane, 2-methoxy-2-methyl- *	1,400.000	JB	0	0	ug/Kg
P4768-01	B-3-1	SOIL	cis, cis-3-Ethylbicyclo[4.4.0]deca *	180.000	J	0	0	ug/Kg
P4768-01	B-3-1	SOIL	Cyclohexane, 1,1-(1-methylethyl) *	130.000	J	0	0	ug/Kg
P4768-01	B-3-1	SOIL	Cyclohexane, 1,2,3-trimethyl-, (1. *	97.500	J	0	0	ug/Kg
P4768-01	B-3-1	SOIL	Cyclohexane, 1,2-diethyl-3-methyl *	150.000	J	0	0	ug/Kg
P4768-01	B-3-1	SOIL	Cyclohexane, 2-butyl-1,1,3-trimethyl *	170.000	J	0	0	ug/Kg
P4768-01	B-3-1	SOIL	Naphthalene, decahydro-2-methyl *	140.000	J	0	0	ug/Kg
P4768-01	B-3-1	SOIL	trans-Decalin, 2-methyl- *	130.000	J	0	0	ug/Kg
P4768-01	B-3-1	SOIL	Undecane, 5-ethyl- *	120.000	J	0	0	ug/Kg
P4768-01	B-3-1	SOIL	unknown5.093 *	210.000	J	0	0	ug/Kg
P4768-01	B-3-1	SOIL	unknown7.516 *	190.000	J	0	0	ug/Kg
P4768-01	B-3-1	SOIL	unknown8.245 *	96.400	J	0	0	ug/Kg
			Total Tics :	4,414.30				
			Total Concentration:	4,507.80				
Client ID : B-3-2								
P4768-02	B-3-2	SOIL	Phenanthrene	520.000		88.2	180	ug/Kg
P4768-02	B-3-2	SOIL	Anthracene	160.000	J	88.6	180	ug/Kg
P4768-02	B-3-2	SOIL	Fluoranthene	2,000.000		85.8	180	ug/Kg
P4768-02	B-3-2	SOIL	Pyrene	2,000.000		87.1	180	ug/Kg
P4768-02	B-3-2	SOIL	Benzo(a)anthracene	1,900.000		84.7	180	ug/Kg
P4768-02	B-3-2	SOIL	Chrysene	1,500.000		83.5	180	ug/Kg
P4768-02	B-3-2	SOIL	Benzo(b)fluoranthene	1,800.000		85.1	180	ug/Kg
P4768-02	B-3-2	SOIL	Benzo(k)fluoranthene	870.000		86.7	180	ug/Kg
P4768-02	B-3-2	SOIL	Benzo(a)pyrene	1,600.000		97.6	180	ug/Kg
P4768-02	B-3-2	SOIL	Indeno(1,2,3-cd)pyrene	570.000		82	180	ug/Kg
P4768-02	B-3-2	SOIL	Dibenzo(a,h)anthracene	230.000		85.2	180	ug/Kg
P4768-02	B-3-2	SOIL	Benzo(g,h,i)perylene	570.000		84.1	180	ug/Kg

Hit Summary Sheet SW-846

SDG No.: P4768
Client: JPCL Engineering

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
			Total Svoc :	13,720.00				
P4768-02	B-3-2	SOIL	11H-Benzo[b]fluorene	*	120.000	J	0	ug/Kg
P4768-02	B-3-2	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	88.200	AB	0	ug/Kg
P4768-02	B-3-2	SOIL	4H-Cyclopenta[def]phenanthrene	*	540.000	J	0	ug/Kg
P4768-02	B-3-2	SOIL	9,10-Dimethylanthracene	*	180.000	J	0	ug/Kg
P4768-02	B-3-2	SOIL	9-Octadecenamide, (Z)-	*	110.000	J	0	ug/Kg
P4768-02	B-3-2	SOIL	Pyrene, 1-methyl-	*	120.000	J	0	ug/Kg
P4768-02	B-3-2	SOIL	Pyrene, 2-methyl-	*	120.000	J	0	ug/Kg
P4768-02	B-3-2	SOIL	Pyrene, 4,5,9,10-tetrahydro-	*	170.000	J	0	ug/Kg
P4768-02	B-3-2	SOIL	unknown12.539	*	100.000	J	0	ug/Kg
P4768-02	B-3-2	SOIL	Anthracene, 2-methyl-	*	280.000	J	0	ug/Kg
P4768-02	B-3-2	SOIL	Benz[a]anthracene, 2-methyl-	*	90.600	J	0	ug/Kg
P4768-02	B-3-2	SOIL	Benzo[b]triphenylene	*	170.000	J	0	ug/Kg
P4768-02	B-3-2	SOIL	Benzo[e]pyrene	*	270.000	J	0	ug/Kg
P4768-02	B-3-2	SOIL	Benzophenone	*	270.000	J	0	ug/Kg
P4768-02	B-3-2	SOIL	Butane, 2-methoxy-2-methyl-	*	1,500.000	JB	0	ug/Kg
P4768-02	B-3-2	SOIL	Fluoranthene, 2-methyl-	*	210.000	J	0	ug/Kg
P4768-02	B-3-2	SOIL	Naphthalene, 2-phenyl-	*	120.000	J	0	ug/Kg
P4768-02	B-3-2	SOIL	Perylene	*	1,100.000	J	0	ug/Kg
P4768-02	B-3-2	SOIL	Phenanthrene, 1-methyl-	*	180.000	J	0	ug/Kg
P4768-02	B-3-2	SOIL	Phenanthrene, 2-methyl-	*	100.000	J	0	ug/Kg
			Total Tics :	5,838.80				
			Total Concentration:	19,558.80				
Client ID : B-3-3								
P4768-03	B-3-3	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	130.000	AB	0	ug/Kg
P4768-03	B-3-3	SOIL	9-Octadecenamide, (Z)-	*	490.000	J	0	ug/Kg
P4768-03	B-3-3	SOIL	Benzene, 1,1-(1,3-butadiyne-1,4-d	*	78.700	J	0	ug/Kg
P4768-03	B-3-3	SOIL	Benzophenone	*	350.000	J	0	ug/Kg
P4768-03	B-3-3	SOIL	Butane, 2-methoxy-2-methyl-	*	2,200.000	JB	0	ug/Kg
P4768-03	B-3-3	SOIL	n-Hexadecanoic acid	*	210.000	J	0	ug/Kg
P4768-03	B-3-3	SOIL	Tetradecane	*	74.000	J	0	ug/Kg
P4768-03	B-3-3	SOIL	Tridecane	*	80.900	J	0	ug/Kg
			Total Tics :	3,613.60				
			Total Concentration:	3,613.60				
Client ID : B-4								
P4768-04	B-4	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	110.000	AB	0	ug/Kg
P4768-04	B-4	SOIL	9-Octadecenamide, (Z)-	*	320.000	J	0	ug/Kg
P4768-04	B-4	SOIL	Benzophenone	*	230.000	J	0	ug/Kg
P4768-04	B-4	SOIL	Cyclohexane, 1,3,5-trimethyl-, (1.	*	110.000	J	0	ug/Kg

Hit Summary Sheet SW-846

SDG No.: P4768
Client: JPCL Engineering

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P4768-04	B-4	SOIL	Cyclohexane, 1-bromo-3-methyl-	* 69.900	J	0	0	ug/Kg
P4768-04	B-4	SOIL	Cyclohexane, 1-ethyl-2-methyl-	* 83.900	J	0	0	ug/Kg
P4768-04	B-4	SOIL	Cyclopentane, (2-methylpropyl)-	* 88.800	J	0	0	ug/Kg
P4768-04	B-4	SOIL	Decane	* 150.000	J	0	0	ug/Kg
P4768-04	B-4	SOIL	n-Hexadecanoic acid	* 120.000	J	0	0	ug/Kg
P4768-04	B-4	SOIL	Nonane	* 160.000	J	0	0	ug/Kg
Total Tics :				1,442.60				
Total Concentration:				1,442.60				

Client ID : B-5

P4768-05	B-5	SOIL	1-Cyclohexyl-2-methyl-prop-2-en	* 180.000	J	0	0	ug/Kg
P4768-05	B-5	SOIL	2-Decene, 4-methyl-, (Z)-	* 280.000	J	0	0	ug/Kg
P4768-05	B-5	SOIL	2-Undecene, 4-methyl-	* 250.000	J	0	0	ug/Kg
P4768-05	B-5	SOIL	4-Octene, 2,6-dimethyl-, [S-(E)]-	* 490.000	J	0	0	ug/Kg
P4768-05	B-5	SOIL	7-Tetradecyne	* 170.000	J	0	0	ug/Kg
P4768-05	B-5	SOIL	Benzophenone	* 450.000	J	0	0	ug/Kg
P4768-05	B-5	SOIL	Butane, 2-methoxy-2-methyl-	* 2,100.000	JB	0	0	ug/Kg
P4768-05	B-5	SOIL	Cyclohexane, 1,1,3-trimethyl-	* 230.000	J	0	0	ug/Kg
P4768-05	B-5	SOIL	Cyclohexane, 2,4-diethyl-1-methyl-	* 370.000	J	0	0	ug/Kg
P4768-05	B-5	SOIL	Cyclohexane, 2-butyl-1,1,3-trimethyl-	* 370.000	J	0	0	ug/Kg
P4768-05	B-5	SOIL	Cyclooctane, 1-methyl-3-propyl-	* 160.000	J	0	0	ug/Kg
P4768-05	B-5	SOIL	Dodecane, 2,7,10-trimethyl-	* 230.000	J	0	0	ug/Kg
P4768-05	B-5	SOIL	Ketone, methyl 2,2,3-trimethylcyclo-	* 260.000	J	0	0	ug/Kg
P4768-05	B-5	SOIL	Naphthalene, decahydro-2-methyl-	* 270.000	J	0	0	ug/Kg
P4768-05	B-5	SOIL	trans, cis-2-Ethylbicyclo[4.4.0]de-	* 410.000	J	0	0	ug/Kg
P4768-05	B-5	SOIL	trans-4a-Methyl-decahydronaphth-	* 270.000	J	0	0	ug/Kg
P4768-05	B-5	SOIL	unknown6.651	* 170.000	J	0	0	ug/Kg
P4768-05	B-5	SOIL	unknown8.022	* 180.000	J	0	0	ug/Kg
P4768-05	B-5	SOIL	unknown8.239	* 200.000	J	0	0	ug/Kg
P4768-05	B-5	SOIL	unknown8.833	* 280.000	J	0	0	ug/Kg
Total Tics :				7,320.00				
Total Concentration:				7,320.00				

Client ID : B-6-2

P4768-06	B-6-2	SOIL	Acenaphthylene	310.000		91.6	180	ug/Kg
P4768-06	B-6-2	SOIL	Dibenzofuran	150.000	J	89.4	180	ug/Kg
P4768-06	B-6-2	SOIL	Fluorene	230.000		90.5	180	ug/Kg
P4768-06	B-6-2	SOIL	Phenanthrene	2,200.000		89	180	ug/Kg
P4768-06	B-6-2	SOIL	Anthracene	680.000		89.4	180	ug/Kg
P4768-06	B-6-2	SOIL	Carbazole	110.000	J	85	180	ug/Kg
P4768-06	B-6-2	SOIL	Fluoranthene	2,800.000	E	86.5	180	ug/Kg

Hit Summary Sheet
SW-846

SDG No.: P4768
Client: JPCL Engineering

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P4768-06	B-6-2	SOIL	Pyrene	2,300.000		87.9	180	ug/Kg
P4768-06	B-6-2	SOIL	Benzo(a)anthracene	1,600.000		85.5	180	ug/Kg
P4768-06	B-6-2	SOIL	Chrysene	1,200.000		84.2	180	ug/Kg
P4768-06	B-6-2	SOIL	Benzo(b)fluoranthene	1,200.000		85.9	180	ug/Kg
P4768-06	B-6-2	SOIL	Benzo(k)fluoranthene	590.000		87.5	180	ug/Kg
P4768-06	B-6-2	SOIL	Benzo(a)pyrene	1,100.000		98.5	180	ug/Kg
P4768-06	B-6-2	SOIL	Indeno(1,2,3-cd)pyrene	400.000		82.7	180	ug/Kg
P4768-06	B-6-2	SOIL	Dibenzo(a,h)anthracene	150.000	J	86	180	ug/Kg
P4768-06	B-6-2	SOIL	Benzo(g,h,i)perylene	380.000		84.8	180	ug/Kg
Total Svoc :				15,400.00				
P4768-06	B-6-2	SOIL	Decane	*	140.000	J 0	0	ug/Kg
P4768-06	B-6-2	SOIL	Naphthalene, 1,7-dimethyl-	*	98.800	J 0	0	ug/Kg
P4768-06	B-6-2	SOIL	Naphthalene, 2,3,6-trimethyl-	*	120.000	J 0	0	ug/Kg
P4768-06	B-6-2	SOIL	Naphthalene, 2,3-dimethyl-	*	130.000	J 0	0	ug/Kg
P4768-06	B-6-2	SOIL	Nonane	*	100.000	J 0	0	ug/Kg
P4768-06	B-6-2	SOIL	Phenanthrene, 1-methyl-	*	200.000	J 0	0	ug/Kg
P4768-06	B-6-2	SOIL	Phenanthrene, 2,5-dimethyl-	*	90.400	J 0	0	ug/Kg
P4768-06	B-6-2	SOIL	Phenanthrene, 2-methyl-	*	120.000	J 0	0	ug/Kg
P4768-06	B-6-2	SOIL	Pyrene, 1-methyl-	*	210.000	J 0	0	ug/Kg
P4768-06	B-6-2	SOIL	Pyrene, 4,5,9,10-tetrahydro-	*	93.200	J 0	0	ug/Kg
P4768-06	B-6-2	SOIL	Pyrene, 4-methyl-	*	160.000	J 0	0	ug/Kg
P4768-06	B-6-2	SOIL	11H-Benzo[a]fluoren-11-one	*	140.000	J 0	0	ug/Kg
P4768-06	B-6-2	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	110.000	AB 0	0	ug/Kg
P4768-06	B-6-2	SOIL	4H-Cyclopenta[def]phenanthrene	*	230.000	J 0	0	ug/Kg
P4768-06	B-6-2	SOIL	7H-Benz[de]anthracen-7-one	*	160.000	J 0	0	ug/Kg
P4768-06	B-6-2	SOIL	Benzene, 1,3-dimethyl-	*	110.000	J 0	0	ug/Kg
P4768-06	B-6-2	SOIL	Benzo[b]naphtho[2,1-d]thiophene	*	92.500	J 0	0	ug/Kg
P4768-06	B-6-2	SOIL	Benzo[e]pyrene	*	690.000	J 0	0	ug/Kg
P4768-06	B-6-2	SOIL	Benzophenone	*	460.000	J 0	0	ug/Kg
P4768-06	B-6-2	SOIL	Butane, 2-methoxy-2-methyl-	*	2,100.000	JB 0	0	ug/Kg
Total Tics :				5,554.90				
Total Concentration:				20,954.90				
Client ID : B-6-2DL								
P4768-06DL	B-6-2DL	SOIL	Acenaphthylene	240.000	JD	180	360	ug/Kg
P4768-06DL	B-6-2DL	SOIL	Fluorene	220.000	JD	180	360	ug/Kg
P4768-06DL	B-6-2DL	SOIL	Phenanthrene	2,200.000	D	180	360	ug/Kg
P4768-06DL	B-6-2DL	SOIL	Anthracene	660.000	D	180	360	ug/Kg
P4768-06DL	B-6-2DL	SOIL	Fluoranthene	2,800.000	D	170	360	ug/Kg
P4768-06DL	B-6-2DL	SOIL	Pyrene	2,100.000	D	180	360	ug/Kg
P4768-06DL	B-6-2DL	SOIL	Benzo(a)anthracene	1,600.000	D	170	360	ug/Kg

Hit Summary Sheet SW-846

SDG No.: P4768
Client: JPCL Engineering

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P4768-06DL	B-6-2DL	SOIL	Chrysene	1,200.000	D	170	360	ug/Kg
P4768-06DL	B-6-2DL	SOIL	Benzo(b)fluoranthene	1,300.000	D	170	360	ug/Kg
P4768-06DL	B-6-2DL	SOIL	Benzo(k)fluoranthene	550.000	D	170	360	ug/Kg
P4768-06DL	B-6-2DL	SOIL	Benzo(a)pyrene	1,100.000	D	200	360	ug/Kg
P4768-06DL	B-6-2DL	SOIL	Indeno(1,2,3-cd)pyrene	420.000	D	170	360	ug/Kg
P4768-06DL	B-6-2DL	SOIL	Benzo(g,h,i)perylene	400.000	D	170	360	ug/Kg
Total Svoc :				14,790.00				
Total Concentration:				14,790.00				
Client ID :	B-6-3							
P4768-07	B-6-3	SOIL	2-Pentanone, 4-hydroxy-4-methyl *	130.000	AB	0	0	ug/Kg
P4768-07	B-6-3	SOIL	9-Octadecenamide, (Z)- *	200.000	J	0	0	ug/Kg
P4768-07	B-6-3	SOIL	Benzophenone *	400.000	J	0	0	ug/Kg
P4768-07	B-6-3	SOIL	Butane, 2-methoxy-2-methyl- *	2,300.000	JB	0	0	ug/Kg
P4768-07	B-6-3	SOIL	n-Hexadecanoic acid *	330.000	J	0	0	ug/Kg
P4768-07	B-6-3	SOIL	Propane, 1,1-dimethoxy- *	78.900	J	0	0	ug/Kg
P4768-07	B-6-3	SOIL	Supraene *	240.000	J	0	0	ug/Kg
Total Tics :				3,678.90				
Total Concentration:				3,678.90				



QC SUMMARY

Surrogate Summary

SW-846

SDG No.: P4768

Client: JPCL Engineering

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
P4756-01MS	BP-B4MS	2-Fluorophenol	150	98.7	66		18	112
		Phenol-d6	150	100	67		15	107
		Nitrobenzene-d5	100	68.8	69		18	107
		2-Fluorobiphenyl	100	77.0	77		20	109
		2,4,6-Tribromophenol	150	105	70		10	116
		Terphenyl-d14	100	75.5	76		10	105
P4756-01MSD	BP-B4MSD	2-Fluorophenol	150	98.1	65		18	112
		Phenol-d6	150	99.4	66		15	107
		Nitrobenzene-d5	100	68.4	68		18	107
		2-Fluorobiphenyl	100	75.5	75		20	109
		2,4,6-Tribromophenol	150	105	70		10	116
		Terphenyl-d14	100	75.0	75		10	105
P4768-01	B-3-1	2-Fluorophenol	150	74.5	50		18	112
		Phenol-d6	150	72.6	48		15	107
		Nitrobenzene-d5	100	49.7	50		18	107
		2-Fluorobiphenyl	100	55.9	56		20	109
		2,4,6-Tribromophenol	150	78.6	52		10	116
		Terphenyl-d14	100	61.5	61		10	105
P4768-02	B-3-2	2-Fluorophenol	150	64.8	43		18	112
		Phenol-d6	150	62.6	42		15	107
		Nitrobenzene-d5	100	44.1	44		18	107
		2-Fluorobiphenyl	100	48.9	49		20	109
		2,4,6-Tribromophenol	150	59.0	39		10	116
		Terphenyl-d14	100	41.5	41		10	105
P4768-03	B-3-3	2-Fluorophenol	150	85.2	57		18	112
		Phenol-d6	150	80.3	54		15	107
		Nitrobenzene-d5	100	60.0	60		18	107
		2-Fluorobiphenyl	100	68.5	69		20	109
		2,4,6-Tribromophenol	150	72.9	49		10	116
		Terphenyl-d14	100	59.6	60		10	105
P4768-04	B-4	2-Fluorophenol	150	57.0	38		18	112
		Phenol-d6	150	55.0	37		15	107
		Nitrobenzene-d5	100	38.0	38		18	107
		2-Fluorobiphenyl	100	44.2	44		20	109
		2,4,6-Tribromophenol	150	46.5	31		10	116
		Terphenyl-d14	100	40.5	40		10	105
P4768-05	B-5	2-Fluorophenol	150	91.7	61		18	112
		Phenol-d6	150	85.6	57		15	107
		Nitrobenzene-d5	100	65.3	65		18	107
		2-Fluorobiphenyl	100	72.3	72		20	109
		2,4,6-Tribromophenol	150	82.0	55		10	116
		Terphenyl-d14	100	63.7	64		10	105
P4768-06	B-6-2	2-Fluorophenol	150	79.0	53		18	112
		Phenol-d6	150	75.2	50		15	107
		Nitrobenzene-d5	100	51.5	52		18	107
		2-Fluorobiphenyl	100	58.8	59		20	109
		2,4,6-Tribromophenol	150	80.5	54		10	116
		Terphenyl-d14	100	61.9	62		10	105
P4768-06DL	B-6-2DL	2-Fluorophenol	150	80.9	54		18	112
		Phenol-d6	150	78.5	52		15	107
		Nitrobenzene-d5	100	54.3	54		18	107

Surrogate Summary

SW-846

SDG No.: P4768

Client: JPCL Engineering

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
P4768-06DL	B-6-2DL	2-Fluorobiphenyl	100	66.1	66		20	109
		2,4,6-Tribromophenol	150	60.8	41		10	116
		Terphenyl-d14	100	54.5	55		10	105
P4768-07	B-6-3	2-Fluorophenol	150	91.7	61		18	112
		Phenol-d6	150	87.5	58		15	107
		Nitrobenzene-d5	100	65.6	66		18	107
		2-Fluorobiphenyl	100	75.7	76		20	109
		2,4,6-Tribromophenol	150	85.4	57		10	116
		Terphenyl-d14	100	72.6	73		10	105
PB164789BL	PB164789BL	2-Fluorophenol	150	123	82		18	112
		Phenol-d6	150	118	79		15	107
		Nitrobenzene-d5	100	84.1	84		18	107
		2-Fluorobiphenyl	100	83.6	84		20	109
		2,4,6-Tribromophenol	150	121	81		10	116
		Terphenyl-d14	100	78.1	78		10	105
PB164789BS	PB164789BS	2-Fluorophenol	150	123	82		18	112
		Phenol-d6	150	117	78		15	107
		Nitrobenzene-d5	100	84.8	85		18	107
		2-Fluorobiphenyl	100	83.7	84		20	109
		2,4,6-Tribromophenol	150	130	87		10	116
		Terphenyl-d14	100	92.3	92		10	105

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4768

Client: JPCL Engineering

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	P4756-01MS	Client Sample ID:	BP-B4MS					DataFile:	BF140307.D		
Benzaldehyde	1100	0	230	ug/Kg	21				10	86	
Phenol	1100	0	1200	ug/Kg	109				67	126	
bis(2-Chloroethyl)ether	1100	0	1200	ug/Kg	109				54	125	
2-Chlorophenol	1100	0	1200	ug/Kg	109	*			79	107	
2-Methylphenol	1100	0	1100	ug/Kg	100				66	122	
2,2-oxybis(1-Chloropropane)	1100	0	1100	ug/Kg	100				65	110	
Acetophenone	1100	0	1200	ug/Kg	109				75	111	
3+4-Methylphenols	1100	0	1100	ug/Kg	100				66	104	
N-Nitroso-di-n-propylamine	1100	0	1100	ug/Kg	100				59	119	
Hexachloroethane	1100	0	920	ug/Kg	84				65	117	
Nitrobenzene	1100	0	1100	ug/Kg	100				70	119	
Isophorone	1100	0	1100	ug/Kg	100				76	122	
2-Nitrophenol	1100	0	1100	ug/Kg	100				54	145	
2,4-Dimethylphenol	1100	0	1400	ug/Kg	127				44	135	
bis(2-Chloroethoxy)methane	1100	0	1200	ug/Kg	109				68	112	
2,4-Dichlorophenol	1100	0	1200	ug/Kg	109				72	118	
Naphthalene	1100	0	1100	ug/Kg	100				72	110	
4-Chloroaniline	1100	0	580	ug/Kg	53				10	91	
Hexachlorobutadiene	1100	0	1100	ug/Kg	100				66	114	
Caprolactam	1100	0	1200	ug/Kg	109				51	134	
4-Chloro-3-methylphenol	1100	0	1100	ug/Kg	100				57	132	
2-Methylnaphthalene	1100	0	1100	ug/Kg	100				59	123	
Hexachlorocyclopentadiene	2300	0	860	ug/Kg	37				10	175	
2,4,6-Trichlorophenol	1100	0	1300	ug/Kg	118	*			72	117	
2,4,5-Trichlorophenol	1100	0	1200	ug/Kg	109				72	117	
1,1-Biphenyl	1100	0	1300	ug/Kg	118	*			75	113	
2-Chloronaphthalene	1100	0	1200	ug/Kg	109				67	118	
2-Nitroaniline	1100	0	1300	ug/Kg	118				69	127	
Dimethylphthalate	1100	0	1300	ug/Kg	118	*			70	113	
Acenaphthylene	1100	0	1300	ug/Kg	118				79	118	
2,6-Dinitrotoluene	1100	0	1100	ug/Kg	100				70	125	
3-Nitroaniline	1100	0	1100	ug/Kg	100	*			30	99	
Acenaphthene	1100	0	1100	ug/Kg	100				70	121	
2,4-Dinitrophenol	2300	0	280	ug/Kg	12				10	155	
4-Nitrophenol	2300	0	2500	ug/Kg	109				45	133	
Dibenzofuran	1100	0	1200	ug/Kg	109				72	110	
2,4-Dinitrotoluene	1100	0	1100	ug/Kg	100				55	128	
Diethylphthalate	1100	0	1200	ug/Kg	109				70	112	
4-Chlorophenyl-phenylether	1100	0	1200	ug/Kg	109	*			71	108	
Fluorene	1100	0	1200	ug/Kg	109				68	116	
4-Nitroaniline	1100	0	1200	ug/Kg	109				55	120	
4,6-Dinitro-2-methylphenol	1100	0	130	ug/Kg	12				10	160	
N-Nitrosodiphenylamine	1100	0	1300	ug/Kg	118				73	118	
4-Bromophenyl-phenylether	1100	0	1200	ug/Kg	109				65	121	
Hexachlorobenzene	1100	0	1200	ug/Kg	109				67	118	
Atrazine	1100	0	1600	ug/Kg	145	*			79	127	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4768

Client: JPCL Engineering

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Pentachlorophenol	2300	0	2600	ug/Kg	113				47	128	
Phenanthrene	1100	0	1300	ug/Kg	118				52	128	
Anthracene	1100	0	1300	ug/Kg	118				62	124	
Carbazole	1100	0	1300	ug/Kg	118				59	119	
Di-n-butylphthalate	1100	0	1200	ug/Kg	109				69	118	
Fluoranthene	1100	0	1400	ug/Kg	127	*			44	125	
Pyrene	1100	0	1300	ug/Kg	118				26	142	
Butylbenzylphthalate	1100	0	1400	ug/Kg	127	*			64	126	
3,3-Dichlorobenzidine	1100	0	1400	ug/Kg	127	*			33	116	
Benzo(a)anthracene	1100	0	1300	ug/Kg	118	*			71	114	
Chrysene	1100	0	1300	ug/Kg	118				57	121	
bis(2-Ethylhexyl)phthalate	1100	0	1300	ug/Kg	118				42	169	
Di-n-octyl phthalate	1100	0	1200	ug/Kg	109				23	175	
Benzo(b)fluoranthene	1100	0	1200	ug/Kg	109				67	121	
Benzo(k)fluoranthene	1100	0	1300	ug/Kg	118				57	134	
Benzo(a)pyrene	1100	0	1400	ug/Kg	127				70	142	
Indeno(1,2,3-cd)pyrene	1100	0	1300	ug/Kg	118				40	129	
Dibenz(a,h)anthracene	1100	0	1200	ug/Kg	109				43	123	
Benzo(g,h,i)perylene	1100	0	1100	ug/Kg	100				24	125	
1,2,4,5-Tetrachlorobenzene	1100	0	1300	ug/Kg	118				69	124	
1,4-Dioxane	1100	0	960	ug/Kg	87				46	112	
2,3,4,6-Tetrachlorophenol	1100	0	1200	ug/Kg	109				69	112	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4768

Client: JPCL Engineering

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	P4756-01MSD	Client Sample ID:	BP-B4MSD					DataFile:	BF140308.D		
Benzaldehyde	1100	0	220	ug/Kg	20		5		10	86	20
Phenol	1100	0	1200	ug/Kg	109		0		67	126	20
bis(2-Chloroethyl)ether	1100	0	1200	ug/Kg	109		0		54	125	20
2-Chlorophenol	1100	0	1200	ug/Kg	109	*	0		79	107	20
2-Methylphenol	1100	0	1100	ug/Kg	100		0		66	122	20
2,2-oxybis(1-Chloropropane)	1100	0	1100	ug/Kg	100		0		65	110	20
Acetophenone	1100	0	1200	ug/Kg	109		0		75	111	20
3+4-Methylphenols	1100	0	1100	ug/Kg	100		0		66	104	20
N-Nitroso-di-n-propylamine	1100	0	1100	ug/Kg	100		0		59	119	20
Hexachloroethane	1100	0	920	ug/Kg	84		0		65	117	20
Nitrobenzene	1100	0	1100	ug/Kg	100		0		70	119	20
Isophorone	1100	0	1100	ug/Kg	100		0		76	122	20
2-Nitrophenol	1100	0	1100	ug/Kg	100		0		54	145	20
2,4-Dimethylphenol	1100	0	1400	ug/Kg	127		0		44	135	20
bis(2-Chloroethoxy)methane	1100	0	1100	ug/Kg	100		9		68	112	20
2,4-Dichlorophenol	1100	0	1200	ug/Kg	109		0		72	118	20
Naphthalene	1100	0	1100	ug/Kg	100		0		72	110	20
4-Chloroaniline	1100	0	640	ug/Kg	58		9		10	91	20
Hexachlorobutadiene	1100	0	1100	ug/Kg	100		0		66	114	20
Caprolactam	1100	0	1200	ug/Kg	109		0		51	134	20
4-Chloro-3-methylphenol	1100	0	1100	ug/Kg	100		0		57	132	20
2-Methylnaphthalene	1100	0	1100	ug/Kg	100		0		59	123	20
Hexachlorocyclopentadiene	2200	0	1000	ug/Kg	45		20		10	175	20
2,4,6-Trichlorophenol	1100	0	1300	ug/Kg	118	*	0		72	117	20
2,4,5-Trichlorophenol	1100	0	1200	ug/Kg	109		0		72	117	20
1,1-Biphenyl	1100	0	1200	ug/Kg	109		8		75	113	20
2-Chloronaphthalene	1100	0	1200	ug/Kg	109		0		67	118	20
2-Nitroaniline	1100	0	1300	ug/Kg	118		0		69	127	20
Dimethylphthalate	1100	0	1300	ug/Kg	118	*	0		70	113	20
Acenaphthylene	1100	0	1300	ug/Kg	118		0		79	118	20
2,6-Dinitrotoluene	1100	0	1100	ug/Kg	100		0		70	125	20
3-Nitroaniline	1100	0	1100	ug/Kg	100	*	0		30	99	20
Acenaphthene	1100	0	1100	ug/Kg	100		0		70	121	20
2,4-Dinitrophenol	2200	0	370	ug/Kg	17		34	*	10	155	20
4-Nitrophenol	2200	0	2500	ug/Kg	114		4		45	133	20
Dibenzofuran	1100	0	1200	ug/Kg	109		0		72	110	20
2,4-Dinitrotoluene	1100	0	1100	ug/Kg	100		0		55	128	20
Diethylphthalate	1100	0	1200	ug/Kg	109		0		70	112	20
4-Chlorophenyl-phenylether	1100	0	1200	ug/Kg	109	*	0		71	108	20
Fluorene	1100	0	1100	ug/Kg	100		9		68	116	20
4-Nitroaniline	1100	0	1200	ug/Kg	109		0		55	120	20
4,6-Dinitro-2-methylphenol	1100	0	200	ug/Kg	18		40	*	10	160	20
N-Nitrosodiphenylamine	1100	0	1300	ug/Kg	118		0		73	118	20
4-Bromophenyl-phenylether	1100	0	1200	ug/Kg	109		0		65	121	20
Hexachlorobenzene	1100	0	1200	ug/Kg	109		0		67	118	20
Atrazine	1100	0	1600	ug/Kg	145	*	0		79	127	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4768

Client: JPCL Engineering

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Pentachlorophenol	2200	0	2600	ug/Kg	118		4		47	128	20
Phenanthrene	1100	0	1300	ug/Kg	118		0		52	128	20
Anthracene	1100	0	1300	ug/Kg	118		0		62	124	20
Carbazole	1100	0	1300	ug/Kg	118		0		59	119	20
Di-n-butylphthalate	1100	0	1200	ug/Kg	109		0		69	118	20
Fluoranthene	1100	0	1300	ug/Kg	118		7		44	125	20
Pyrene	1100	0	1300	ug/Kg	118		0		26	142	20
Butylbenzylphthalate	1100	0	1300	ug/Kg	118		7		64	126	20
3,3-Dichlorobenzidine	1100	0	1400	ug/Kg	127	*	0		33	116	20
Benzo(a)anthracene	1100	0	1300	ug/Kg	118	*	0		71	114	20
Chrysene	1100	0	1300	ug/Kg	118		0		57	121	20
bis(2-Ethylhexyl)phthalate	1100	0	1300	ug/Kg	118		0		42	169	20
Di-n-octyl phthalate	1100	0	1200	ug/Kg	109		0		23	175	20
Benzo(b)fluoranthene	1100	0	1200	ug/Kg	109		0		67	121	20
Benzo(k)fluoranthene	1100	0	1200	ug/Kg	109		8		57	134	20
Benzo(a)pyrene	1100	0	1300	ug/Kg	118		7		70	142	20
Indeno(1,2,3-cd)pyrene	1100	0	1200	ug/Kg	109		8		40	129	20
Dibenz(a,h)anthracene	1100	0	1200	ug/Kg	109		0		43	123	20
Benzo(g,h,i)perylene	1100	0	1100	ug/Kg	100		0		24	125	20
1,2,4,5-Tetrachlorobenzene	1100	0	1300	ug/Kg	118		0		69	124	20
1,4-Dioxane	1100	0	940	ug/Kg	85		2		46	112	20
2,3,4,6-Tetrachlorophenol	1100	0	1300	ug/Kg	118	*	8		69	112	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4768

Client: JPCL Engineering

Analytical Method: 8270E

DataFile: BF140393.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB164789BS	Benzaldehyde	1700	190	ug/Kg	11				10	133	
	Phenol	1700	1400	ug/Kg	82				62	112	
	bis(2-Chloroethyl)ether	1700	1400	ug/Kg	82				60	101	
	2-Chlorophenol	1700	1500	ug/Kg	88				65	112	
	2-Methylphenol	1700	1400	ug/Kg	82				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1400	ug/Kg	82				51	100	
	Acetophenone	1700	1400	ug/Kg	82				66	98	
	3+4-Methylphenols	1700	1400	ug/Kg	82				58	111	
	N-Nitroso-di-n-propylamine	1700	1400	ug/Kg	82				63	95	
	Hexachloroethane	1700	1400	ug/Kg	82				72	108	
	Nitrobenzene	1700	1400	ug/Kg	82				57	101	
	Isophorone	1700	1400	ug/Kg	82				59	99	
	2-Nitrophenol	1700	1500	ug/Kg	88				61	111	
	2,4-Dimethylphenol	1700	1800	ug/Kg	106				46	141	
	bis(2-Chloroethoxy)methane	1700	1400	ug/Kg	82				66	97	
	2,4-Dichlorophenol	1700	1500	ug/Kg	88				62	107	
	Naphthalene	1700	1400	ug/Kg	82				62	100	
	4-Chloroaniline	1700	1300	ug/Kg	76				16	100	
	Hexachlorobutadiene	1700	1400	ug/Kg	82				53	98	
	Caprolactam	1700	1500	ug/Kg	88				67	110	
	4-Chloro-3-methylphenol	1700	1500	ug/Kg	88				58	112	
	2-Methylnaphthalene	1700	1400	ug/Kg	82				60	104	
	Hexachlorocyclopentadiene	3300	5400	ug/Kg	164				45	165	
	2,4,6-Trichlorophenol	1700	1500	ug/Kg	88				59	102	
	2,4,5-Trichlorophenol	1700	1400	ug/Kg	82				61	98	
	1,1-Biphenyl	1700	1400	ug/Kg	82				57	103	
	2-Chloronaphthalene	1700	1400	ug/Kg	82				58	99	
	2-Nitroaniline	1700	1500	ug/Kg	88				66	101	
	Dimethylphthalate	1700	1400	ug/Kg	82				61	99	
	Acenaphthylene	1700	1500	ug/Kg	88				63	101	
	2,6-Dinitrotoluene	1700	1400	ug/Kg	82				61	104	
	3-Nitroaniline	1700	1200	ug/Kg	71				28	100	
	Acenaphthene	1700	1600	ug/Kg	94				57	104	
	2,4-Dinitrophenol	3300	3200	ug/Kg	97				37	128	
	4-Nitrophenol	3300	3000	ug/Kg	91				48	119	
	Dibenzofuran	1700	1400	ug/Kg	82				63	99	
	2,4-Dinitrotoluene	1700	1500	ug/Kg	88				60	106	
	Diethylphthalate	1700	1400	ug/Kg	82				60	101	
	4-Chlorophenyl-phenylether	1700	1400	ug/Kg	82				58	98	
	Fluorene	1700	1400	ug/Kg	82				61	101	
	4-Nitroaniline	1700	1500	ug/Kg	88				64	103	
	4,6-Dinitro-2-methylphenol	1700	1600	ug/Kg	94				76	113	
	N-Nitrosodiphenylamine	1700	1500	ug/Kg	88				71	99	
	4-Bromophenyl-phenylether	1700	1400	ug/Kg	82				66	102	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4768

Client: JPCL Engineering

Analytical Method: 8270E

DataFile: BF140393.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB164789BS	Hexachlorobenzene	1700	1400	ug/Kg	82				64	98	
	Atrazine	1700	1100	ug/Kg	65				47	152	
	Pentachlorophenol	3300	2700	ug/Kg	82				67	105	
	Phenanthrene	1700	1500	ug/Kg	88				59	103	
	Anthracene	1700	1500	ug/Kg	88				61	105	
	Carbazole	1700	1500	ug/Kg	88				61	99	
	Di-n-butylphthalate	1700	1400	ug/Kg	82				58	104	
	Fluoranthene	1700	1400	ug/Kg	82				57	107	
	Pyrene	1700	1500	ug/Kg	88				59	103	
	Butylbenzylphthalate	1700	1500	ug/Kg	88				55	103	
	3,3-Dichlorobenzidine	1700	1300	ug/Kg	76				42	91	
	Benzo(a)anthracene	1700	1500	ug/Kg	88				60	102	
	Chrysene	1700	1500	ug/Kg	88				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1400	ug/Kg	82				54	135	
	Di-n-octyl phthalate	1700	1400	ug/Kg	82				52	137	
	Benzo(b)fluoranthene	1700	1400	ug/Kg	82				62	109	
	Benzo(k)fluoranthene	1700	1500	ug/Kg	88				62	109	
	Benzo(a)pyrene	1700	1600	ug/Kg	94				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1600	ug/Kg	94				63	101	
	Dibenz(a,h)anthracene	1700	1500	ug/Kg	88				61	112	
	Benzo(g,h,i)perylene	1700	1400	ug/Kg	82				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1400	ug/Kg	82				53	101	
	1,4-Dioxane	1700	1100	ug/Kg	65				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1600	ug/Kg	94				59	108	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164789BL

Lab Name: CHEMTECH

Contract: JPCL01

Lab Code: CHEM Case No.: P4768

SAS No.: P4768 SDG NO.: P4768

Lab File ID: BF140392.D

Lab Sample ID: PB164789BL

Instrument ID: BNA_F

Date Extracted: 11/08/2024

Matrix: (soil/water) SOIL

Date Analyzed: 11/15/2024

Level: (low/med) LOW

Time Analyzed: 10:08

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB164789BS	PB164789BS	BF140393.D	11/15/2024
B-3-2	P4768-02	BF140435.D	11/16/2024
B-4	P4768-04	BF140438.D	11/16/2024
B-3-3	P4768-03	BF140482.D	11/19/2024
B-6-3	P4768-07	BF140486.D	11/19/2024
B-5	P4768-05	BF140508.D	11/20/2024
BP-B4MS	P4756-01MS	BF140307.D	11/08/2024
BP-B4MSD	P4756-01MSD	BF140308.D	11/08/2024
B-3-1	P4768-01	BF140309.D	11/08/2024
B-6-2	P4768-06	BF140310.D	11/08/2024

COMMENTS: _____



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: JPCL01Lab Code: CHEMSAS No.: P4768SDG NO.: P4768Lab File ID: BF140230.DDFTPP Injection Date: 11/05/2024Instrument ID: BNA_FDFTPP Injection Time: 11:56

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	38.4
68	Less than 2.0% of mass 69	0.6 (1.6) 1
69	Mass 69 relative abundance	36.6
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	45.5
197	Less than 2.0% of mass 198	0.7
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	27.8
365	Greater than 1% of mass 198	4.1
441	Present, but less than mass 443	15.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19 (19) 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	BF140231.D	11/05/2024	12:26
SSTDICC005	SSTDICC005	BF140232.D	11/05/2024	12:52
SSTDICC010	SSTDICC010	BF140233.D	11/05/2024	13:18
SSTDICC020	SSTDICC020	BF140234.D	11/05/2024	13:45
SSTDICCC040	SSTDICCC040	BF140235.D	11/05/2024	14:11
SSTDICC050	SSTDICC050	BF140236.D	11/05/2024	14:37
SSTDICC060	SSTDICC060	BF140237.D	11/05/2024	15:03
SSTDICC080	SSTDICC080	BF140238.D	11/05/2024	15:30



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: JPCL01Lab Code: CHEMSAS No.: P4768 SDG NO.: P4768Lab File ID: BF140285.DDFTPP Injection Date: 11/08/2024Instrument ID: BNA_FDFTPP Injection Time: 09:09

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	28.4
68	Less than 2.0% of mass 69	0.5 (2) 1
69	Mass 69 relative abundance	27.7
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	36.3
197	Less than 2.0% of mass 198	0.5
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.8
275	10.0 - 60.0% of mass 198	25.2
365	Greater than 1% of mass 198	3.3
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	19.4 (19.4) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF140286.D	11/08/2024	09:35
BP-B4MS	P4756-01MS	BF140307.D	11/08/2024	18:55
BP-B4MSD	P4756-01MSD	BF140308.D	11/08/2024	19:22
B-3-1	P4768-01	BF140309.D	11/08/2024	19:48
B-6-2	P4768-06	BF140310.D	11/08/2024	20:14



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: JPCL01Lab Code: CHEMSAS No.: P4768 SDG NO.: P4768Lab File ID: BF140331.DDFTPP Injection Date: 11/13/2024Instrument ID: BNA_FDFTPP 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	100
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: CHEMTECHContract: JPCL01Lab Code: CHEMSAS No.: P4768SDG NO.: P4768Lab File ID: BF140365.DDFTPP Injection Date: 11/14/2024Instrument ID: BNA_FDFTPP Injection Time: 16:35

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	38.3
68	Less than 2.0% of mass 69	0.7 (1.8) 1
69	Mass 69 relative abundance	39.7
70	Less than 2.0% of mass 69	0.3 (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	6.6
275	10.0 - 60.0% of mass 198	28.2
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	12.8
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	15.3 (18.4) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF140366.D	11/14/2024	17:02
B-6-2DL	P4768-06DL	BF140378.D	11/14/2024	22:20



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: JPCL01Lab Code: CHEMSAS No.: P4768SDG NO.: P4768Lab File ID: BF140390.DDFTPP Injection Date: 11/15/2024Instrument ID: BNA_FDFTPP Injection Time: 09:16

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	38
68	Less than 2.0% of mass 69	0.7 (1.7) 1
69	Mass 69 relative abundance	38.4
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	49
197	Less than 2.0% of mass 198	0.8
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	27.5
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	13.2
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	15.9 (19.1) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF140391.D	11/15/2024	09:42
PB164789BL	PB164789BL	BF140392.D	11/15/2024	10:08
PB164789BS	PB164789BS	BF140393.D	11/15/2024	10:34



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: JPCL01Lab Code: CHEMSAS No.: P4768 SDG NO.: P4768Lab File ID: BF140416.DDFTPP Injection Date: 11/16/2024Instrument ID: BNA_FDFTPP Injection Time: 09:08

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	37.4
68	Less than 2.0% of mass 69	0.7 (1.8) 1
69	Mass 69 relative abundance	37.8
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	49
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	28.4
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	14.9
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	17.5 (18.7) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF140417.D	11/16/2024	09:34
B-3-2	P4768-02	BF140435.D	11/16/2024	17:34
B-4	P4768-04	BF140438.D	11/16/2024	18:53



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: JPCL01Lab Code: CHEMSAS No.: P4768SDG NO.: P4768Lab File ID: BF140462.DDFTPP Injection Date: 11/19/2024Instrument ID: BNA_FDFTPP Injection Time: 09:32

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	37.8
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	38.6
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	49.9
197	Less than 2.0% of mass 198	0.8
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 60.0% of mass 198	27.6
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	14.7
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	17 (18.5) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF140463.D	11/19/2024	10:34
B-3-3	P4768-03	BF140482.D	11/19/2024	19:02
B-6-3	P4768-07	BF140486.D	11/19/2024	20:47



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: JPCL01Lab Code: CHEMSAS No.: P4768 SDG NO.: P4768Lab File ID: BF140500.DDFTPP Injection Date: 11/20/2024Instrument ID: BNA_FDFTPP Injection Time: 15:33

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	37.7
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	38.4
70	Less than 2.0% of mass 69	0.3 (0.7) 1
127	10.0 - 80.0% of mass 198	50
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	28.1
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	14.2
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	16.9 (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	BF140501.D	11/20/2024	15:59
B-5	P4768-05	BF140508.D	11/20/2024	19:09

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4768 SAS No.: P4768 SDG NO.: P4768

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/08/2024

Lab File ID: BF140286.D Time Analyzed: 09:35

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	203786	6.881	760595	8.16	473134	9.92
UPPER LIMIT	407572	7.381	1521190	8.663	946268	10.422
LOWER LIMIT	101893	6.381	380298	7.663	236567	9.422
EPA SAMPLE NO.						
01 BP-B4MS	111731	6.88	394140	8.16	192644 *	9.92
02 BP-B4MSD	110036	6.88	391943	8.16	195155 *	9.92
03 B-3-1	113687	6.88	388933	8.16	199747 *	9.92
04 B-6-2	108852	6.88	376967 *	8.16	191196 *	9.92

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4768 SAS No.: P4768 SDG NO.: P4768

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/08/2024

Lab File ID: BF140286.D Time Analyzed: 09:35

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	883136	11.41	554697	14.063	449723	15.551
	UPPER LIMIT	1766270	11.91	1109390	14.563	899446	16.051
	LOWER LIMIT	441568	10.91	277349	13.563	224862	15.051
	EPA SAMPLE NO.						
01	BP-B4MS	322020 *	11.41	212503 *	14.06	174450 *	15.56
02	BP-B4MSD	332415 *	11.41	214633 *	14.06	179498 *	15.56
03	B-3-1	347898 *	11.41	189190 *	14.07	170096 *	15.59
04	B-6-2	335212 *	11.41	198806 *	14.06	180647 *	15.56

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4768 SAS No.: P4768 SDG NO.: P4768

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/14/2024

Lab File ID: BF140366.D Time Analyzed: 17:02

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	130579	6.875	484942	8.16	265027	9.91
UPPER LIMIT	261158	7.375	969884	8.657	530054	10.41
LOWER LIMIT	65289.5	6.375	242471	7.657	132514	9.41
EPA SAMPLE NO.						
01 B-6-2DL	135115	6.88	504974	8.16	233440	9.91

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4768 SAS No.: P4768 SDG NO.: P4768

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/14/2024

Lab File ID: BF140366.D Time Analyzed: 17:02

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	494420	11.398	287889	14.062	258896	15.592
UPPER LIMIT	988840	11.898	575778	14.562	517792	16.092
LOWER LIMIT	247210	10.898	143945	13.562	129448	15.092
EPA SAMPLE NO.						
01 B-6-2DL	349983	11.40	247139	14.05	180477	15.54

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4768 SAS No.: P4768 SDG NO.: P4768

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/15/2024

Lab File ID: BF140391.D Time Analyzed: 09:42

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	137586	6.881	510501	8.16	282269	9.92
UPPER LIMIT	275172	7.381	1021000	8.657	564538	10.416
LOWER LIMIT	68793	6.381	255251	7.657	141135	9.416
EPA SAMPLE NO.						
01 PB164789BL	139459	6.88	521031	8.16	292158	9.91
02 PB164789BS	137404	6.88	514072	8.16	287836	9.92

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4768 SAS No.: P4768 SDG NO.: P4768

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/15/2024

Lab File ID: BF140391.D Time Analyzed: 09:42

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	532450	11.404	316907	14.063	286665	15.574
UPPER LIMIT	1064900	11.904	633814	14.563	573330	16.074
LOWER LIMIT	266225	10.904	158454	13.563	143333	15.074
EPA SAMPLE NO.						
01 PB164789BL	556998	11.40	390196	14.06	333601	15.58
02 PB164789BS	536724	11.40	317210	14.07	291377	15.60

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4768 SAS No.: P4768 SDG NO.: P4768

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/16/2024

Lab File ID: BF140417.D Time Analyzed: 09:34

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	171491	6.875	639592	8.16	364979	9.92
UPPER LIMIT	342982	7.375	1279180	8.657	729958	10.416
LOWER LIMIT	85745.5	6.375	319796	7.657	182490	9.416
EPA SAMPLE NO.						
01 B-3-2	116979	6.88	433268	8.15	227549	9.91
02 B-4	126758	6.88	464845	8.15	232288	9.91

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4768 SAS No.: P4768 SDG NO.: P4768

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/16/2024

Lab File ID: BF140417.D Time Analyzed: 09:34

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	687284	11.404	387415	14.051	336604	15.545
UPPER LIMIT	1374570	11.904	774830	14.551	673208	16.045
LOWER LIMIT	343642	10.904	193708	13.551	168302	15.045
EPA SAMPLE NO.						
01 B-3-2	371496	11.40	238440	14.05	217138	15.53
02 B-4	359240	11.40	227936	14.05	171121	15.55

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4768 SAS No.: P4768 SDG NO.: P4768

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/19/2024

Lab File ID: BF140463.D Time Analyzed: 10:34

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	137275	6.875	502770	8.16	278131	9.91
UPPER LIMIT	274550	7.375	1005540	8.657	556262	10.41
LOWER LIMIT	68637.5	6.375	251385	7.657	139066	9.41
EPA SAMPLE NO.						
01 B-3-3	163847	6.88	576180	8.15	259394	9.91
02 B-6-3	127675	6.88	442278	8.15	205389	9.91

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4768 SAS No.: P4768 SDG NO.: P4768

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/19/2024

Lab File ID: BF140463.D Time Analyzed: 10:34

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	524892	11.398	344697	14.069	292973	15.592
UPPER LIMIT	1049780	11.898	689394	14.569	585946	16.092
LOWER LIMIT	262446	10.898	172349	13.569	146487	15.092
EPA SAMPLE NO.						
01 B-3-3	406415	11.40	265711	14.05	205466	15.53
02 B-6-3	337964	11.40	204768	14.05	163923	15.53

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4768 SAS No.: P4768 SDG NO.: P4768

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

Lab File ID: BF140501.D Time Analyzed: 15:59

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	136554	6.875	508396	8.16	278192	9.91
UPPER LIMIT	273108	7.375	1016790	8.657	556384	10.41
LOWER LIMIT	68277	6.375	254198	7.657	139096	9.41
EPA SAMPLE NO.						
01 B-5	97789	6.88	331411	8.15	155672	9.90

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4768 SAS No.: P4768 SDG NO.: P4768

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

Lab File ID: BF140501.D Time Analyzed: 15:59

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	526085	11.398	294226	14.045	277583	15.533
UPPER LIMIT	1052170	11.898	588452	14.545	555166	16.033
LOWER LIMIT	263043	10.898	147113	13.545	138792	15.033
EPA SAMPLE NO.						
01 B-5	250354 *	11.40	155764	14.06	143752	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

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-3-1	SDG No.:	P4768
Lab Sample ID:	P4768-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	94.2
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140309.D	1	11/08/24 09:45	11/08/24 19:48	PB164789

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	190	U	190	350	ug/Kg
108-95-2	Phenol	87.8	U	87.8	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	88.7	U	88.7	180	ug/Kg
95-57-8	2-Chlorophenol	88.5	U	88.5	180	ug/Kg
95-48-7	2-Methylphenol	85.4	U	85.4	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	96.3	U	96.3	180	ug/Kg
98-86-2	Acetophenone	92.1	U	92.1	180	ug/Kg
65794-96-9	3+4-Methylphenols	84.5	U	84.5	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	42.7	U	42.7	84.8	ug/Kg
67-72-1	Hexachloroethane	87.9	U	87.9	180	ug/Kg
98-95-3	Nitrobenzene	96.2	U	96.2	180	ug/Kg
78-59-1	Isophorone	89.6	U	89.6	180	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	180	ug/Kg
105-67-9	2,4-Dimethylphenol	98.7	U	98.7	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	90.9	U	90.9	180	ug/Kg
120-83-2	2,4-Dichlorophenol	80.0	U	80.0	180	ug/Kg
91-20-3	Naphthalene	87.5	U	87.5	180	ug/Kg
106-47-8	4-Chloroaniline	87.5	U	87.5	180	ug/Kg
87-68-3	Hexachlorobutadiene	88.3	U	88.3	180	ug/Kg
105-60-2	Caprolactam	92.0	U	92.0	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	82.1	U	82.1	180	ug/Kg
91-57-6	2-Methylnaphthalene	87.4	U	87.4	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	170	U	170	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	75.6	U	75.6	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	78.4	U	78.4	180	ug/Kg
92-52-4	1,1-Biphenyl	92.6	U	92.6	180	ug/Kg
91-58-7	2-Chloronaphthalene	88.3	U	88.3	180	ug/Kg
88-74-4	2-Nitroaniline	100	U	100	180	ug/Kg
131-11-3	Dimethylphthalate	86.6	U	86.6	180	ug/Kg

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-3-1	SDG No.:	P4768
Lab Sample ID:	P4768-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	94.2
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140309.D	1	11/08/24 09:45	11/08/24 19:48	PB164789

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	91.6	U	91.6	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	88.1	U	88.1	180	ug/Kg
99-09-2	3-Nitroaniline	94.5	U	94.5	180	ug/Kg
83-32-9	Acenaphthene	85.9	U	85.9	180	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	350	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	350	ug/Kg
132-64-9	Dibenzofuran	89.4	U	89.4	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	91.3	U	91.3	180	ug/Kg
84-66-2	Diethylphthalate	84.9	U	84.9	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	90.7	U	90.7	180	ug/Kg
86-73-7	Fluorene	90.6	U	90.6	180	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	86.5	U	86.5	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	83.6	U	83.6	180	ug/Kg
118-74-1	Hexachlorobenzene	90.1	U	90.1	180	ug/Kg
1912-24-9	Atrazine	96.8	U	96.8	180	ug/Kg
87-86-5	Pentachlorophenol	81.9	U	81.9	350	ug/Kg
85-01-8	Phenanthrene	89.0	U	89.0	180	ug/Kg
120-12-7	Anthracene	89.4	U	89.4	180	ug/Kg
86-74-8	Carbazole	85.1	U	85.1	180	ug/Kg
84-74-2	Di-n-butylphthalate	89.3	U	89.3	180	ug/Kg
206-44-0	Fluoranthene	86.6	U	86.6	180	ug/Kg
129-00-0	Pyrene	93.5	J	87.9	180	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	100	U	100	350	ug/Kg
56-55-3	Benzo(a)anthracene	85.5	U	85.5	180	ug/Kg
218-01-9	Chrysene	84.2	U	84.2	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	96.4	U	96.4	180	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	85.9	U	85.9	180	ug/Kg

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-3-1	SDG No.:	P4768
Lab Sample ID:	P4768-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	94.2
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140309.D	1	11/08/24 09:45	11/08/24 19:48	PB164789

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	87.5	U	87.5	180	ug/Kg
50-32-8	Benzo(a)pyrene	98.5	U	98.5	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	82.7	U	82.7	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	86.0	U	86.0	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	84.9	U	84.9	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	92.0	U	92.0	180	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	79.1	U	79.1	180	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	74.5		18 - 112	50%	SPK: 150
13127-88-3	Phenol-d6	72.6		15 - 107	48%	SPK: 150
4165-60-0	Nitrobenzene-d5	49.7		18 - 107	50%	SPK: 100
321-60-8	2-Fluorobiphenyl	55.9		20 - 109	56%	SPK: 100
118-79-6	2,4,6-Tribromophenol	78.6		10 - 116	52%	SPK: 150
1718-51-0	Terphenyl-d14	61.5		10 - 105	61%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	114000	6.881
1146-65-2	Naphthalene-d8	389000	8.157
15067-26-2	Acenaphthene-d10	200000	9.916
1517-22-2	Phenanthrene-d10	348000	11.41
1719-03-5	Chrysene-d12	189000	14.069
1520-96-3	Perylene-d12	170000	15.586

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	1400	JB	2.13	ug/Kg
	unknown5.093	210	J	5.09	ug/Kg
003404-61-3	1-Hexene, 3-methyl-	120	J	5.80	ug/Kg
054934-90-6	Cyclohexane, 1,1-(1-methylethylid	130	J	5.89	ug/Kg
075144-24-0	2-sec-Butyl-3-methyl-1-pentene	84.4	J	6.32	ug/Kg
063830-69-3	4-Nonene, 3-methyl-, (Z)-	340	J	6.42	ug/Kg
001839-88-9	Cyclohexane, 1,2,3-trimethyl-, (1.	97.5	J	6.66	ug/Kg

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-3-1	SDG No.:	P4768
Lab Sample ID:	P4768-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	94.2
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140309.D	1	11/08/24 09:45	11/08/24 19:48	PB164789

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000693-62-9	4-Undecene, (E)-	200	J		7.14	ug/Kg
025183-82-8	1-Cyclohexyl-2-methyl-prop-2-en-1-	120	J		7.30	ug/Kg
	unknown7.516	190	J		7.52	ug/Kg
1000152-47-3	trans-Decalin, 2-methyl-	130	J		7.68	ug/Kg
002958-76-1	Naphthalene, decahydro-2-methyl-	140	J		7.80	ug/Kg
017302-36-2	5-Ethyldecane	96.8	J		8.21	ug/Kg
	unknown8.245	96.4	J		8.24	ug/Kg
054676-39-0	Cyclohexane, 2-butyl-1,1,3-trimeth	170	J		8.36	ug/Kg
066660-42-2	cis, cis-3-Ethylbicyclo[4.4.0]deca	180	J		8.45	ug/Kg
061141-80-8	Cyclohexane, 1,2-diethyl-3-methyl-	150	J		8.60	ug/Kg
024949-42-6	6-Tridecene, 7-methyl-	99.2	J		8.70	ug/Kg
017453-94-0	Undecane, 5-ethyl-	120	J		8.84	ug/Kg
000119-61-9	Benzophenone	340	J		10.6	ug/Kg

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\BF110824\
Data File : BF140309.D
Acq On : 08 Nov 2024 19:48
Operator : RC/JU
Sample : P4768-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-3-1

Quant Time: Nov 08 21:48:50 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 16:47:56 2024
Response via : Initial Calibration

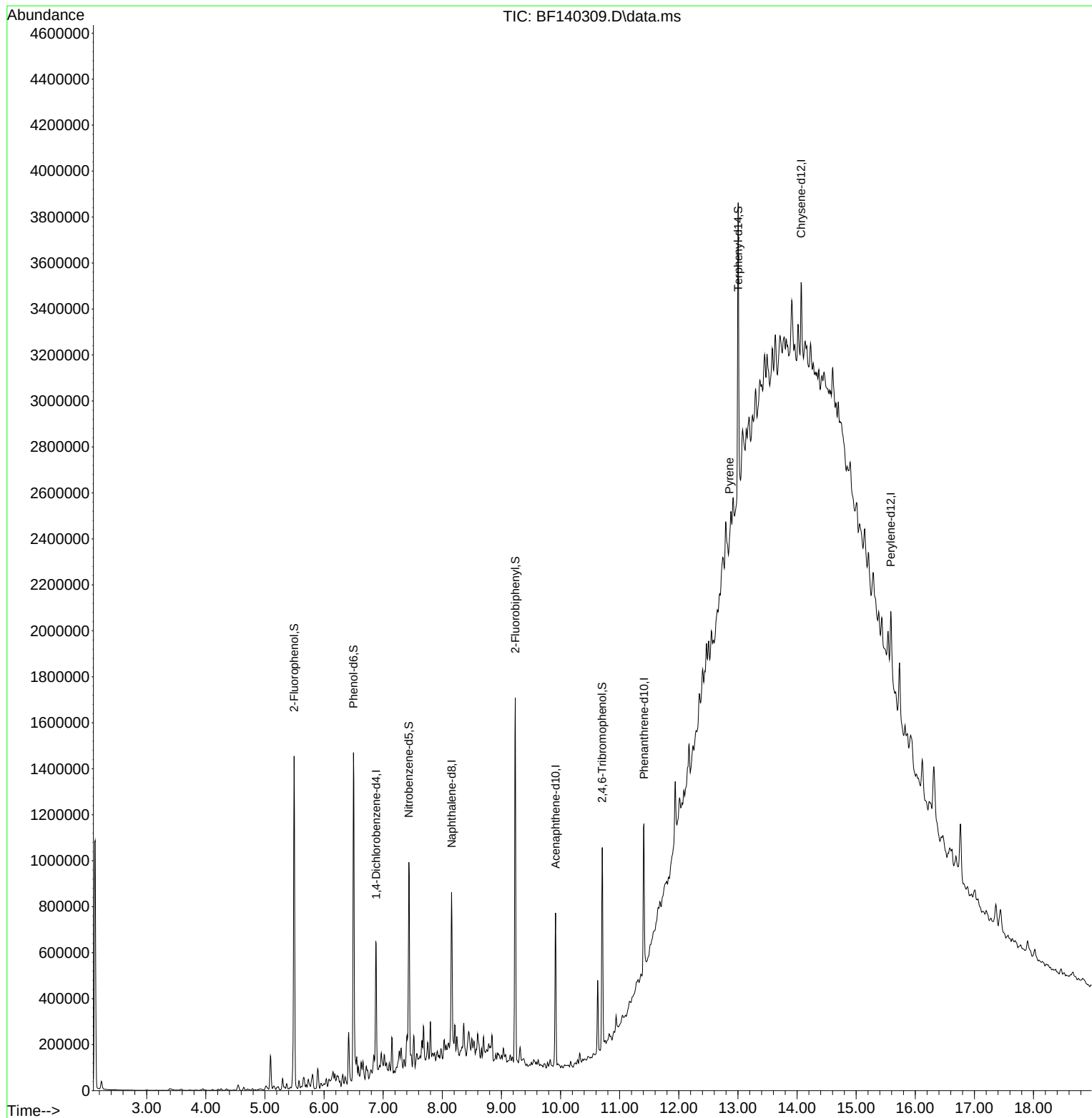
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	113687	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	388933	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	199747	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	347898	20.000	ng	0.00
76) Chrysene-d12	14.069	240	189190	20.000	ng	# 0.00
86) Perylene-d12	15.586	264	170096	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	511143	74.509	ng	0.00
7) Phenol-d6	6.498	99	640860	72.628	ng	0.00
23) Nitrobenzene-d5	7.434	82	388971	49.723	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	155259	78.636	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	698764	55.860	ng	0.00
79) Terphenyl-d14	13.004	244	709772	61.457	ng	0.00
Target Compounds						
78) Pyrene	12.857	202	41383	2.649	ng	# 74

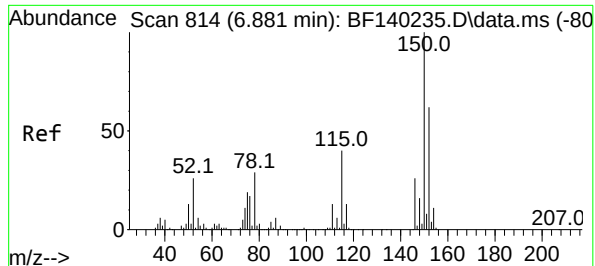
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140309.D
Acq On : 08 Nov 2024 19:48
Operator : RC/JU
Sample : P4768-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-3-1

Quant Time: Nov 08 21:48:50 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 16:47:56 2024
Response via : Initial Calibration

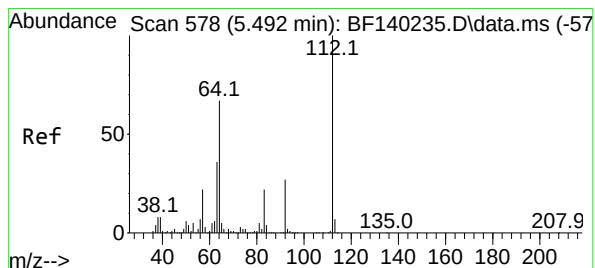
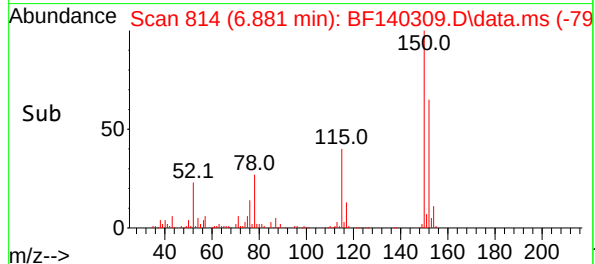
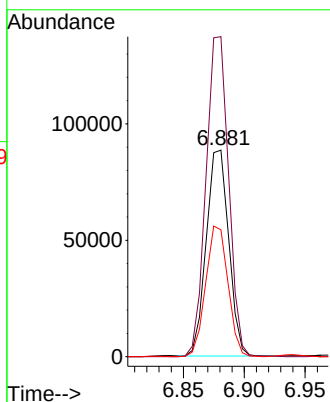
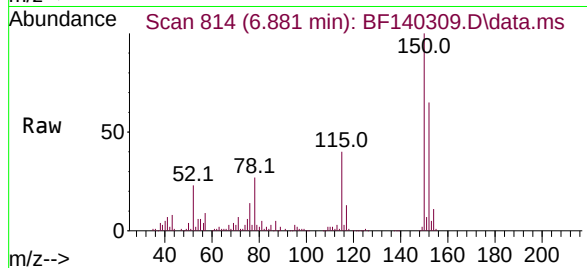




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF140309.D
Acq: 08 Nov 2024 19:48

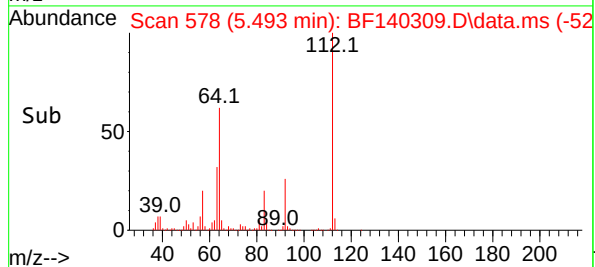
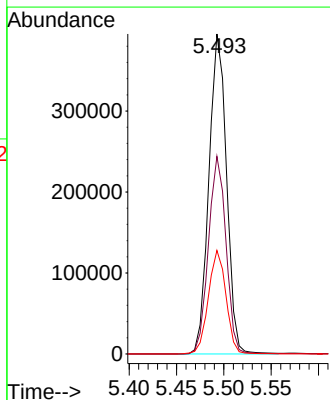
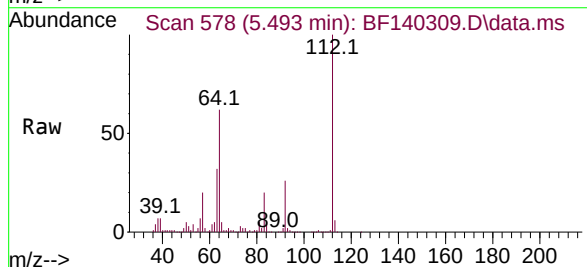
Instrument :
BNA_F
ClientSampleId :
B-3-1

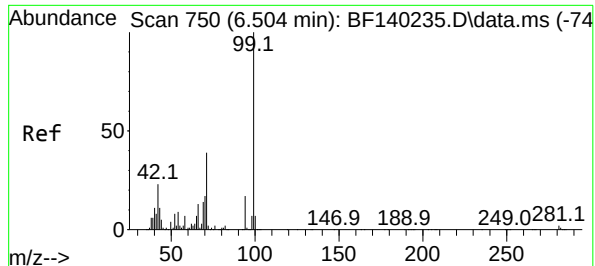
Tgt Ion:152 Resp: 113687
Ion Ratio Lower Upper
152 100
150 154.9 129.4 194.2
115 61.4 51.5 77.3



#5
2-Fluorophenol
Concen: 74.509 ng
RT: 5.493 min Scan# 578
Delta R.T. 0.000 min
Lab File: BF140309.D
Acq: 08 Nov 2024 19:48

Tgt Ion:112 Resp: 511143
Ion Ratio Lower Upper
112 100
64 61.7 53.4 80.2
63 32.3 28.9 43.3

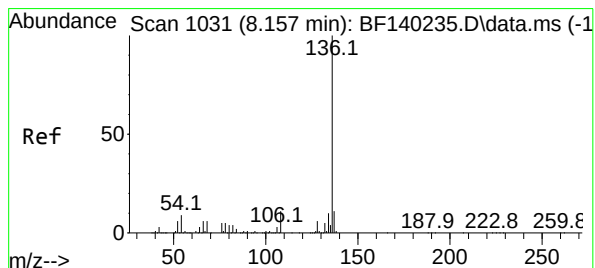
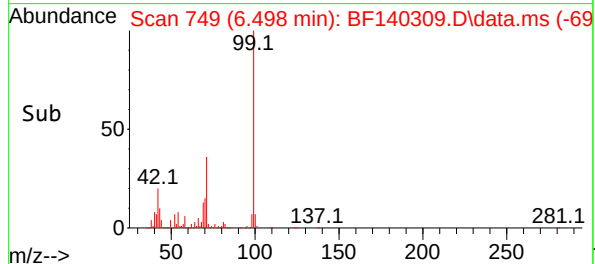
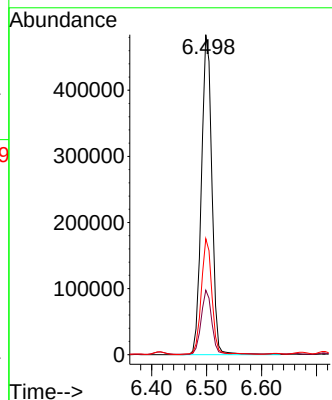
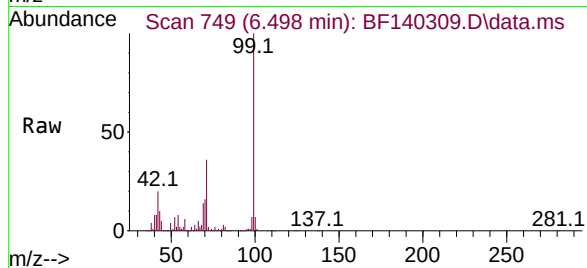




#7
Phenol-d6
Concen: 72.628 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF140309.D
Acq: 08 Nov 2024 19:48

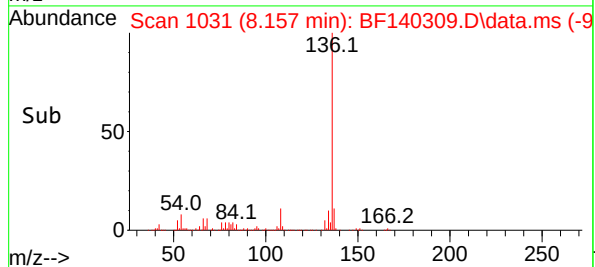
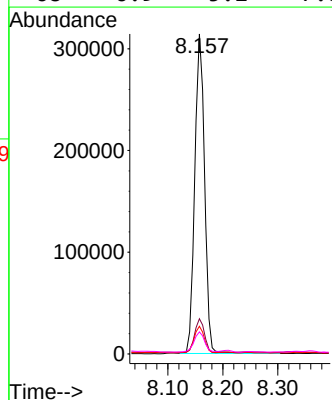
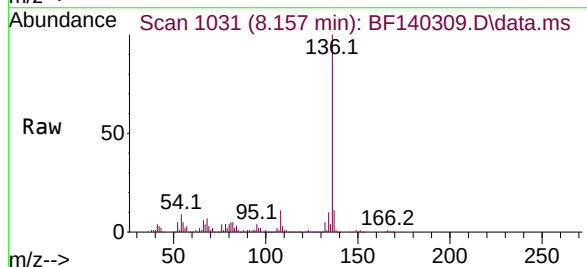
Instrument :
BNA_F
ClientSampleId :
B-3-1

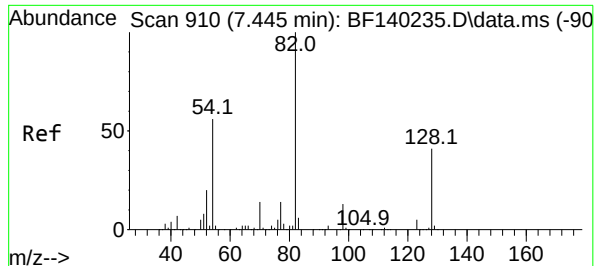
Tgt Ion: 99 Resp: 640860
Ion Ratio Lower Upper
99 100
42 20.1 18.2 27.2
71 36.3 30.9 46.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. 0.000 min
Lab File: BF140309.D
Acq: 08 Nov 2024 19:48

Tgt Ion: 136 Resp: 388933
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.6
54 8.7 7.7 11.5
68 6.9 5.2 7.8





#23

Nitrobenzene-d5

Concen: 49.723 ng

RT: 7.434 min Scan# 90

Delta R.T. -0.012 min

Lab File: BF140309.D

Acq: 08 Nov 2024 19:48

Instrument :

BNA_F

ClientSampleId :

B-3-1

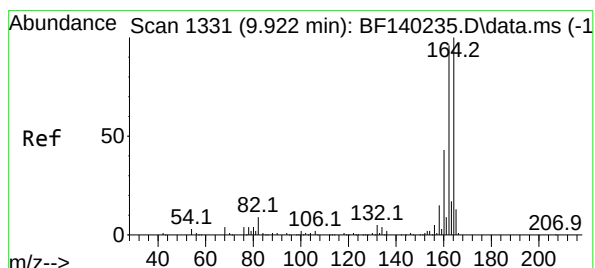
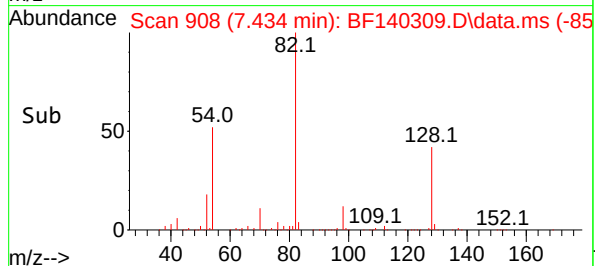
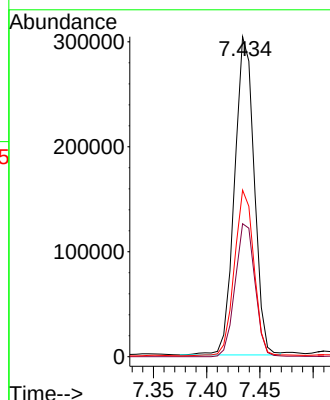
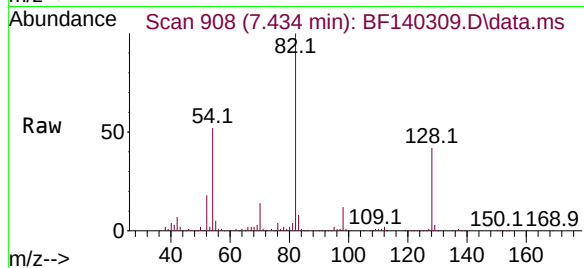
Tgt Ion: 82 Resp: 388971

Ion Ratio Lower Upper

82 100

128 41.5 32.8 49.2

54 52.1 44.3 66.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1330

Delta R.T. -0.006 min

Lab File: BF140309.D

Acq: 08 Nov 2024 19:48

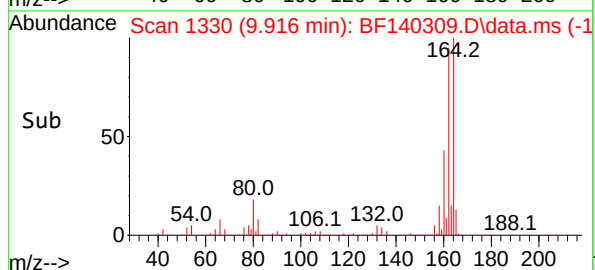
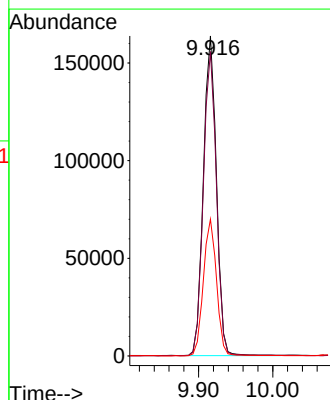
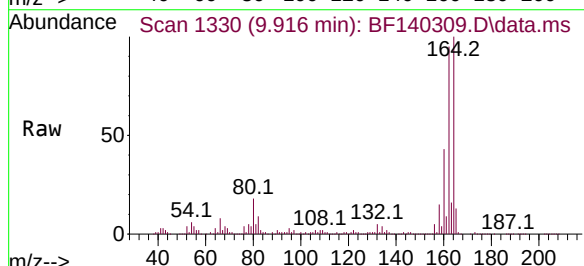
Tgt Ion: 164 Resp: 199747

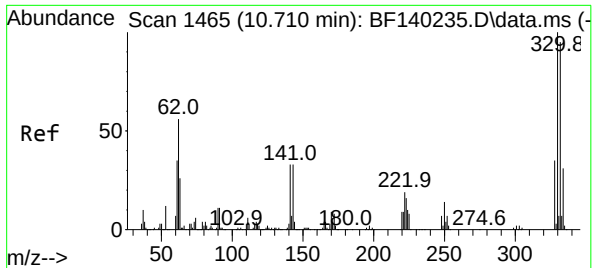
Ion Ratio Lower Upper

164 100

162 95.1 77.0 115.4

160 42.8 34.1 51.1





#42

2,4,6-Tribromophenol

Concen: 78.636 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.006 min

Lab File: BF140309.D

Acq: 08 Nov 2024 19:48

Instrument :

BNA_F

ClientSampleId :

B-3-1

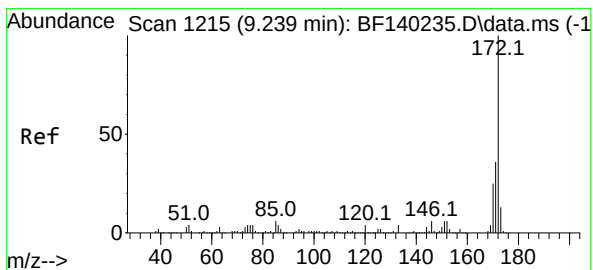
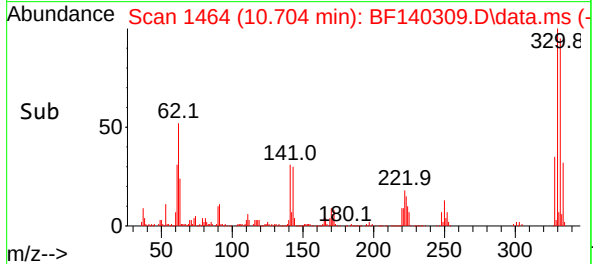
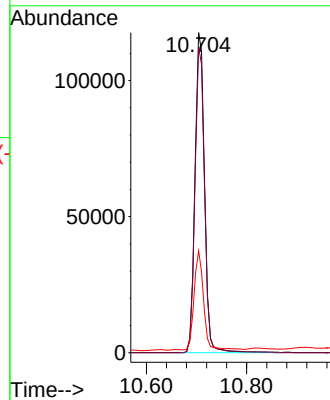
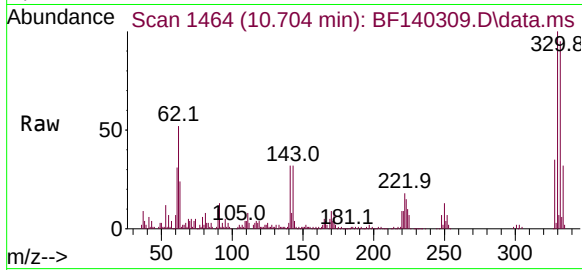
Tgt Ion:330 Resp: 155259

Ion Ratio Lower Upper

330 100

332 95.6 76.4 114.6

141 30.5 27.0 40.4



#45

2-Fluorobiphenyl

Concen: 55.860 ng

RT: 9.234 min Scan# 1214

Delta R.T. -0.006 min

Lab File: BF140309.D

Acq: 08 Nov 2024 19:48

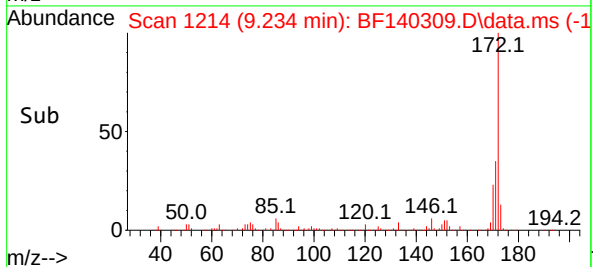
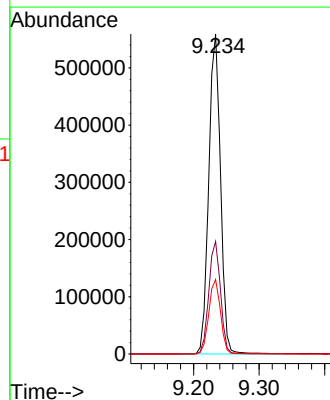
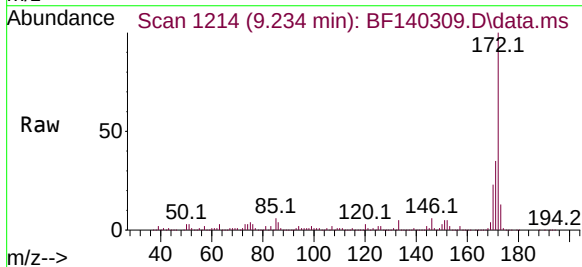
Tgt Ion:172 Resp: 698764

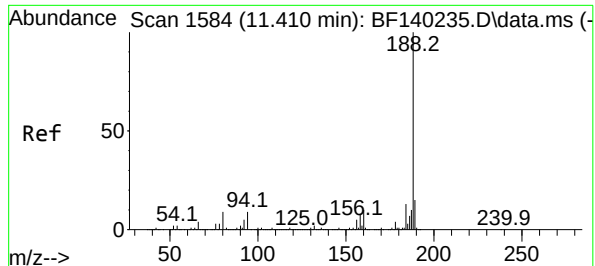
Ion Ratio Lower Upper

172 100

171 35.1 28.8 43.2

170 23.3 19.6 29.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF140309.D

Acq: 08 Nov 2024 19:48

Instrument :

BNA_F

ClientSampleId :

B-3-1

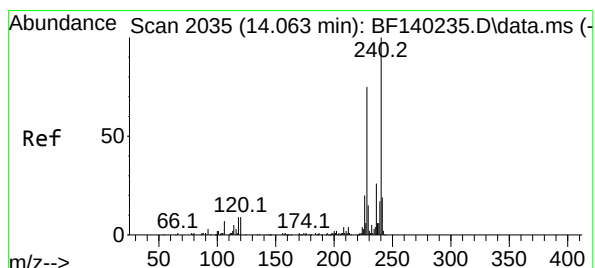
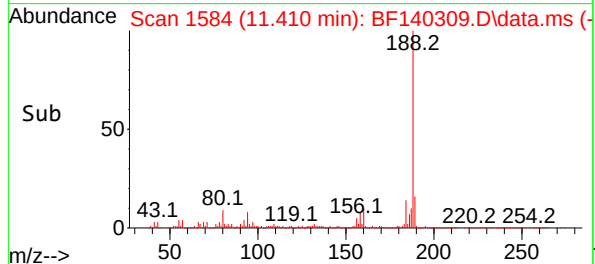
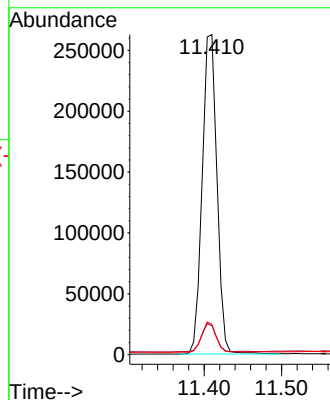
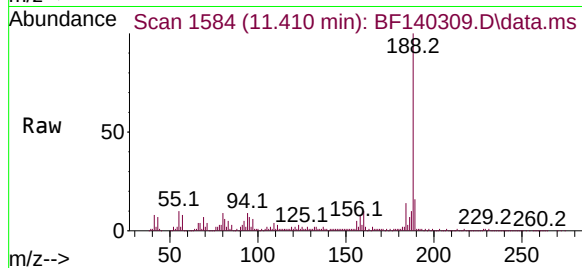
Tgt Ion:188 Resp: 347898

Ion Ratio Lower Upper

188 100

94 9.1 6.9 10.3

80 9.5 7.5 11.3



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.069 min Scan# 2036

Delta R.T. 0.006 min

Lab File: BF140309.D

Acq: 08 Nov 2024 19:48

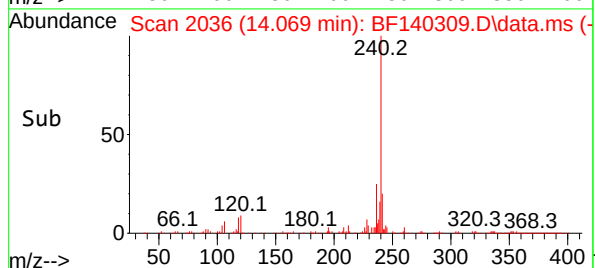
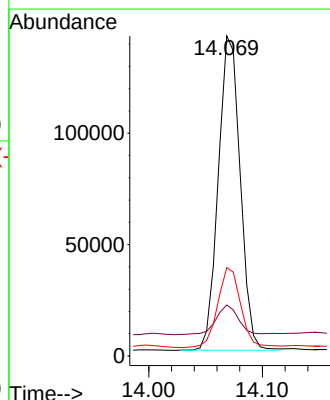
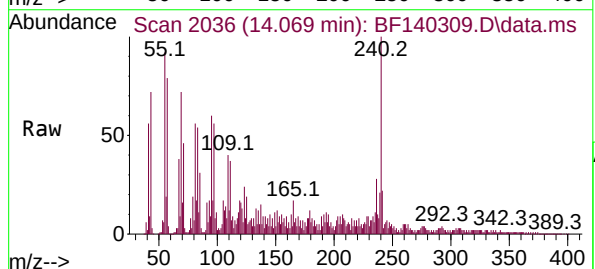
Tgt Ion:240 Resp: 189190

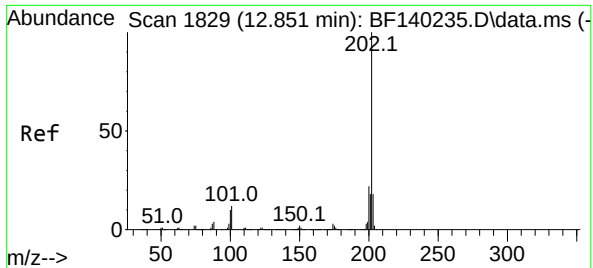
Ion Ratio Lower Upper

240 100

120 15.9 7.5 11.3#

236 27.6 20.9 31.3

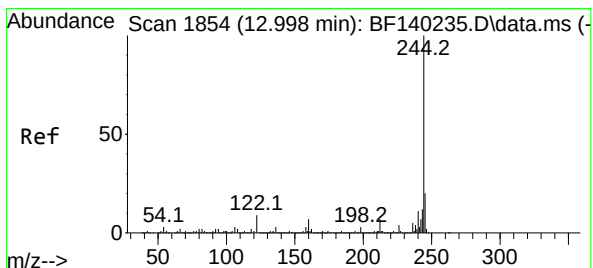
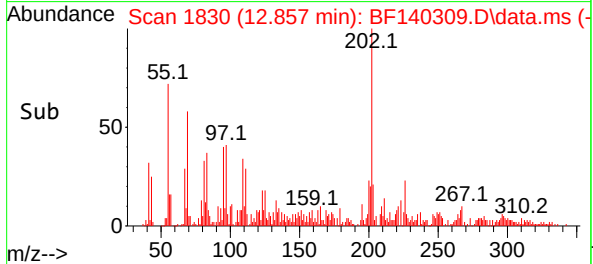
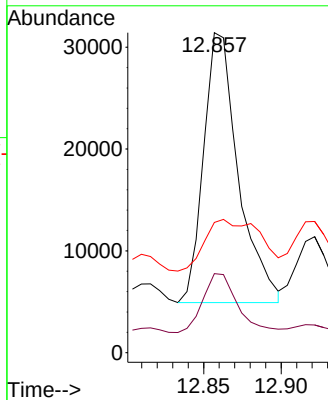
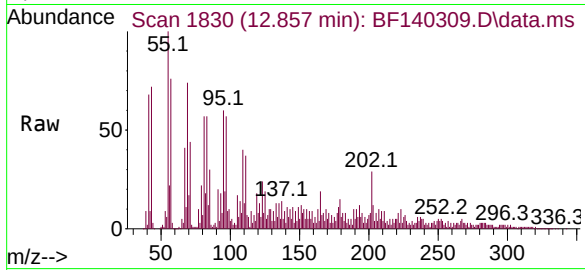




#78
Pyrene
Concen: 2.649 ng
RT: 12.857 min Scan# 1829
Delta R.T. 0.006 min
Lab File: BF140309.D
Acq: 08 Nov 2024 19:48

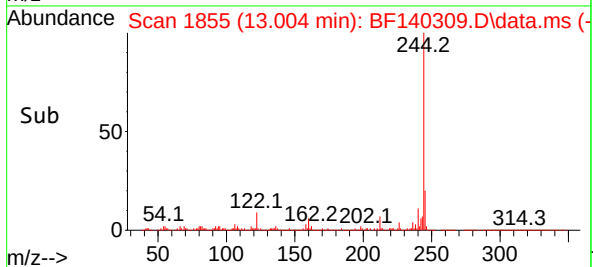
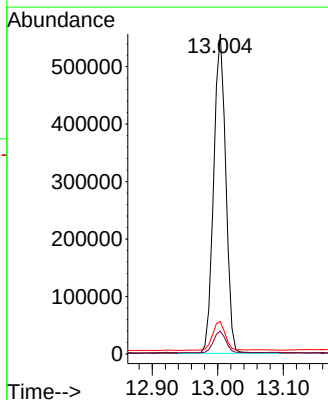
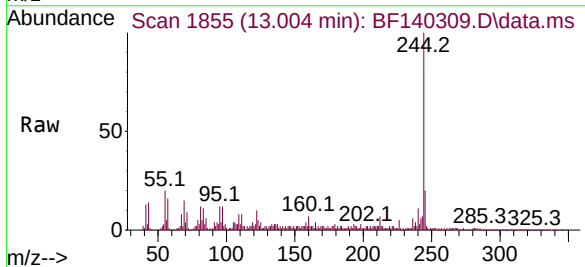
Instrument :
BNA_F
ClientSampleId :
B-3-1

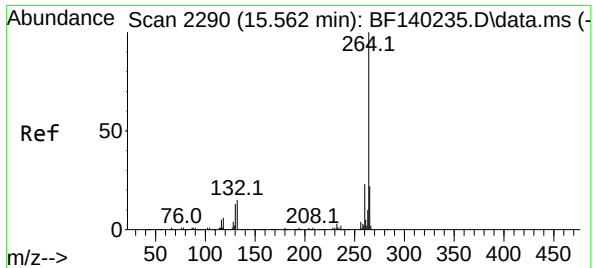
Tgt Ion:202 Resp: 41383
Ion Ratio Lower Upper
202 100
200 24.7 17.5 26.3
203 40.7 14.4 21.6#



#79
Terphenyl-d14
Concen: 61.457 ng
RT: 13.004 min Scan# 1855
Delta R.T. 0.006 min
Lab File: BF140309.D
Acq: 08 Nov 2024 19:48

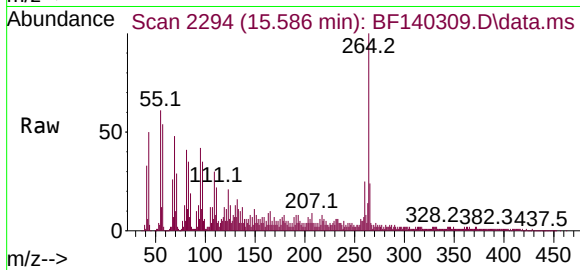
Tgt Ion:244 Resp: 709772
Ion Ratio Lower Upper
244 100
212 7.2 6.0 9.0
122 10.1 7.6 11.4



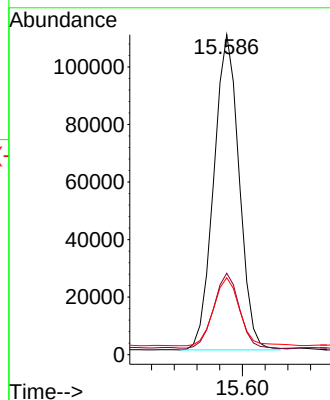
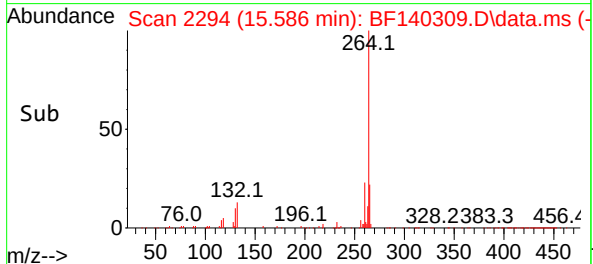


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.586 min Scan# 21
Delta R.T. 0.024 min
Lab File: BF140309.D
Acq: 08 Nov 2024 19:48

Instrument :
BNA_F
ClientSampleId :
B-3-1



Tgt Ion:264 Resp: 170096
Ion Ratio Lower Upper
264 100
260 25.4 18.8 28.2
265 24.1 17.3 25.9



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
 Data File : BF140309.D
 Acq On : 08 Nov 2024 19:48
 Operator : RC/JU
 Sample : P4768-01
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-3-1

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF140309.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.128	3	6	19	rVB	1078090	1517735	75.98%	7.239%
2	2.234	19	24	36	rVB2	35385	64064	3.21%	0.306%
3	4.546	410	417	426	rVB3	23567	45914	2.30%	0.219%
4	5.016	490	497	505	rBV6	17701	45588	2.28%	0.217%
5	5.093	505	510	516	rBV2	144276	224883	11.26%	1.073%
6	5.299	538	545	549	rBV	48975	76285	3.82%	0.364%
7	5.493	570	578	588	rVB	1445912	1952213	97.73%	9.311%
8	5.575	588	592	596	rBV	34133	45665	2.29%	0.218%
9	5.657	601	606	611	rVV4	43922	83591	4.18%	0.399%
10	5.734	615	619	625	rBV3	33656	57676	2.89%	0.275%
11	5.804	625	631	637	rVB3	61392	122697	6.14%	0.585%
12	5.893	641	646	652	rBV4	85754	142869	7.15%	0.681%
13	5.951	652	656	659	rBV3	21627	37566	1.88%	0.179%
14	6.040	667	671	674	rVB3	34086	48887	2.45%	0.233%
15	6.081	674	678	681	rBV3	31742	53319	2.67%	0.254%
16	6.151	684	690	693	rVV5	38252	69558	3.48%	0.332%
17	6.222	698	702	708	rVB5	29972	74784	3.74%	0.357%
18	6.316	713	718	722	rBV3	51260	89985	4.50%	0.429%
19	6.357	722	725	730	rVB5	31798	47211	2.36%	0.225%
20	6.416	730	735	744	rBV2	224893	362559	18.15%	1.729%
21	6.498	744	749	756	rBV	1428290	1997474	100.00%	9.527%
22	6.551	756	758	761	rVV2	76734	77509	3.88%	0.370%
23	6.581	761	763	766	rVB	42360	39614	1.98%	0.189%
24	6.628	767	771	774	rBV	61117	89900	4.50%	0.429%
25	6.657	774	776	782	rVB6	78582	103554	5.18%	0.494%
26	6.716	782	786	788	rBV2	57759	85081	4.26%	0.406%
27	6.793	793	799	802	rBV5	38291	80097	4.01%	0.382%
28	6.840	802	807	809	rBV5	76772	112614	5.64%	0.537%
29	6.875	809	813	819	rVB	558815	751543	37.62%	3.585%
30	6.969	826	829	834	rBV3	61256	87662	4.39%	0.418%
31	7.016	834	837	841	rVB3	50068	58557	2.93%	0.279%
32	7.145	855	859	864	rVB2	153935	208423	10.43%	0.994%
33	7.269	878	880	883	rBV	38066	41682	2.09%	0.199%
34	7.304	883	886	891	rVB2	85759	125534	6.28%	0.599%
35	7.351	891	894	898	rBV3	36293	49114	2.46%	0.234%
36	7.404	898	903	904	rBV3	134527	190181	9.52%	0.907%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140309.D
Acq On : 08 Nov 2024 19:48
Operator : RC/JU
Sample : P4768-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-3-1

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	7.434	904	908	913	rVB	839296	1074246	53.78%	5.124%
38	7.516	918	922	926	rVB4	138414	199194	9.97%	0.950%
39	7.569	926	931	934	rBV5	60027	111199	5.57%	0.530%
40	7.657	942	946	948	rBV2	74478	101396	5.08%	0.484%
41	7.681	948	950	956	rVB2	147453	177547	8.89%	0.847%
42	7.751	959	962	966	rVB4	69789	88741	4.44%	0.423%
43	7.798	966	970	974	rBV3	161176	188987	9.46%	0.901%
44	7.981	998	1001	1005	rVB3	44920	61202	3.06%	0.292%
45	8.034	1006	1010	1012	rBV3	81396	113023	5.66%	0.539%
46	8.157	1025	1031	1037	rBV	679040	945635	47.34%	4.510%
47	8.210	1038	1040	1043	rVV	118283	129749	6.50%	0.619%
48	8.245	1043	1046	1053	rVB6	83948	129060	6.46%	0.616%
49	8.363	1062	1066	1073	rVB3	141655	225519	11.29%	1.076%
50	8.445	1074	1080	1086	rBV9	100089	240507	12.04%	1.147%
51	8.498	1087	1089	1092	rVV3	41026	44118	2.21%	0.210%
52	8.598	1103	1106	1114	rVB4	105002	203470	10.19%	0.970%
53	8.663	1114	1117	1119	rBV	41802	41413	2.07%	0.198%
54	8.698	1119	1123	1128	rBV2	87042	132638	6.64%	0.633%
55	8.839	1144	1147	1152	rVB2	111709	159654	7.99%	0.761%
56	9.034	1177	1180	1184	rBV5	46199	63070	3.16%	0.301%
57	9.234	1209	1214	1219	rBV	1582755	1958981	98.07%	9.344%
58	9.316	1224	1228	1232	rBV2	62068	90441	4.53%	0.431%
59	9.916	1325	1330	1334	rVB	660871	818146	40.96%	3.902%
60	10.322	1396	1399	1405	rBV3	44744	67238	3.37%	0.321%
61	10.628	1447	1451	1456	rBV	314970	392782	19.66%	1.873%
62	10.704	1459	1464	1470	rBV	881551	1156215	57.88%	5.515%
63	11.410	1579	1584	1591	rBV	659798	996757	49.90%	4.754%
64	13.004	1851	1855	1862	rBV	1283786	1793539	89.79%	8.554%

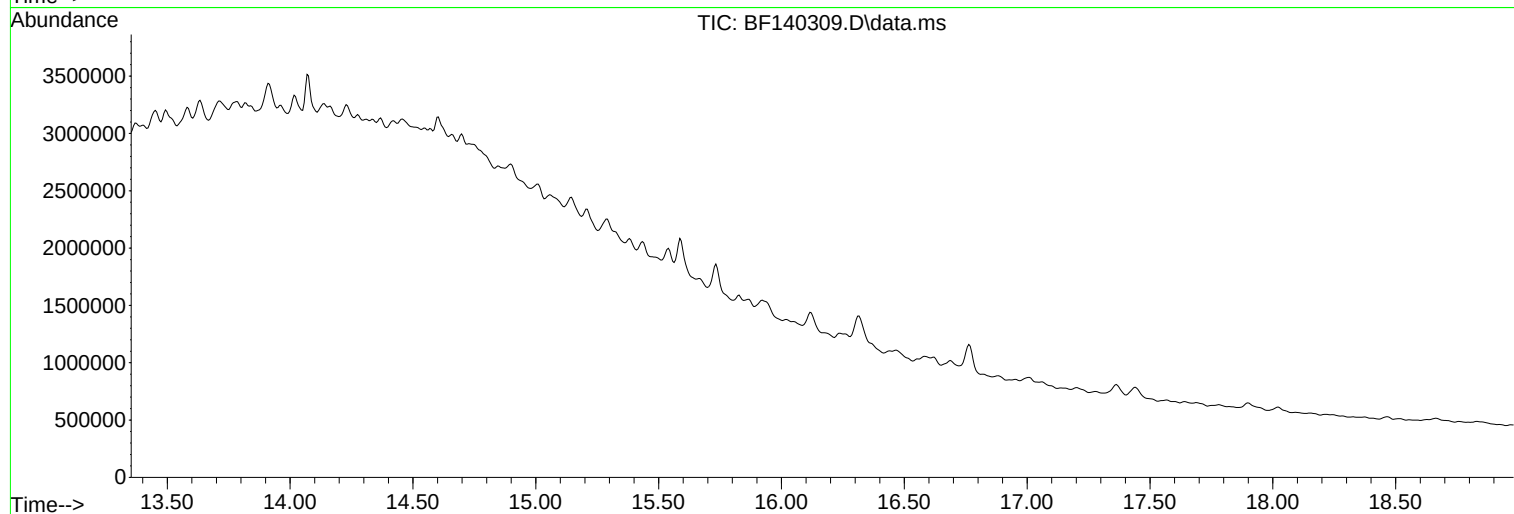
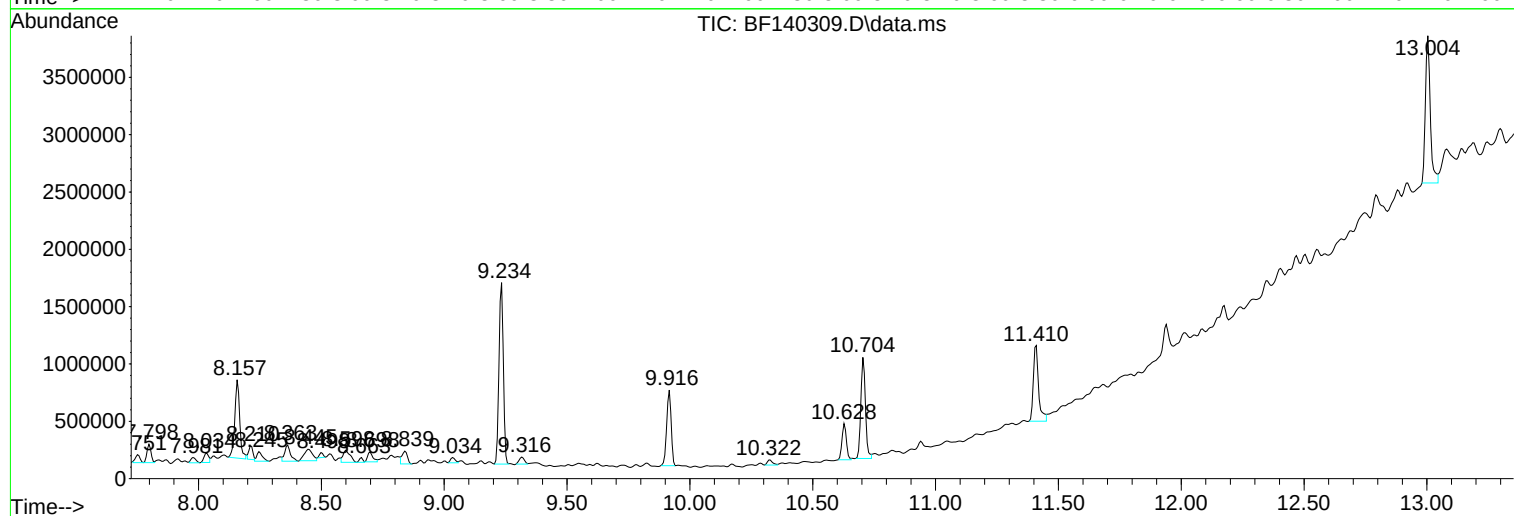
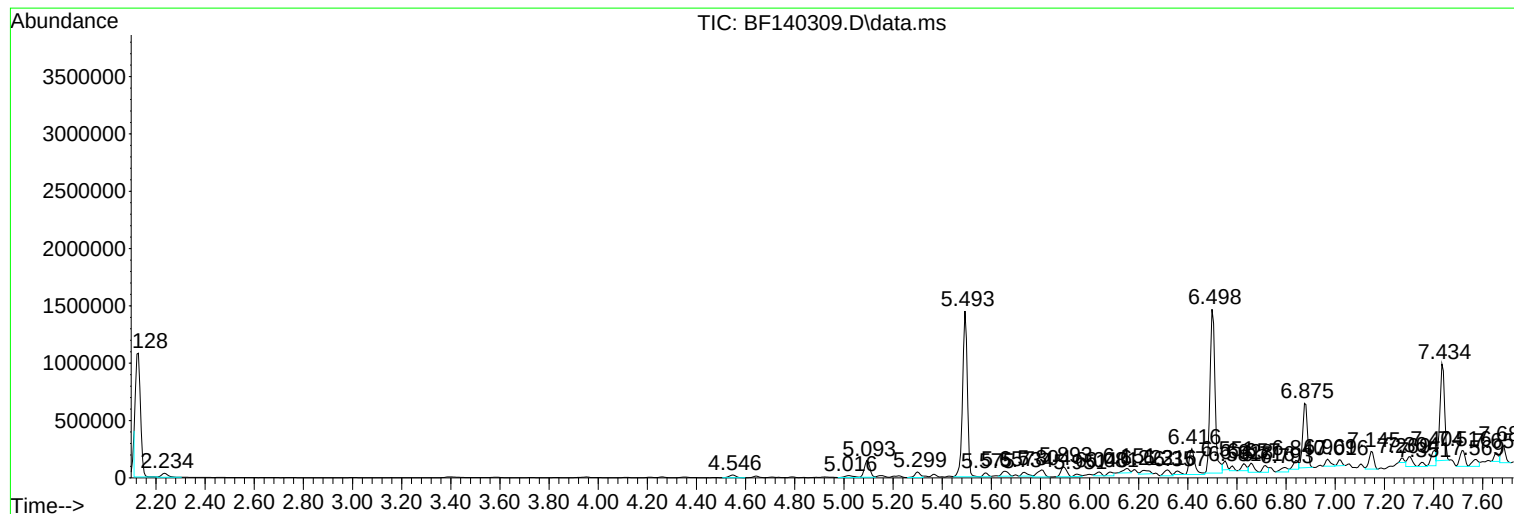
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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140309.D
Acq On : 08 Nov 2024 19:48
Operator : RC/JU
Sample : P4768-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-3-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140309.D
Acq On : 08 Nov 2024 19:48
Operator : RC/JU
Sample : P4768-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-3-1

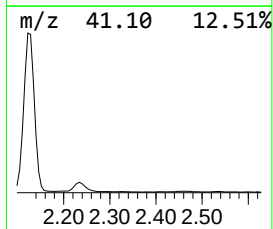
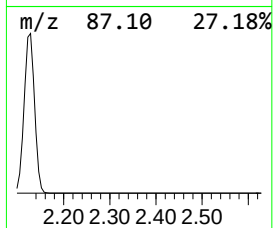
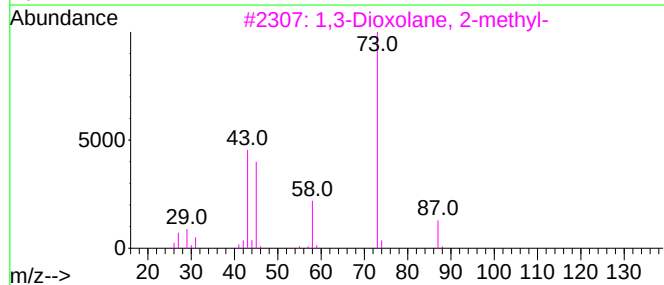
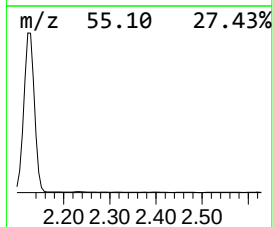
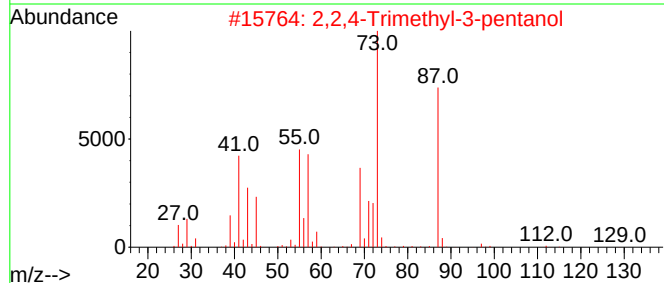
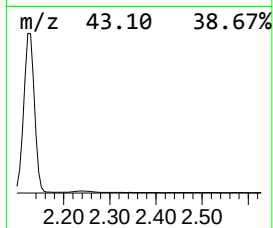
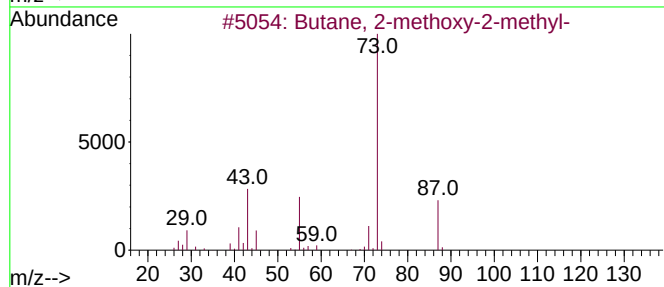
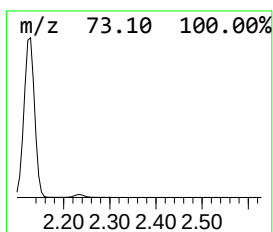
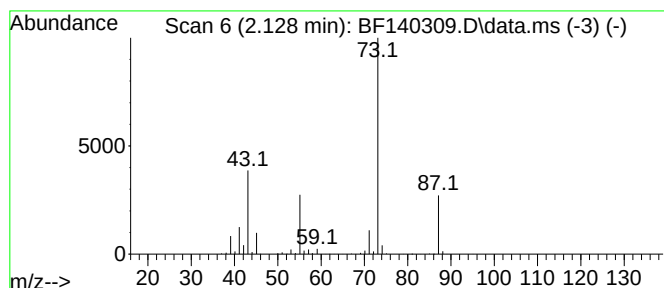
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.128	40.39 ng	1517740	1,4-Dichlorobenzene-d4	6.881

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3			1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
4			Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12
5			Silane, tetramethyl-	88	C4H12Si	000075-76-3	12



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140309.D
Acq On : 08 Nov 2024 19:48
Operator : RC/JU
Sample : P4768-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-3-1

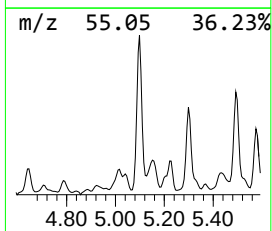
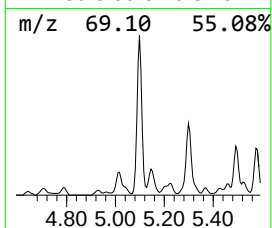
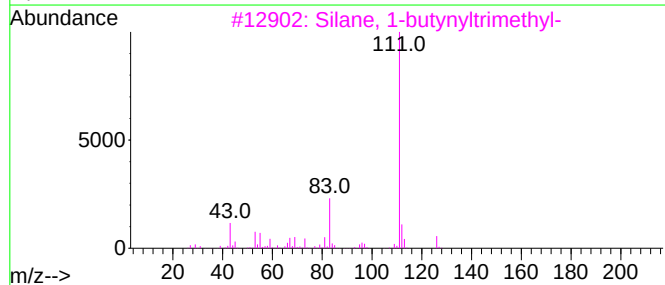
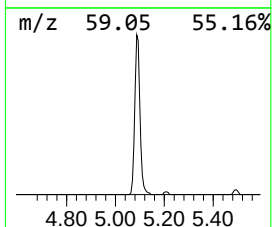
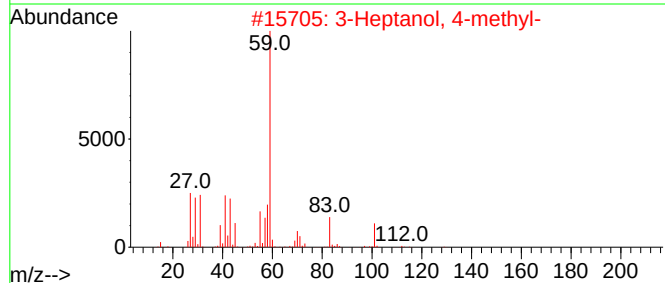
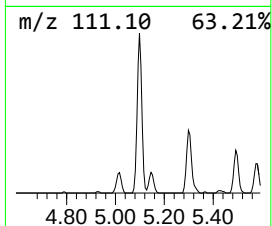
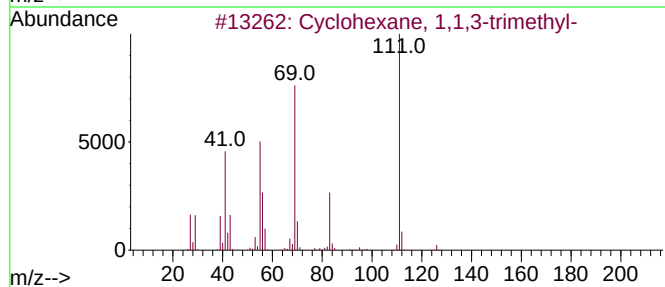
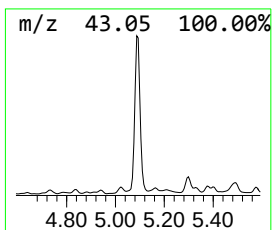
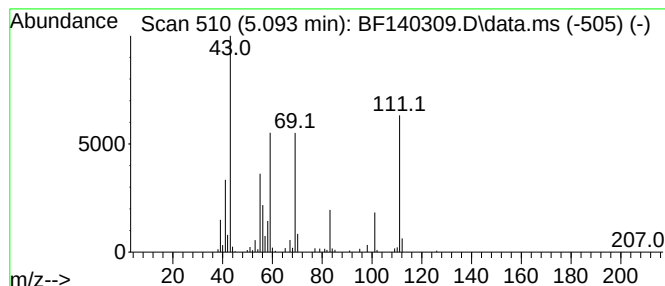
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown5.093 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.093	5.98 ng	224883	1,4-Dichlorobenzene-d4	6.881

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	46
2			3-Heptanol, 4-methyl-	130	C8H18O	014979-39-6	35
3			Silane, 1-butylnyltrimethyl-	126	C7H14Si	062108-37-6	27
4			3-Octanol	130	C8H18O	000589-98-0	27
5			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	22



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140309.D
Acq On : 08 Nov 2024 19:48
Operator : RC/JU
Sample : P4768-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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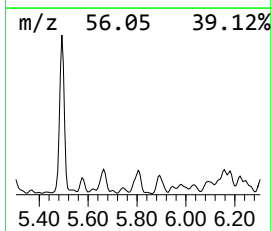
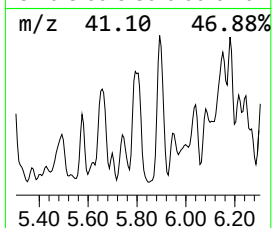
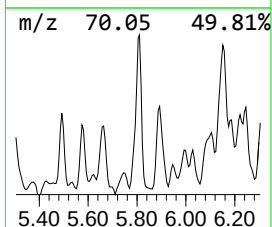
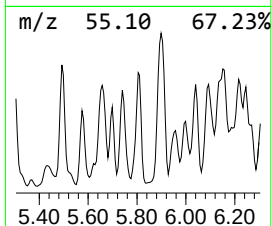
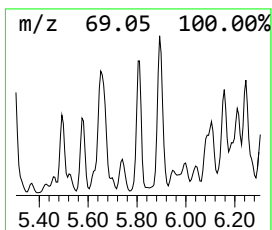
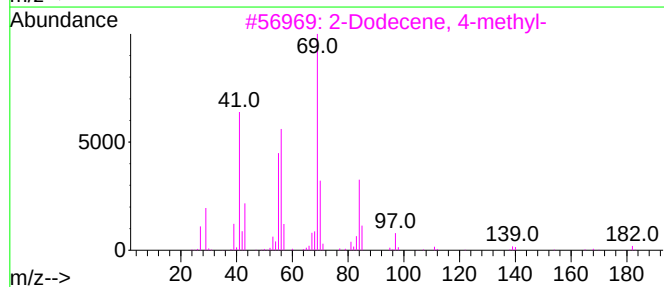
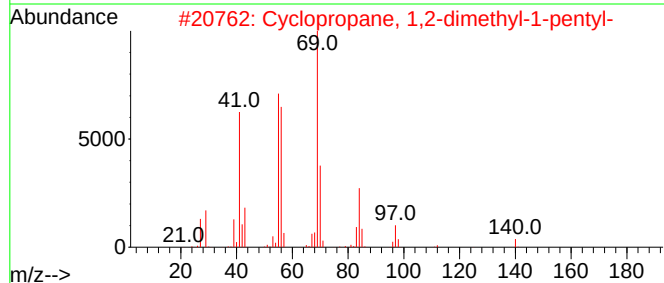
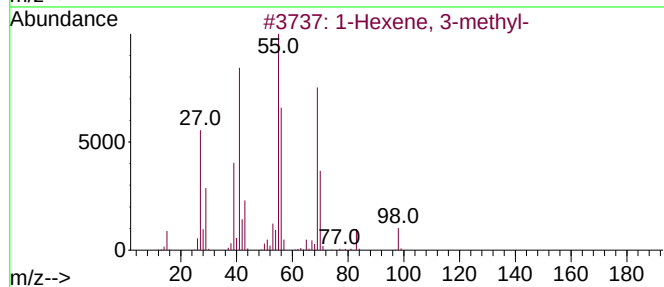
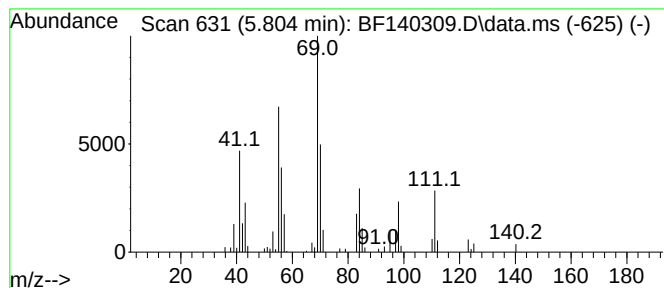
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 1-Hexene, 3-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.804	3.27 ng	122697	1,4-Dichlorobenzene-d4	6.881

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Hexene, 3-methyl-	98	C7H14	003404-61-3	58
2			Cyclopropane, 1,2-dimethyl-1-pen...	140	C10H20	062238-04-4	58
3			2-Dodecene, 4-methyl-	182	C13H26	056851-45-7	53
4			2-Undecene, 4-methyl-	168	C12H24	091695-32-8	53
5			Cyclopropane, 1,1-diethyl-	98	C7H14	001003-19-6	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140309.D
Acq On : 08 Nov 2024 19:48
Operator : RC/JU
Sample : P4768-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-3-1

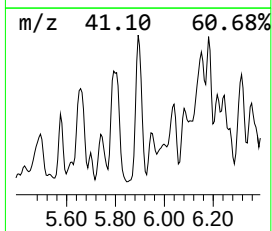
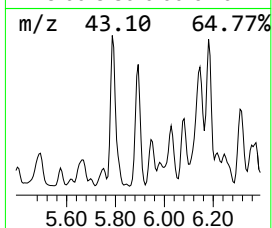
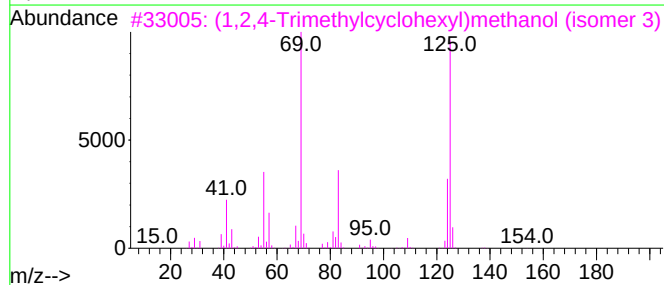
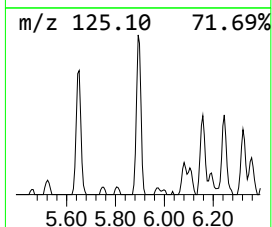
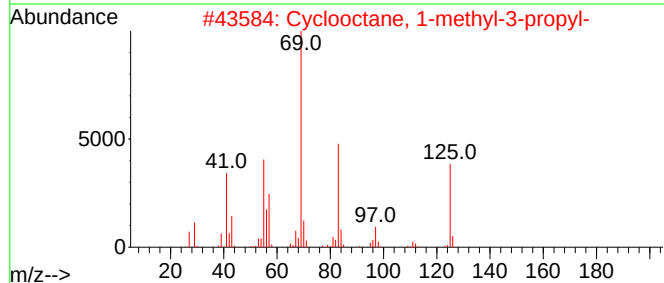
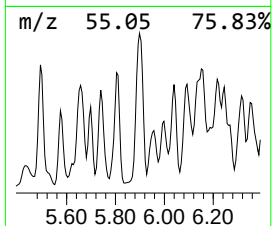
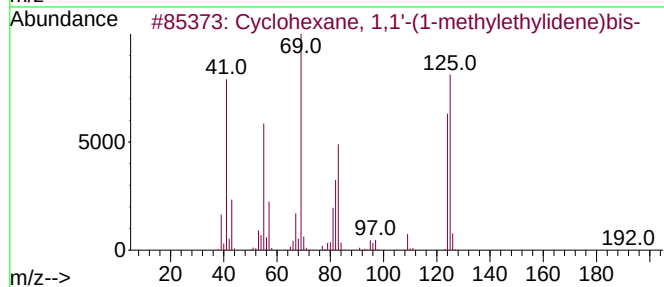
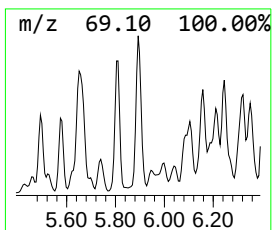
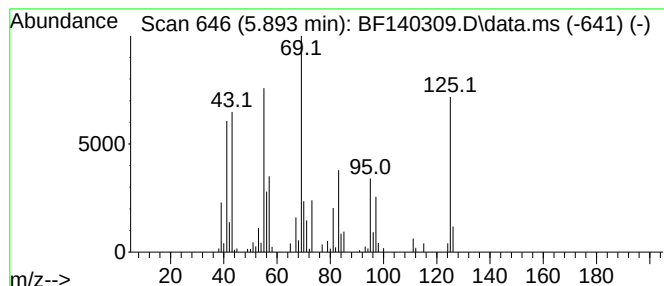
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Cyclohexane, 1,1'-(1-methyl... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.893	3.80 ng	142869	1,4-Dichlorobenzene-d4	6.881

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1'-(1-methylethyl...	208	C15H28	054934-90-6	50
2			Cyclooctane, 1-methyl-3-propyl-	168	C12H24	255885-37-1	50
3			(1,2,4-Trimethylcyclohexyl)metha...	156	C10H20O	1000499-04-0	47
4			Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	47
5			Cyclopentaneethanol, .beta.,2,3-...	156	C10H20O	021721-18-6	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140309.D
Acq On : 08 Nov 2024 19:48
Operator : RC/JU
Sample : P4768-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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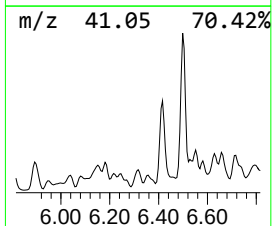
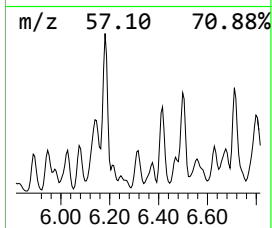
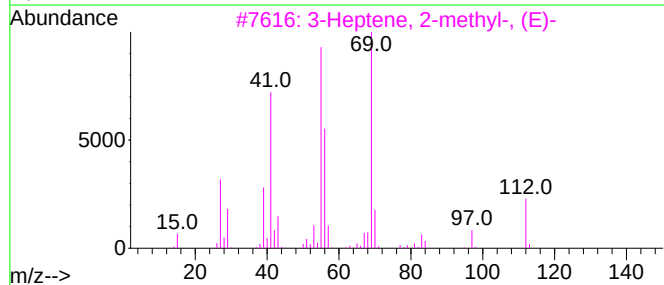
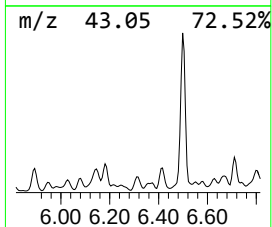
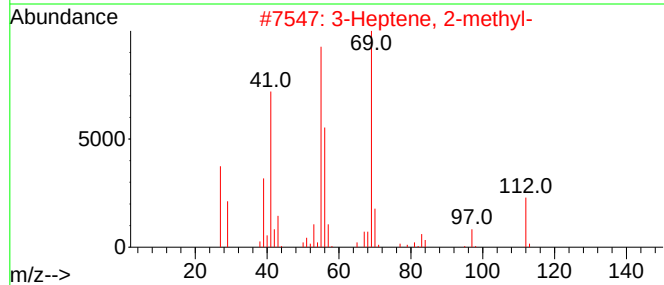
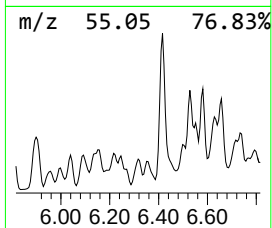
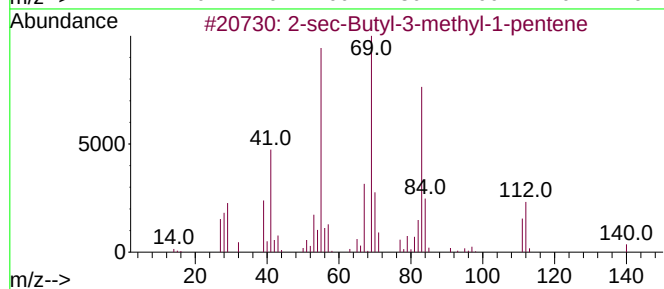
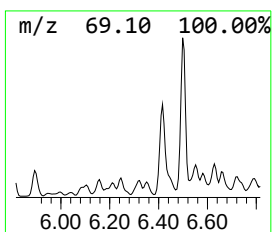
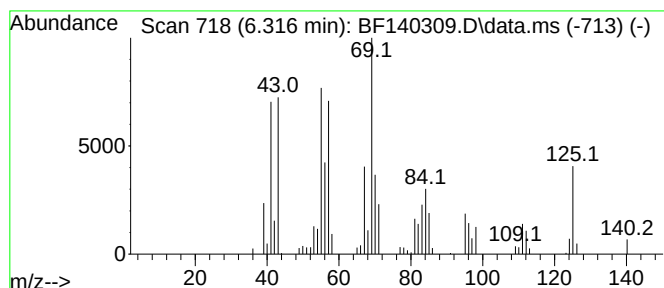
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 2-sec-Butyl-3-methyl-1-pentene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.316	2.39 ng	89985	1,4-Dichlorobenzene-d4	6.881

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-sec-Butyl-3-methyl-1-pentene	140	C10H20	075144-24-0	53
2			3-Heptene, 2-methyl-	112	C8H16	017618-76-7	43
3			3-Heptene, 2-methyl-, (E)-	112	C8H16	000692-96-6	43
4			3-Hexene, 2-methyl-, (Z)-	98	C7H14	015840-60-5	43
5			Pentane, 3-methylene-	84	C6H12	000760-21-4	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140309.D
Acq On : 08 Nov 2024 19:48
Operator : RC/JU
Sample : P4768-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-3-1

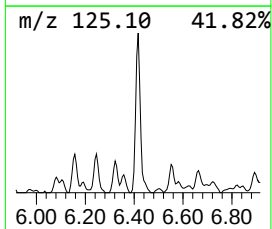
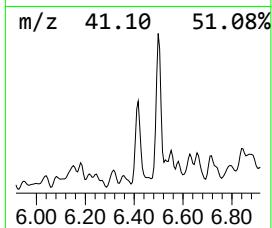
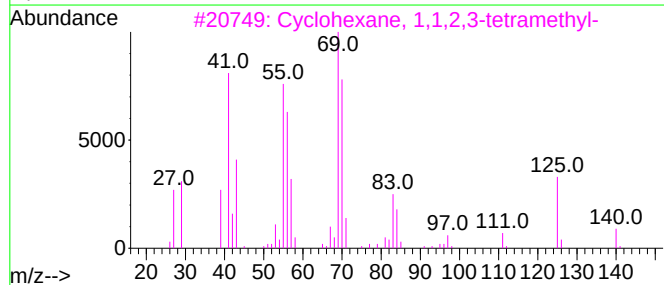
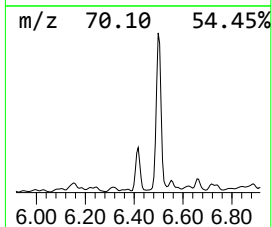
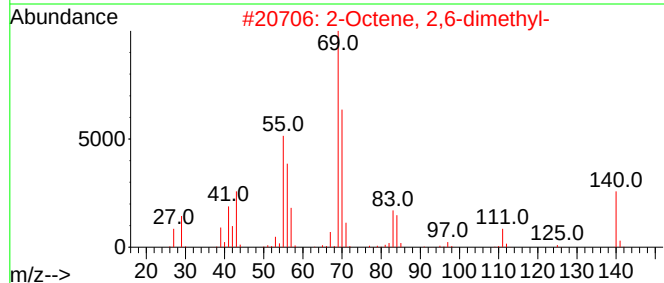
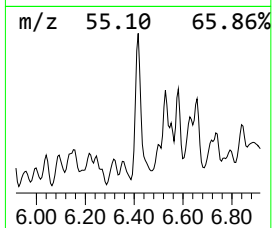
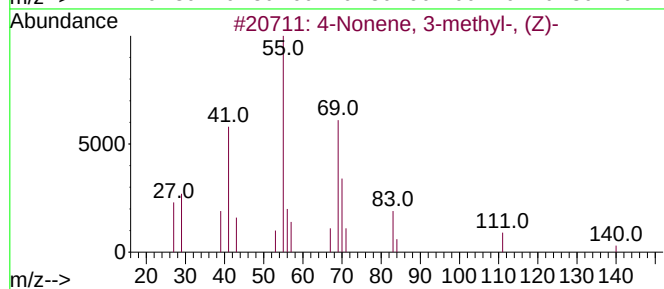
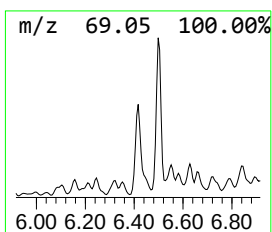
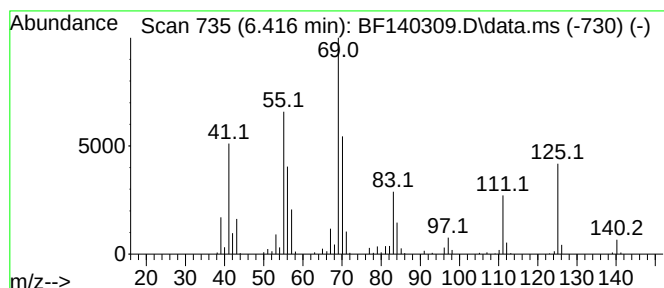
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 6 4-Nonene, 3-methyl-, (Z)- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
6.416	9.65 ng	362559	1,4-Dichlorobenzene-d4	6.881	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Nonene, 3-methyl-, (Z)-	140	C10H20	063830-69-3	59
2	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	58
3	Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	55
4	1-Hexene, 3,3,5-trimethyl-	126	C9H18	013427-43-5	53
5	4-Octene, 2,6-dimethyl-, [S-(E)]-	140	C10H20	062960-76-3	52



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140309.D
Acq On : 08 Nov 2024 19:48
Operator : RC/JU
Sample : P4768-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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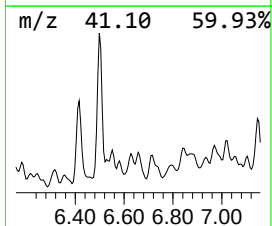
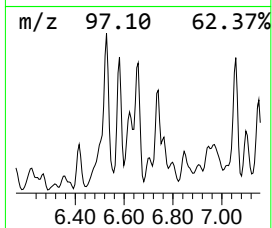
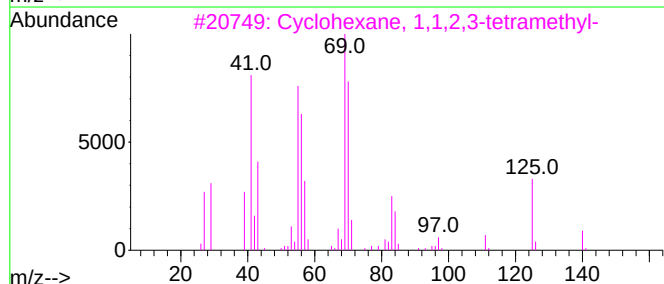
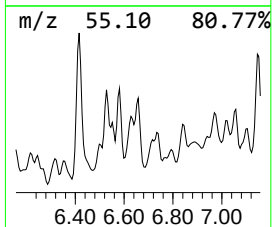
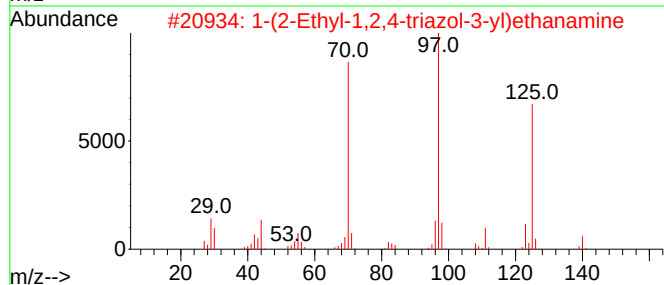
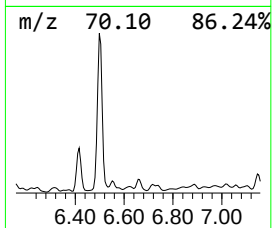
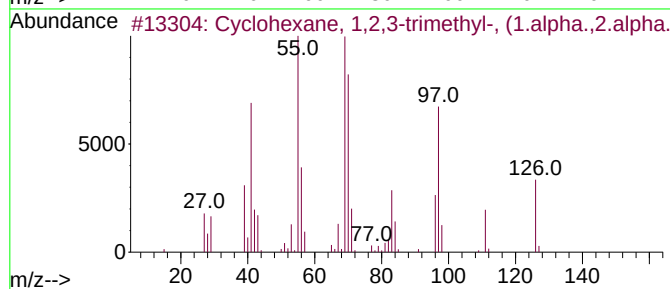
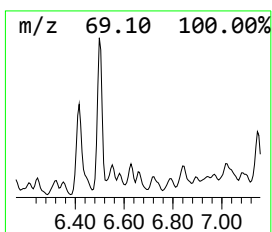
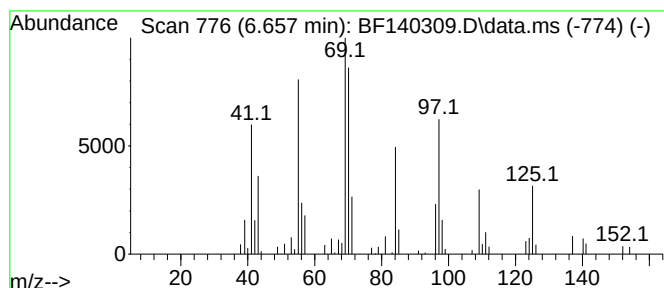
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Cyclohexane, 1,2,3-trimethy... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.657	2.76 ng	103554	1,4-Dichlorobenzene-d4	6.881

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001839-88-9	64
2			1-(2-Ethyl-1,2,4-triazol-3-yl)et...	140	C6H12N4	1015846-51-1	38
3			Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	38
4			1,3-Cyclohexanedione, 2,2-dimethyl-	140	C8H12O2	000562-13-0	35
5			2-Pentene, 3-methyl-	84	C6H12	000922-61-2	27



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140309.D
Acq On : 08 Nov 2024 19:48
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Sample : P4768-01
Misc :
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Instrument :
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ClientSampleId :
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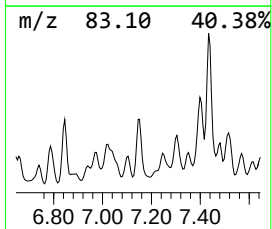
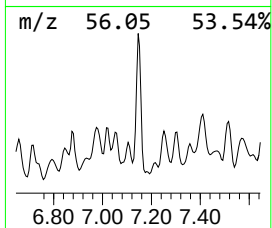
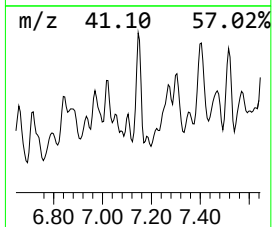
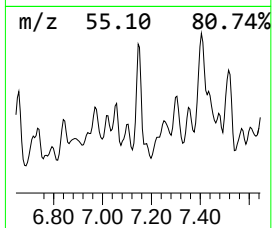
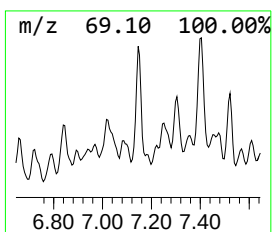
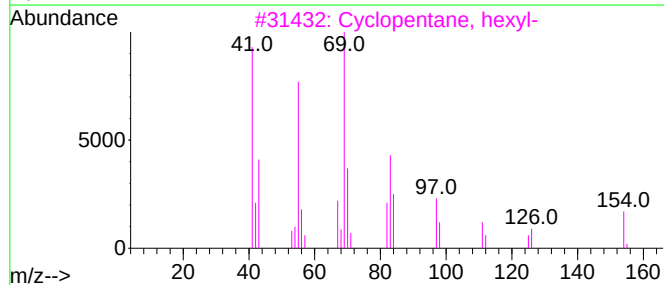
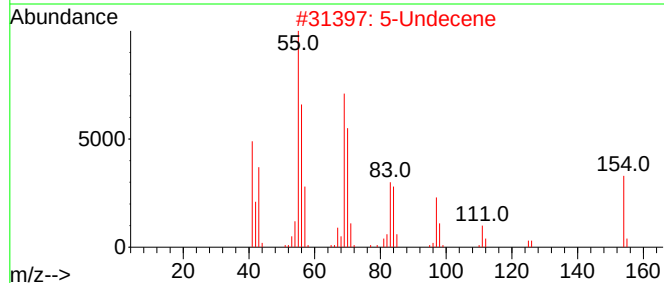
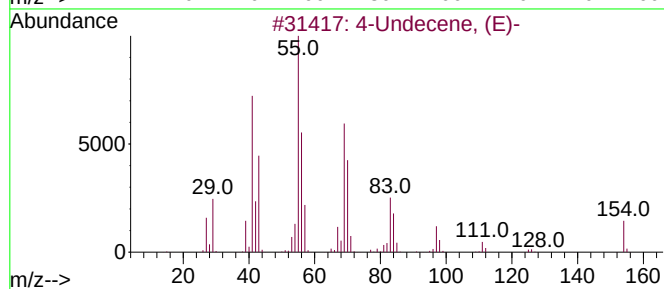
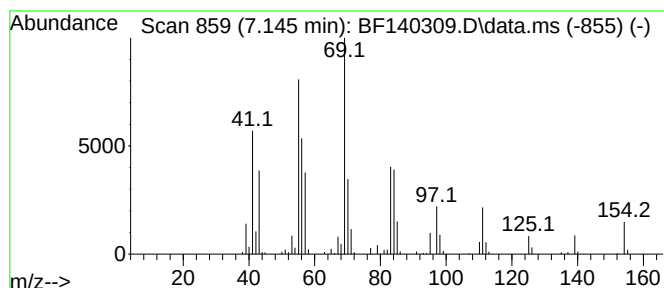
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 4-Undecene, (E)- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.145	5.55 ng	208423	1,4-Dichlorobenzene-d4	6.881

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		4-Undecene, (E)-	154	C11H22	000693-62-9	74
2		5-Undecene	154	C11H22	004941-53-1	72
3		Cyclopentane, hexyl-	154	C11H22	004457-00-5	53
4		Cyclohexanone, 5-methyl-2-(1-met...	154	C10H18O	010458-14-7	52
5		4-Octene, 2,3,6-trimethyl-	154	C11H22	063830-65-9	46



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140309.D
Acq On : 08 Nov 2024 19:48
Operator : RC/JU
Sample : P4768-01
Misc :
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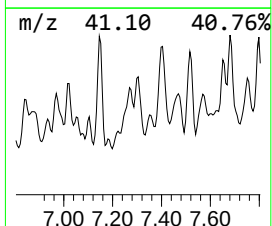
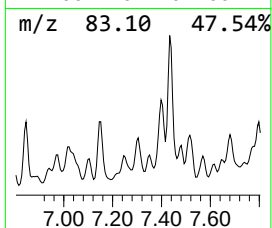
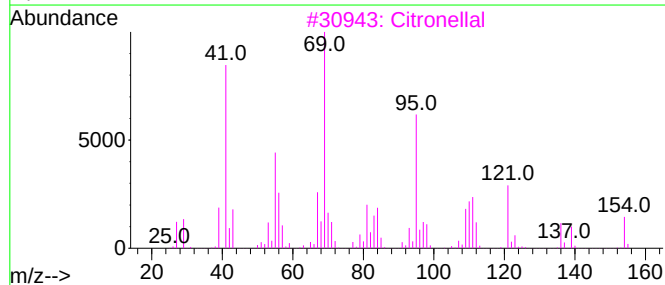
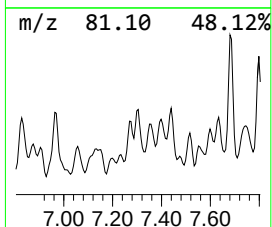
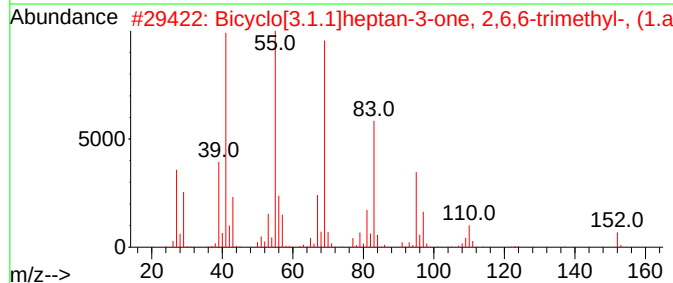
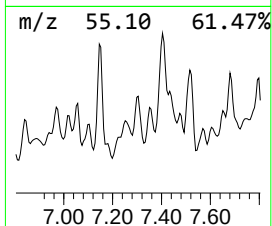
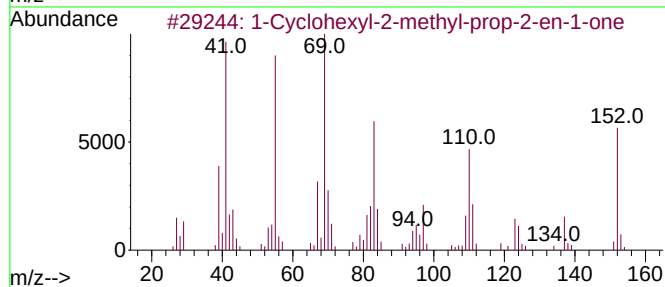
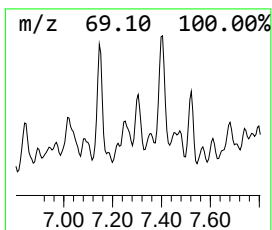
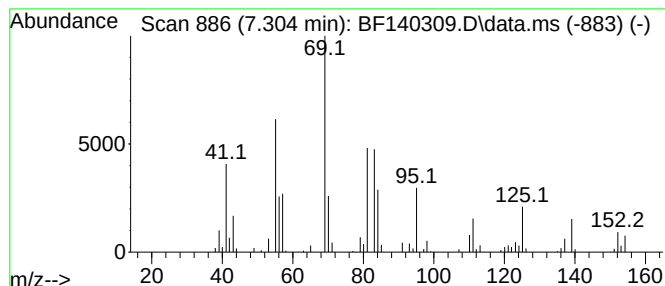
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 1-Cyclohexyl-2-methyl-prop-... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.304	3.34 ng	125534	1,4-Dichlorobenzene-d4	6.881

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Cyclohexyl-2-methyl-prop-2-en-...	152	C10H16O	025183-82-8	53		
2	Bicyclo[3.1.1]heptan-3-one, 2,6,...	152	C10H16O	015358-88-0	47		
3	Citronellal	154	C10H18O	000106-23-0	43		
4	Heptane, 2-methyl-3-methylene-	126	C9H18	062187-11-5	43		
5	Cyclohexane, 1-ethyl-2-propyl-	154	C11H22	062238-33-9	43		



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140309.D
Acq On : 08 Nov 2024 19:48
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Sample : P4768-01
Misc :
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Instrument :
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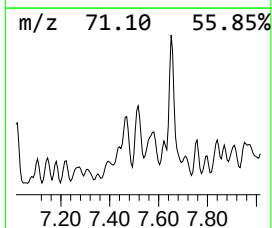
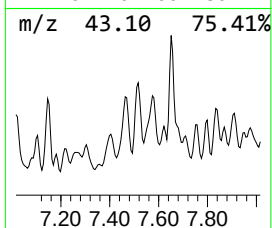
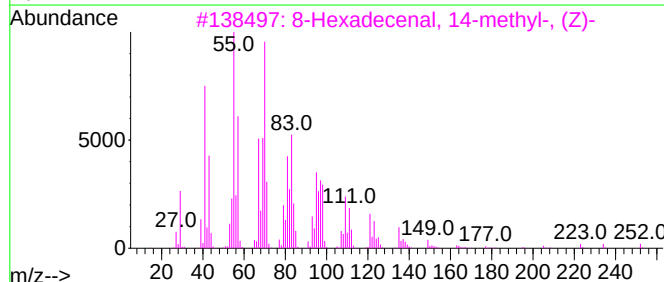
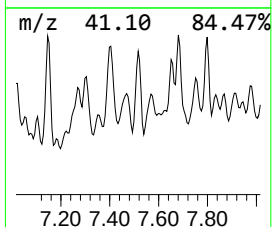
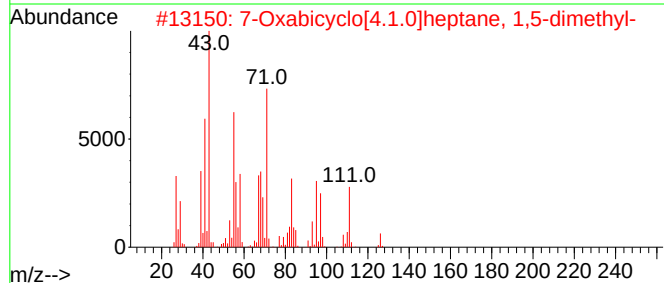
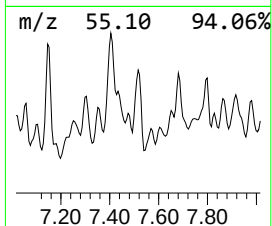
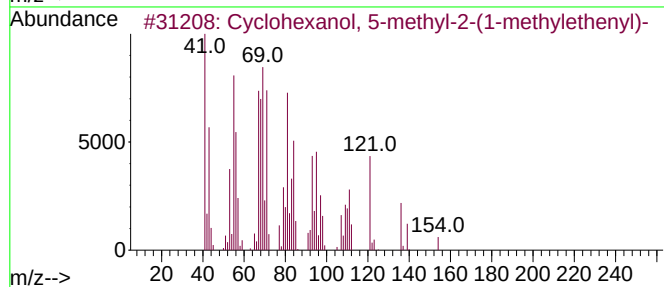
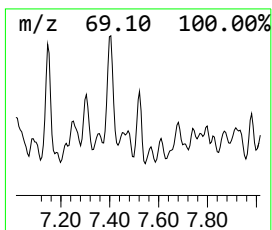
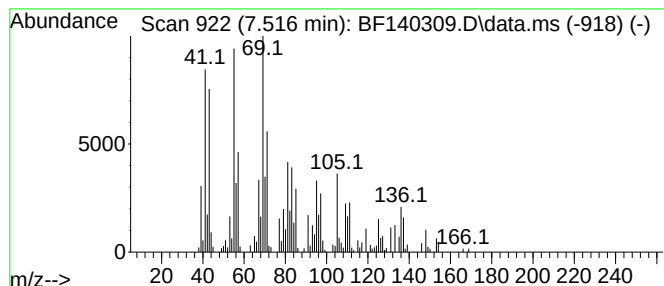
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 unknown7.516 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.516	5.30 ng	199194	1,4-Dichlorobenzene-d4	6.881

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexanol, 5-methyl-2-(1-meth...	154	C10H18O	007786-67-6	45
2			7-Oxabicyclo[4.1.0]heptane, 1,5-...	126	C8H14O	162239-52-3	42
3			8-Hexadecenal, 14-methyl-, (Z)-	252	C17H32O	060609-53-2	25
4			2,6-Octadien-1-ol, 3,7-dimethyl-...	154	C10H18O	000106-25-2	18
5			Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	18



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140309.D
Acq On : 08 Nov 2024 19:48
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Misc :
ALS Vial : 25 Sample Multiplier: 1

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ClientSampleId :
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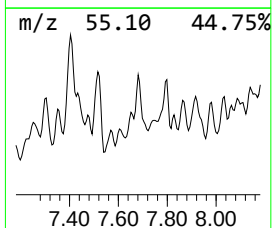
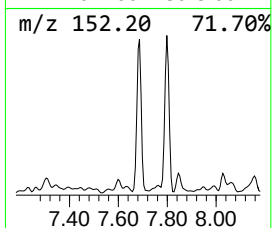
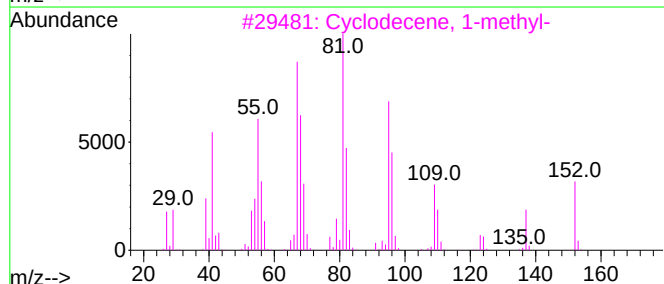
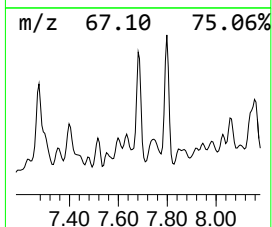
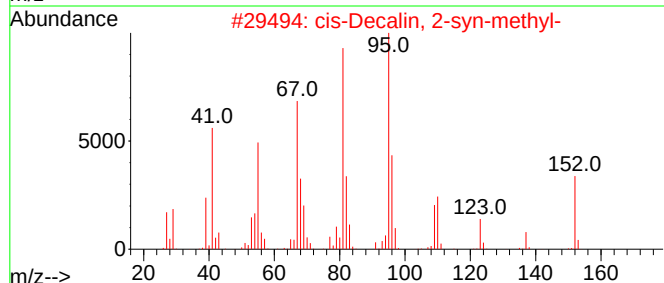
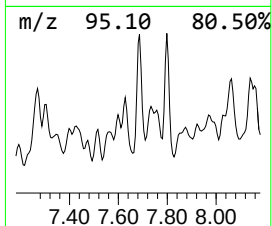
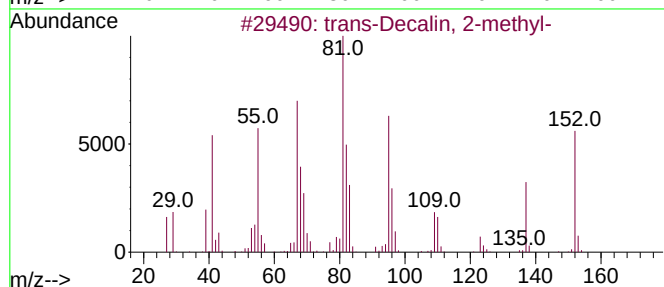
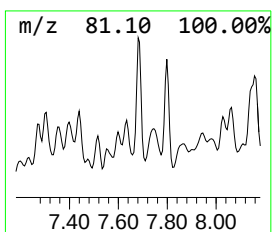
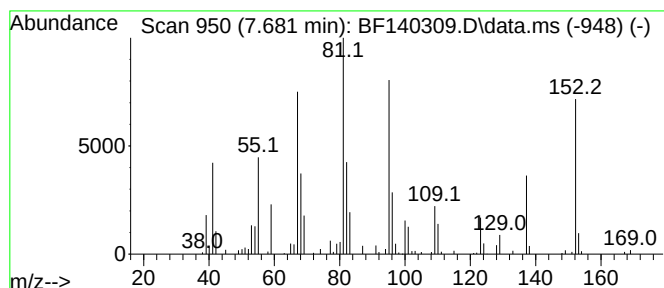
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 trans-Decalin, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.681	3.76 ng	177547	Naphthalene-d8	8.157

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	94
2			cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	80
3			Cyclodecene, 1-methyl-	152	C11H20	066633-38-3	80
4			Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	76
5			Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
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Misc :
ALS Vial : 25 Sample Multiplier: 1

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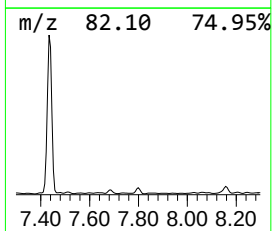
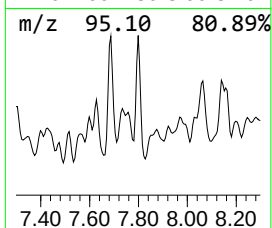
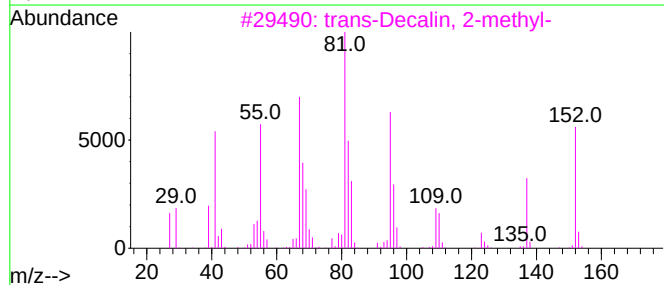
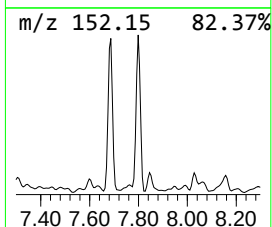
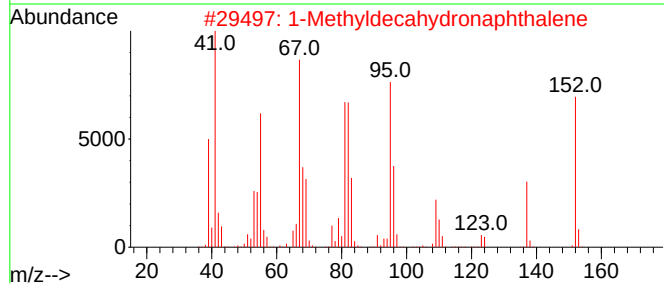
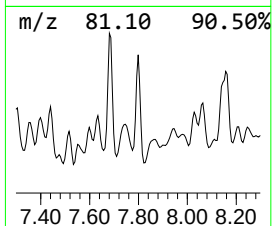
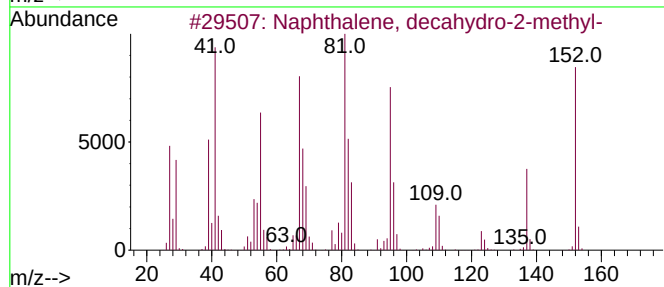
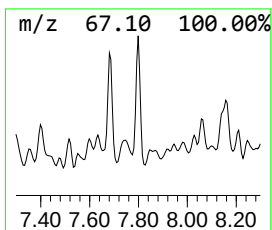
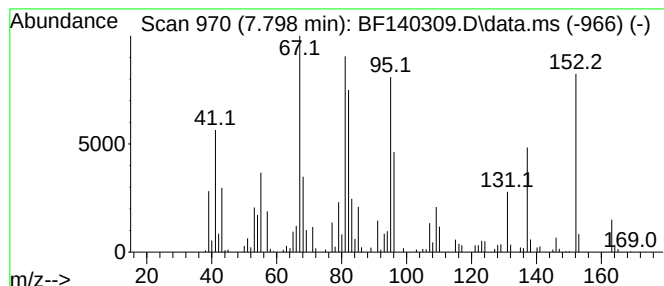
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 Naphthalene, decahydro-2-me... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.798	4.00 ng	188987	Naphthalene-d8	8.157

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	93
2		1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	93
3		trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	68
4		trans-4a-Methyl-decahydronaphtha...	152	C11H20	002547-27-5	64
5		4,5-Nonadiene, 2-methyl-	138	C10H18	055956-32-6	60



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140309.D
Acq On : 08 Nov 2024 19:48
Operator : RC/JU
Sample : P4768-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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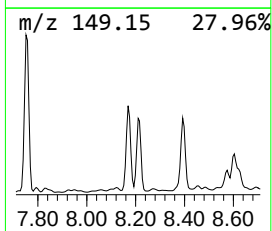
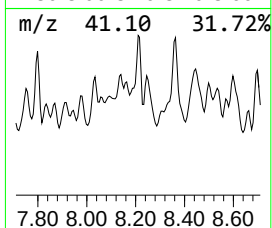
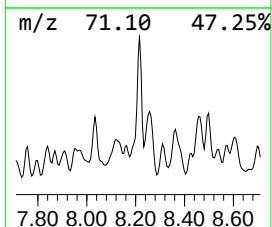
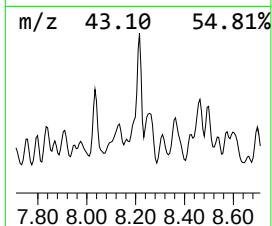
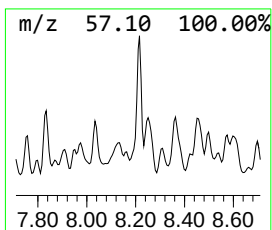
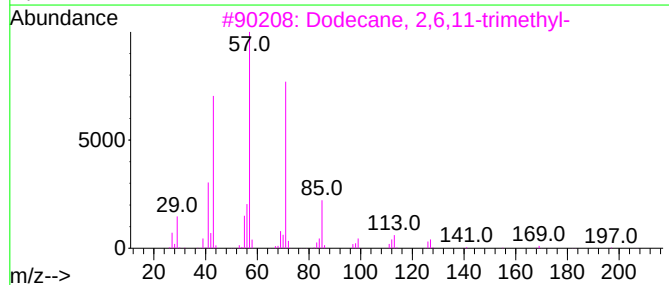
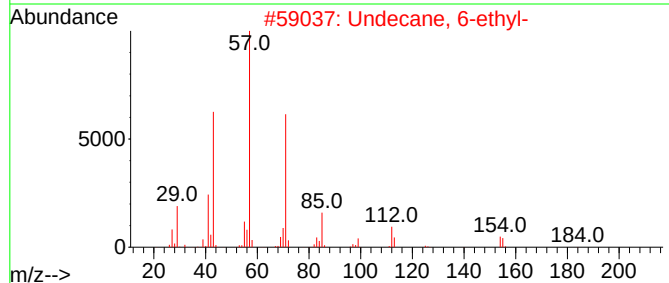
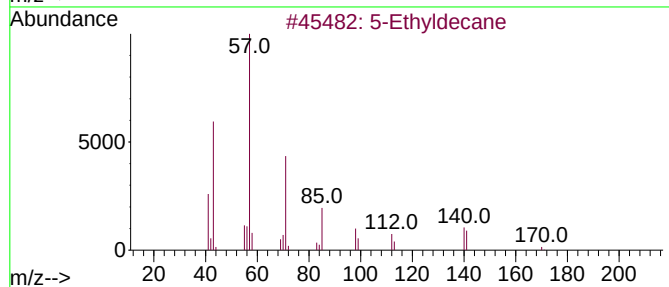
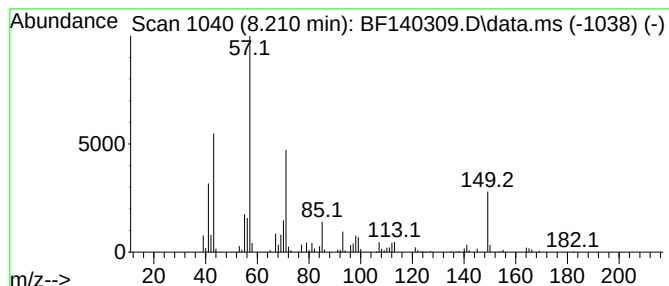
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 5-Ethyldecane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.210	2.74 ng	129749	Naphthalene-d8	8.157

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			5-Ethyldecane	170	C12H26	017302-36-2	53
2			Undecane, 6-ethyl-	184	C13H28	017312-60-6	50
3			Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	50
4			Heptadecane, 2,6-dimethyl-	268	C19H40	054105-67-8	50
5			Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	49



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140309.D
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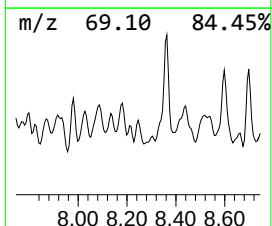
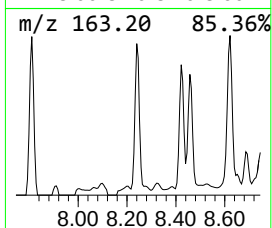
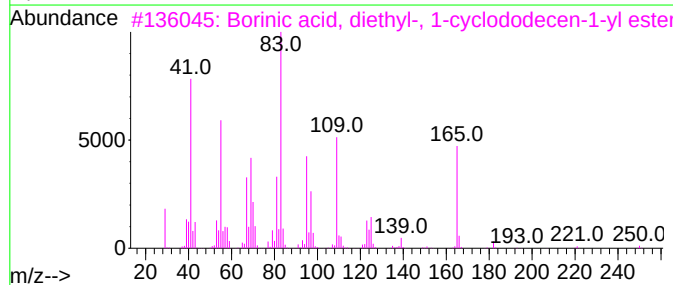
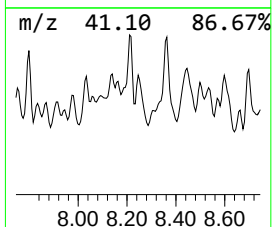
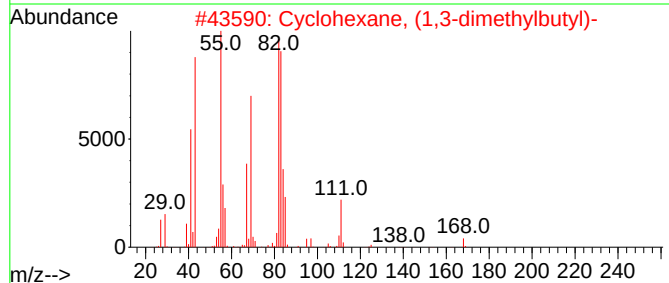
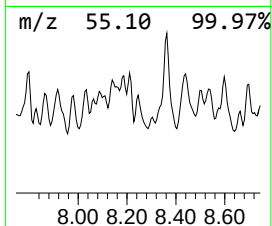
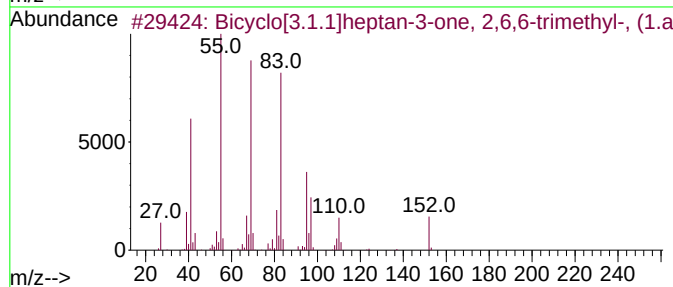
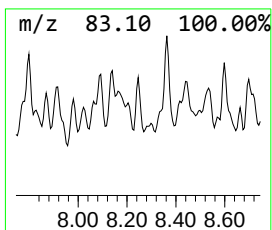
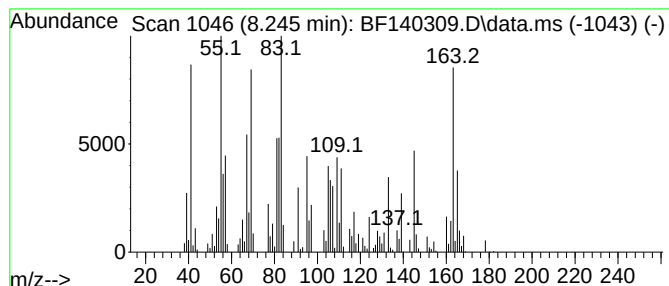
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 unknown8.245 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.245	2.73 ng	129060	Naphthalene-d8	8.157

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Bicyclo[3.1.1]heptan-3-one, 2,6,...	152	C10H16O	015358-88-0	35
2			Cyclohexane, (1,3-dimethylbutyl)-	168	C12H24	061142-19-6	30
3			Borinic acid, diethyl-, 1-cyclod...	250	C16H31BO	061142-73-2	27
4			Cyclohexane, 1,5-diethyl-2,3-dim...	168	C12H24	074663-66-4	27
5			(2,4-Dimethylcyclohexyl)methanol...	142	C9H18O	1000499-02-7	27



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140309.D
Acq On : 08 Nov 2024 19:48
Operator : RC/JU
Sample : P4768-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

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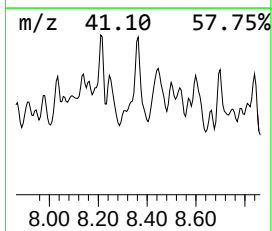
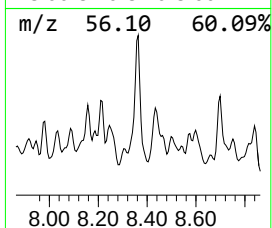
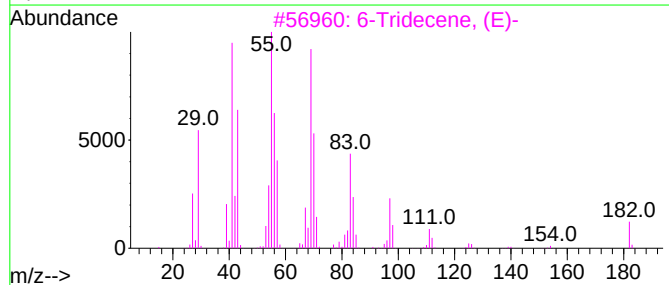
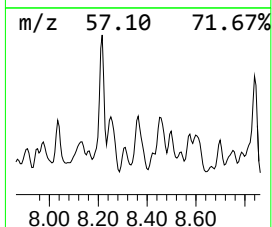
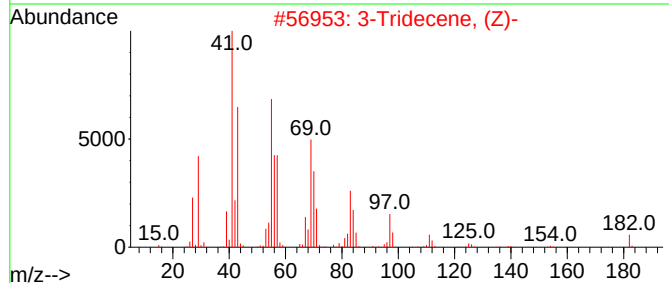
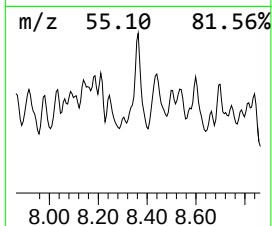
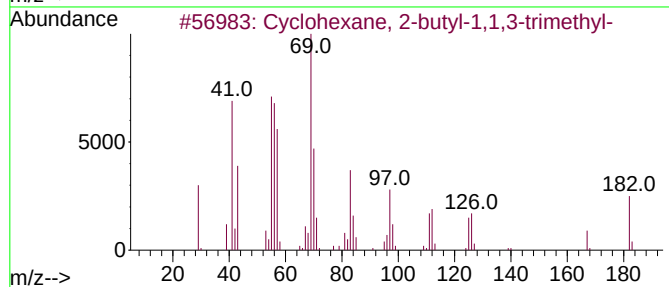
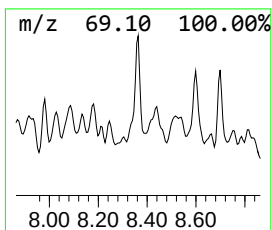
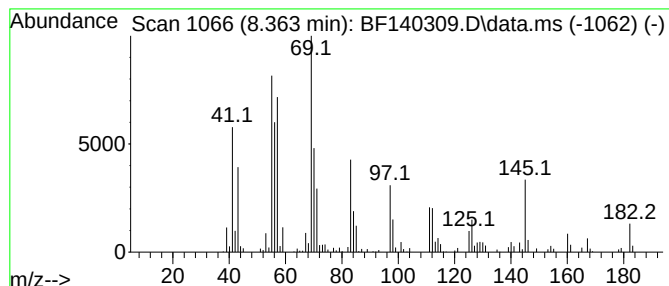
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 Cyclohexane, 2-butyl-1,1,3-... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.363	4.77 ng	225519	Naphthalene-d8	8.157

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 2-butyl-1,1,3-trime...	182	C13H26	054676-39-0	93
2		3-Tridecene, (Z)-	182	C13H26	041446-53-1	81
3		6-Tridecene, (E)-	182	C13H26	006434-76-0	76
4		3-Heptafluorobutyroxytridecane	396	C17H27F7O2	1000245-49-5	74
5		1-Hexene, 3-methyl-	98	C7H14	003404-61-3	55



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140309.D
Acq On : 08 Nov 2024 19:48
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Sample : P4768-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
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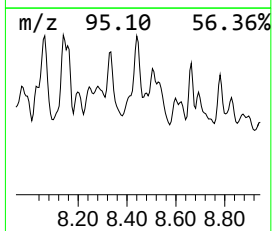
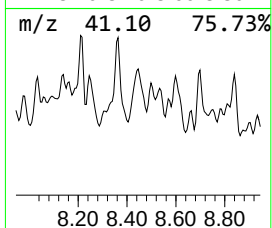
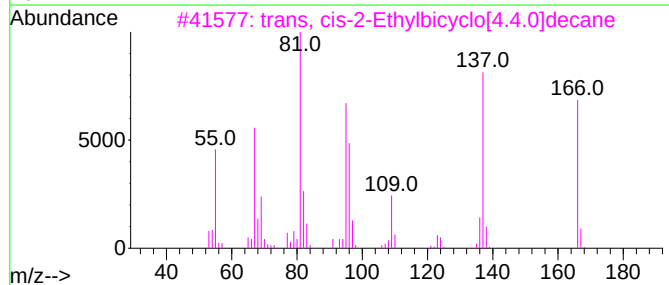
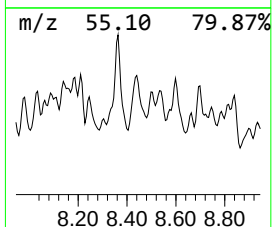
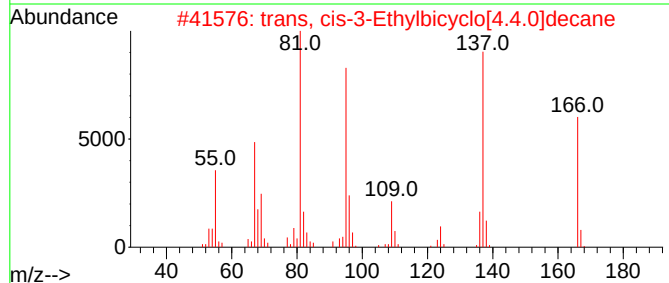
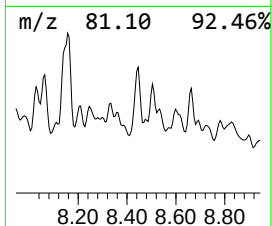
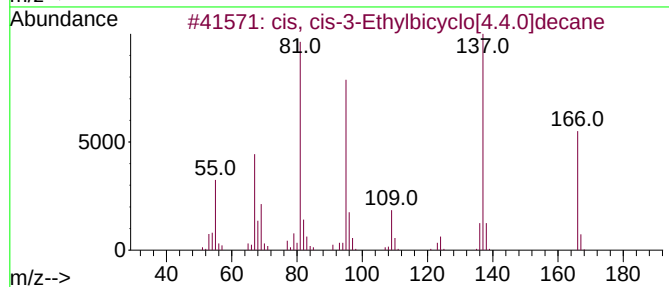
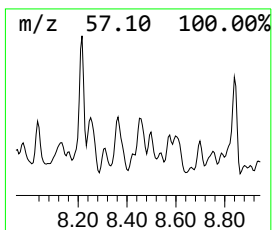
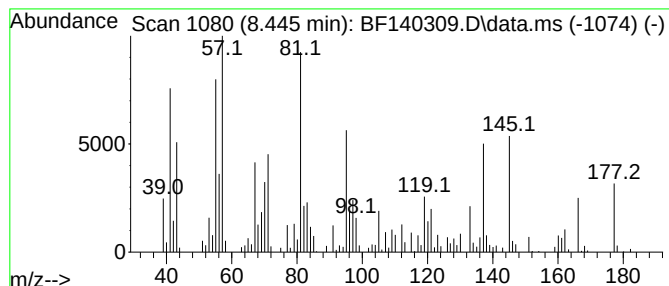
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 cis, cis-3-Ethylbicyclo[4.4.0] Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.445	5.09 ng	240507	Naphthalene-d8	8.157

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			cis, cis-3-Ethylbicyclo[4.4.0]de...	166	C12H22	066660-42-2	50
2			trans, cis-3-Ethylbicyclo[4.4.0]...	166	C12H22	066660-43-3	49
3			trans, cis-2-Ethylbicyclo[4.4.0]...	166	C12H22	066660-39-7	49
4			Naphthalene, 2-ethyldecahydro-	166	C12H22	001618-23-1	46
5			cis,trans-3-Ethylbicyclo[4.4.0]d...	166	C12H22	066660-41-1	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140309.D
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Misc :
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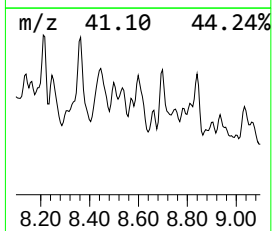
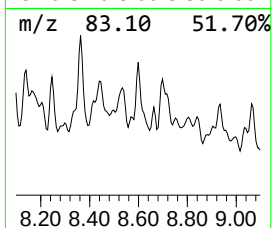
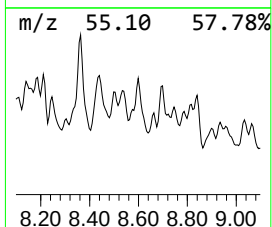
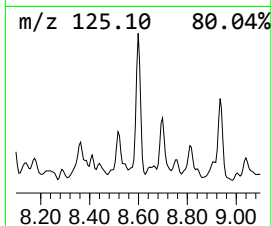
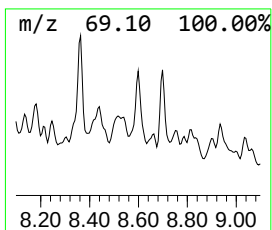
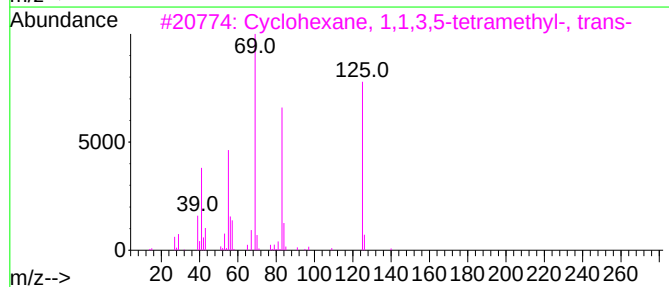
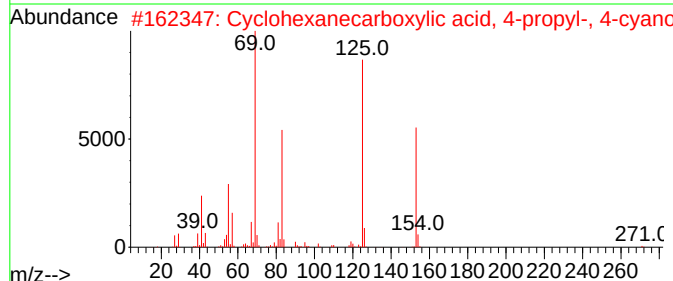
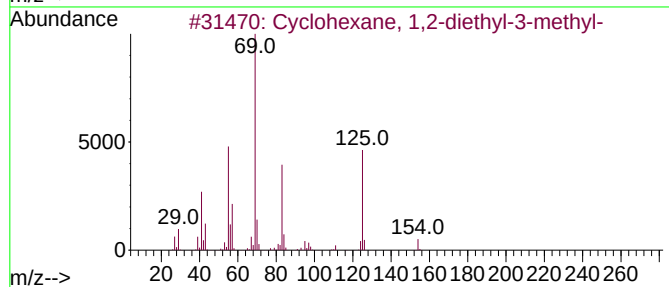
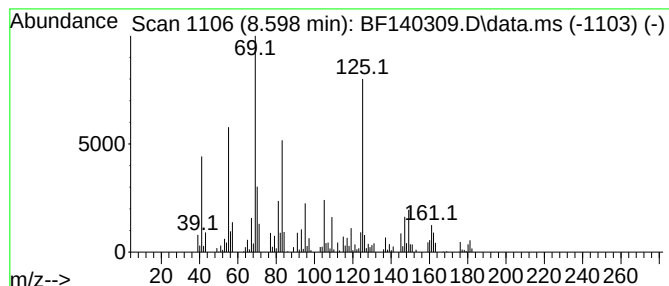
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 Cyclohexane, 1,2-diethyl-3-... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.598	4.30 ng	203470	Naphthalene-d8	8.157

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1,2-diethyl-3-methyl-	154	C11H22	061141-80-8	64
2		Cyclohexanecarboxylic acid, 4-pr...	271	C17H21NO2	062439-33-2	53
3		Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	52
4		Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	38
5		2-Aminothiazole-5-carbonitrile	125	C4H3N3S	051640-52-9	27



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
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Misc :
ALS Vial : 25 Sample Multiplier: 1

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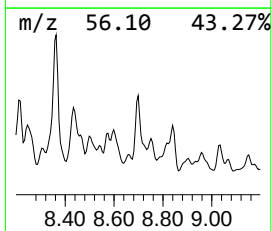
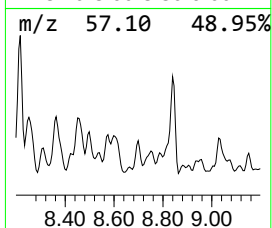
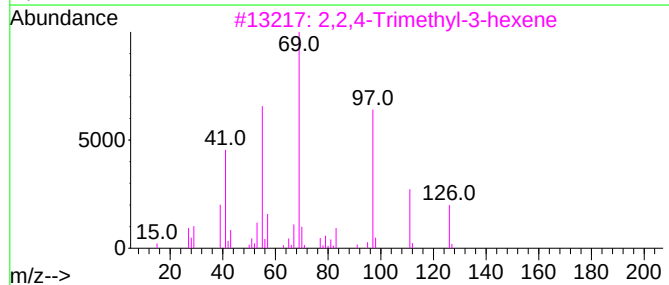
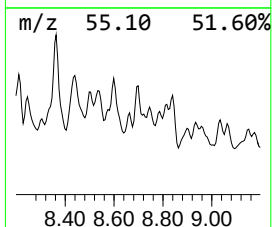
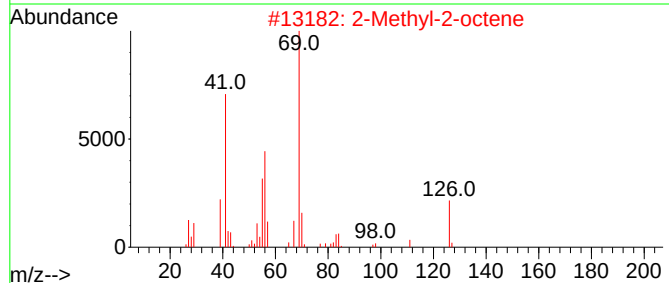
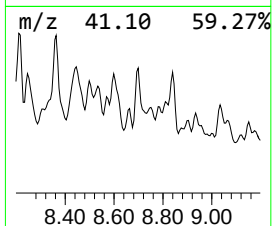
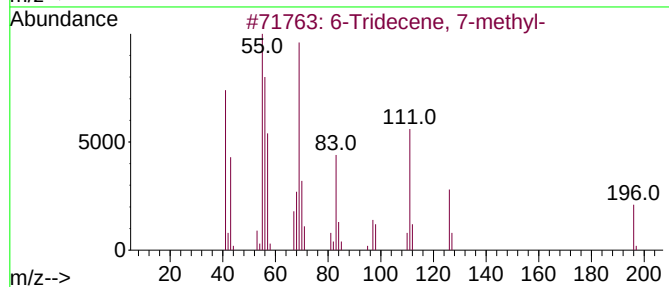
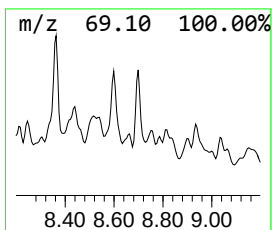
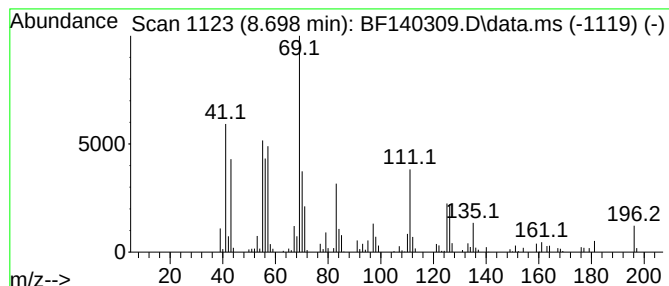
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 6-Tridecene, 7-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.698	2.81 ng	132638	Naphthalene-d8	8.157

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		6-Tridecene, 7-methyl-	196	C14H28	024949-42-6	70
2		2-Methyl-2-octene	126	C9H18	016993-86-5	46
3		2,2,4-Trimethyl-3-hexene	126	C9H18	059643-72-0	46
4		1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	45
5		2-(Acetylmethylene)tetrahydrofuran	126	C7H10O2	112595-65-0	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140309.D
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Sample : P4768-01
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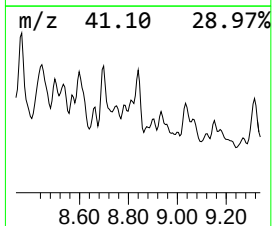
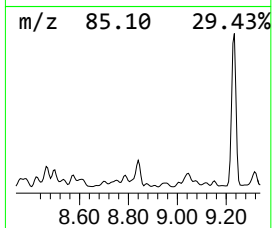
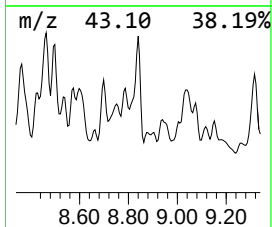
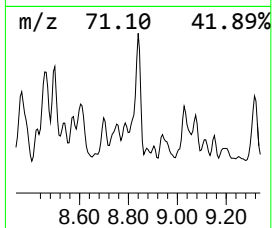
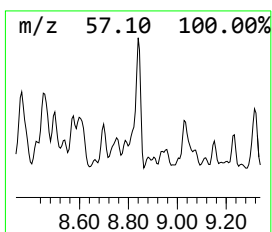
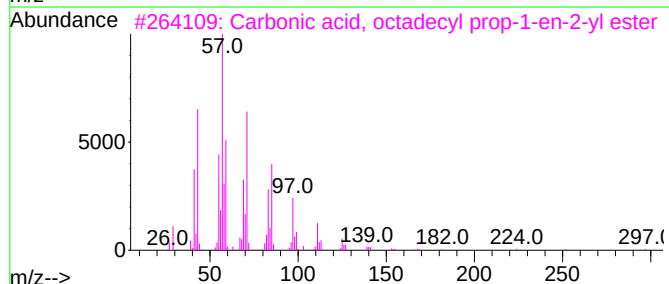
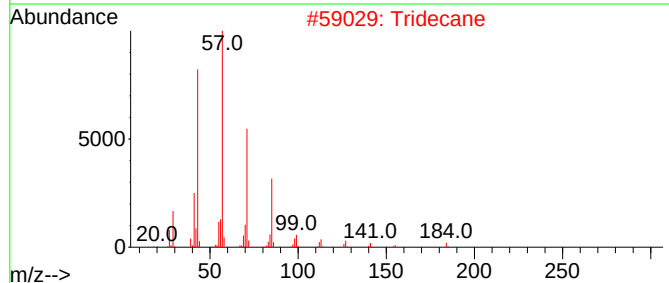
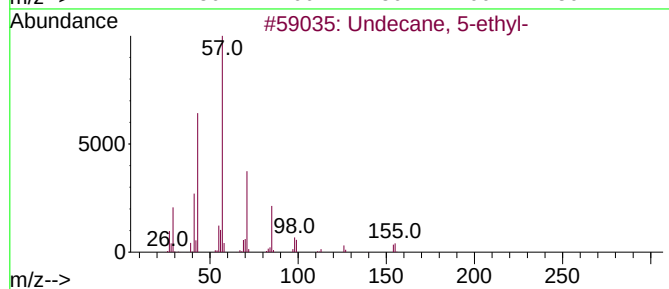
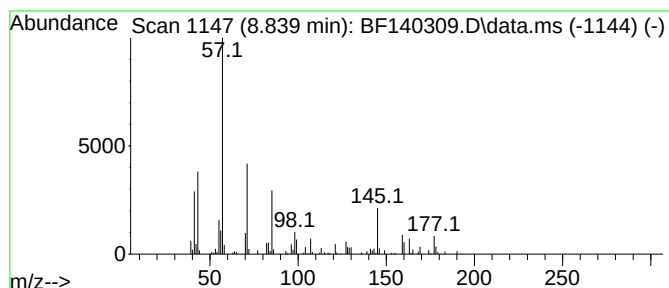
Instrument :
BNA_F
ClientSampleId :
B-3-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 Undecane, 5-ethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.	
8.839	3.38 ng	159654	Naphthalene-d8	8.157	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 5-ethyl-	184	C13H28	017453-94-0	50
2	Tridecane	184	C13H28	000629-50-5	47
3	Carbonic acid, octadecyl prop-1-...	354	C22H42O3	1000383-11-5	43
4	Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	38
5	Decane, 3-bromo-	220	C10H21Br	030571-71-2	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140309.D
Acq On : 08 Nov 2024 19:48
Operator : RC/JU
Sample : P4768-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-3-1

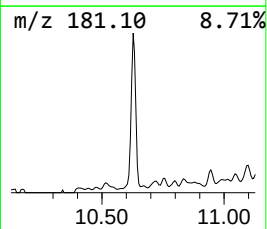
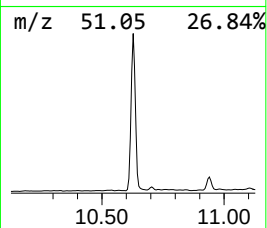
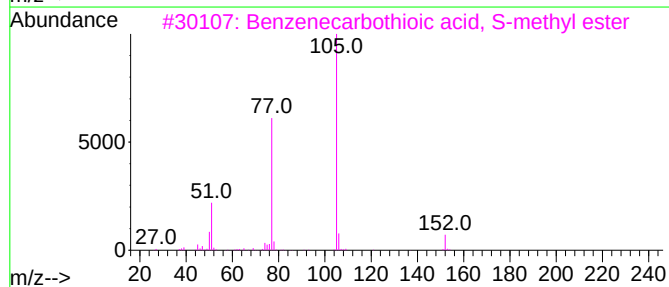
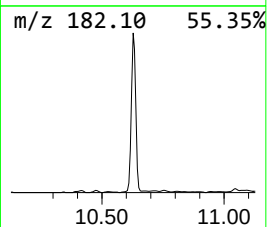
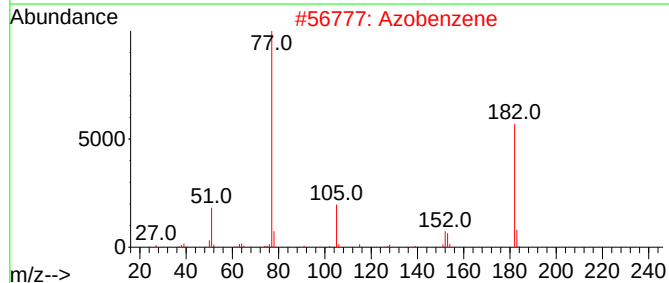
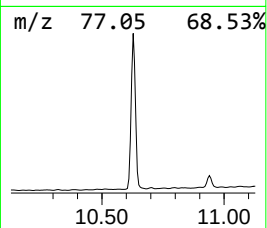
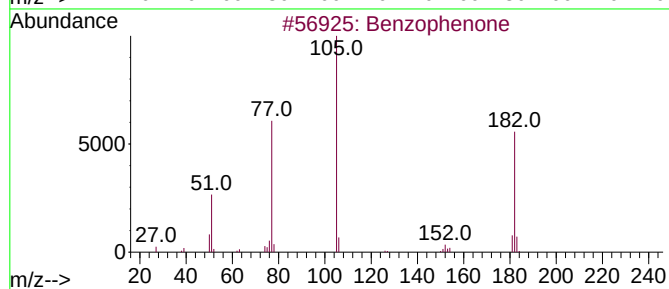
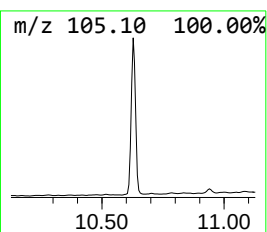
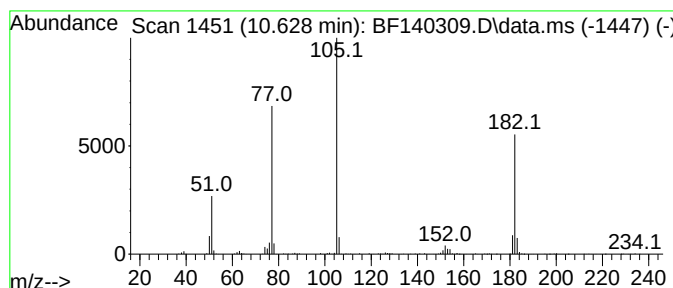
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.628	9.60 ng	392782	Acenaphthene-d10	9.916

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzophenone	182	C13H10O	000119-61-9	96
2		Azobenzene	182	C12H10N2	000103-33-3	64
3		Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	52
4		Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	47
5		Benzilamide	227	C14H13NO2	004746-87-6	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140309.D
Acq On : 08 Nov 2024 19:48
Operator : RC/JU
Sample : P4768-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-3-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-metho...	2.128	40.4	ng	1517740	1	6.881	751543	20.0
unknown5.093	5.093	6.0	ng	224883	1	6.881	751543	20.0
1-Hexene, 3-met...	5.804	3.3	ng	122697	1	6.881	751543	20.0
Cyclohexane, 1,...	5.893	3.8	ng	142869	1	6.881	751543	20.0
2-sec-Butyl-3-m...	6.316	2.4	ng	89985	1	6.881	751543	20.0
4-Nonene, 3-met...	6.416	9.7	ng	362559	1	6.881	751543	20.0
Cyclohexane, 1,...	6.657	2.8	ng	103554	1	6.881	751543	20.0
4-Undecene, (E)-	7.145	5.5	ng	208423	1	6.881	751543	20.0
1-Cyclohexyl-2-...	7.304	3.3	ng	125534	1	6.881	751543	20.0
unknown7.516	7.516	5.3	ng	199194	1	6.881	751543	20.0
trans-Decalin, ...	7.681	3.8	ng	177547	2	8.157	945635	20.0
Naphthalene, de...	7.798	4.0	ng	188987	2	8.157	945635	20.0
5-Ethyldecane	8.210	2.7	ng	129749	2	8.157	945635	20.0
unknown8.245	8.245	2.7	ng	129060	2	8.157	945635	20.0
Cyclohexane, 2-...	8.363	4.8	ng	225519	2	8.157	945635	20.0
cis, cis-3-Ethy...	8.445	5.1	ng	240507	2	8.157	945635	20.0
Cyclohexane, 1,...	8.598	4.3	ng	203470	2	8.157	945635	20.0
6-Tridecene, 7-...	8.698	2.8	ng	132638	2	8.157	945635	20.0
Undecane, 5-ethyl-	8.839	3.4	ng	159654	2	8.157	945635	20.0
Benzophenone	10.628	9.6	ng	392782	3	9.916	818146	20.0

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-3-2	SDG No.:	P4768
Lab Sample ID:	P4768-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	95.1
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140435.D	1	11/08/24 09:45	11/16/24 17:34	PB164789

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	190	U	190	350	ug/Kg
108-95-2	Phenol	87.0	U	87.0	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	87.9	U	87.9	180	ug/Kg
95-57-8	2-Chlorophenol	87.7	U	87.7	180	ug/Kg
95-48-7	2-Methylphenol	84.6	U	84.6	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	95.4	U	95.4	180	ug/Kg
98-86-2	Acetophenone	91.2	U	91.2	180	ug/Kg
65794-96-9	3+4-Methylphenols	83.8	U	83.8	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	42.3	U	42.3	84.0	ug/Kg
67-72-1	Hexachloroethane	87.1	U	87.1	180	ug/Kg
98-95-3	Nitrobenzene	95.3	U	95.3	180	ug/Kg
78-59-1	Isophorone	88.8	U	88.8	180	ug/Kg
88-75-5	2-Nitrophenol	99.2	U	99.2	180	ug/Kg
105-67-9	2,4-Dimethylphenol	97.8	U	97.8	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	90.1	U	90.1	180	ug/Kg
120-83-2	2,4-Dichlorophenol	79.3	U	79.3	180	ug/Kg
91-20-3	Naphthalene	86.7	U	86.7	180	ug/Kg
106-47-8	4-Chloroaniline	86.7	U	86.7	180	ug/Kg
87-68-3	Hexachlorobutadiene	87.4	U	87.4	180	ug/Kg
105-60-2	Caprolactam	91.1	U	91.1	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	81.4	U	81.4	180	ug/Kg
91-57-6	2-Methylnaphthalene	86.6	U	86.6	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	U	160	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	75.0	U	75.0	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	77.7	U	77.7	180	ug/Kg
92-52-4	1,1-Biphenyl	91.8	U	91.8	180	ug/Kg
91-58-7	2-Chloronaphthalene	87.4	U	87.4	180	ug/Kg
88-74-4	2-Nitroaniline	99.7	U	99.7	180	ug/Kg
131-11-3	Dimethylphthalate	85.8	U	85.8	180	ug/Kg

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-3-2	SDG No.:	P4768
Lab Sample ID:	P4768-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	95.1
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140435.D	1	11/08/24 09:45	11/16/24 17:34	PB164789

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	90.8	U	90.8	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	87.3	U	87.3	180	ug/Kg
99-09-2	3-Nitroaniline	93.6	U	93.6	180	ug/Kg
83-32-9	Acenaphthene	85.1	U	85.1	180	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	350	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	350	ug/Kg
132-64-9	Dibenzofuran	88.6	U	88.6	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	90.5	U	90.5	180	ug/Kg
84-66-2	Diethylphthalate	84.1	U	84.1	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	89.9	U	89.9	180	ug/Kg
86-73-7	Fluorene	89.8	U	89.8	180	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	85.7	U	85.7	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	82.8	U	82.8	180	ug/Kg
118-74-1	Hexachlorobenzene	89.2	U	89.2	180	ug/Kg
1912-24-9	Atrazine	95.9	U	95.9	180	ug/Kg
87-86-5	Pentachlorophenol	81.1	U	81.1	350	ug/Kg
85-01-8	Phenanthrene	520		88.2	180	ug/Kg
120-12-7	Anthracene	160	J	88.6	180	ug/Kg
86-74-8	Carbazole	84.3	U	84.3	180	ug/Kg
84-74-2	Di-n-butylphthalate	88.5	U	88.5	180	ug/Kg
206-44-0	Fluoranthene	2000		85.8	180	ug/Kg
129-00-0	Pyrene	2000		87.1	180	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	100	U	100	350	ug/Kg
56-55-3	Benzo(a)anthracene	1900		84.7	180	ug/Kg
218-01-9	Chrysene	1500		83.5	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	95.5	U	95.5	180	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	1800		85.1	180	ug/Kg

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-3-2	SDG No.:	P4768
Lab Sample ID:	P4768-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	95.1
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140435.D	1	11/08/24 09:45	11/16/24 17:34	PB164789

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	870		86.7	180	ug/Kg
50-32-8	Benzo(a)pyrene	1600		97.6	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	570		82.0	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	230		85.2	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	570		84.1	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	91.1	U	91.1	180	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	78.4	U	78.4	180	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	64.8		18 - 112	43%	SPK: 150
13127-88-3	Phenol-d6	62.6		15 - 107	42%	SPK: 150
4165-60-0	Nitrobenzene-d5	44.1		18 - 107	44%	SPK: 100
321-60-8	2-Fluorobiphenyl	48.9		20 - 109	49%	SPK: 100
118-79-6	2,4,6-Tribromophenol	59.0		10 - 116	39%	SPK: 150
1718-51-0	Terphenyl-d14	41.5		10 - 105	41%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	117000	6.875
1146-65-2	Naphthalene-d8	433000	8.151
15067-26-2	Acenaphthene-d10	228000	9.91
1517-22-2	Phenanthrene-d10	371000	11.398
1719-03-5	Chrysene-d12	238000	14.045
1520-96-3	Perylene-d12	217000	15.533

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	1500	JB	2.12	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	88.2	AB	5.09	ug/Kg
000119-61-9	Benzophenone	270	J	10.6	ug/Kg
000832-69-9	Phenanthrene, 1-methyl-	180	J	11.9	ug/Kg
000613-12-7	Anthracene, 2-methyl-	280	J	11.9	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	100	J	12.0	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	540	J	12.0	ug/Kg

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-3-2	SDG No.:	P4768
Lab Sample ID:	P4768-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	95.1
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Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140435.D	1	11/08/24 09:45	11/16/24 17:34	PB164789

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000612-94-2	Naphthalene, 2-phenyl-	120	J		12.2	ug/Kg
000781-43-1	9,10-Dimethylanthracene	180	J		12.5	ug/Kg
000781-17-9	Pyrene, 4,5,9,10-tetrahydro-	170	J		12.5	ug/Kg
	unknown12.539	100	J		12.5	ug/Kg
002381-21-7	Pyrene, 1-methyl-	120	J		13.1	ug/Kg
033543-31-6	Fluoranthene, 2-methyl-	210	J		13.2	ug/Kg
000243-17-4	11H-Benzo[b]fluorene	120	J		13.2	ug/Kg
003442-78-2	Pyrene, 2-methyl-	120	J		13.3	ug/Kg
000301-02-0	9-Octadecenamide, (Z)-	110	J		13.5	ug/Kg
002498-76-2	Benz[a]anthracene, 2-methyl-	90.6	J		14.4	ug/Kg
000192-97-2	Benzo[e]pyrene	270	J		15.2	ug/Kg
000198-55-0	Perylene	1100	J		15.4	ug/Kg
000215-58-7	Benzo[b]triphenylene	170	J		17.2	ug/Kg

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\BF111624\
 Data File : BF140435.D
 Acq On : 16 Nov 2024 17:34
 Operator : RC/JU
 Sample : P4768-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-3-2

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/19/2024
 Supervised By :mohammad ahmed 11/19/2024

Quant Time: Nov 18 00:08:50 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	116979	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	433268	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	227549	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	371496	20.000	ng	0.00
76) Chrysene-d12	14.045	240	238440	20.000	ng	0.00
86) Perylene-d12	15.533	264	217138	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	444151	64.827	ng	0.00
7) Phenol-d6	6.510	99	581332	62.627	ng	0.00
23) Nitrobenzene-d5	7.434	82	367000	44.134	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	133486	58.992	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	691668	48.864	ng	0.00
79) Terphenyl-d14	12.980	244	569655	41.470	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.769	152	48494	2.542	ng	99
71) Phenanthrene	11.422	178	261222	14.969	ng	99
72) Anthracene	11.474	178	78808	4.608	ng	98
75) Fluoranthene	12.616	202	1131471	57.791	ng	99
78) Pyrene	12.845	202	1159716	56.862	ng	99
81) Benzo(a)anthracene	14.039	228	861244	54.958	ng	95
83) Chrysene	14.074	228	619055	43.296	ng	97
87) Indeno(1,2,3-cd)pyrene	17.027	276	218864	16.317	ng	95
88) Benzo(b)fluoranthene	15.104	252	717187m	50.491	ng	
89) Benzo(k)fluoranthene	15.115	252	287857m	24.807	ng	
90) Benzo(a)pyrene	15.474	252	508313	46.083	ng	99
91) Dibenzo(a,h)anthracene	17.039	278	72021m	6.496	ng	
92) Benzo(g,h,i)perylene	17.486	276	185495	16.365	ng	97

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

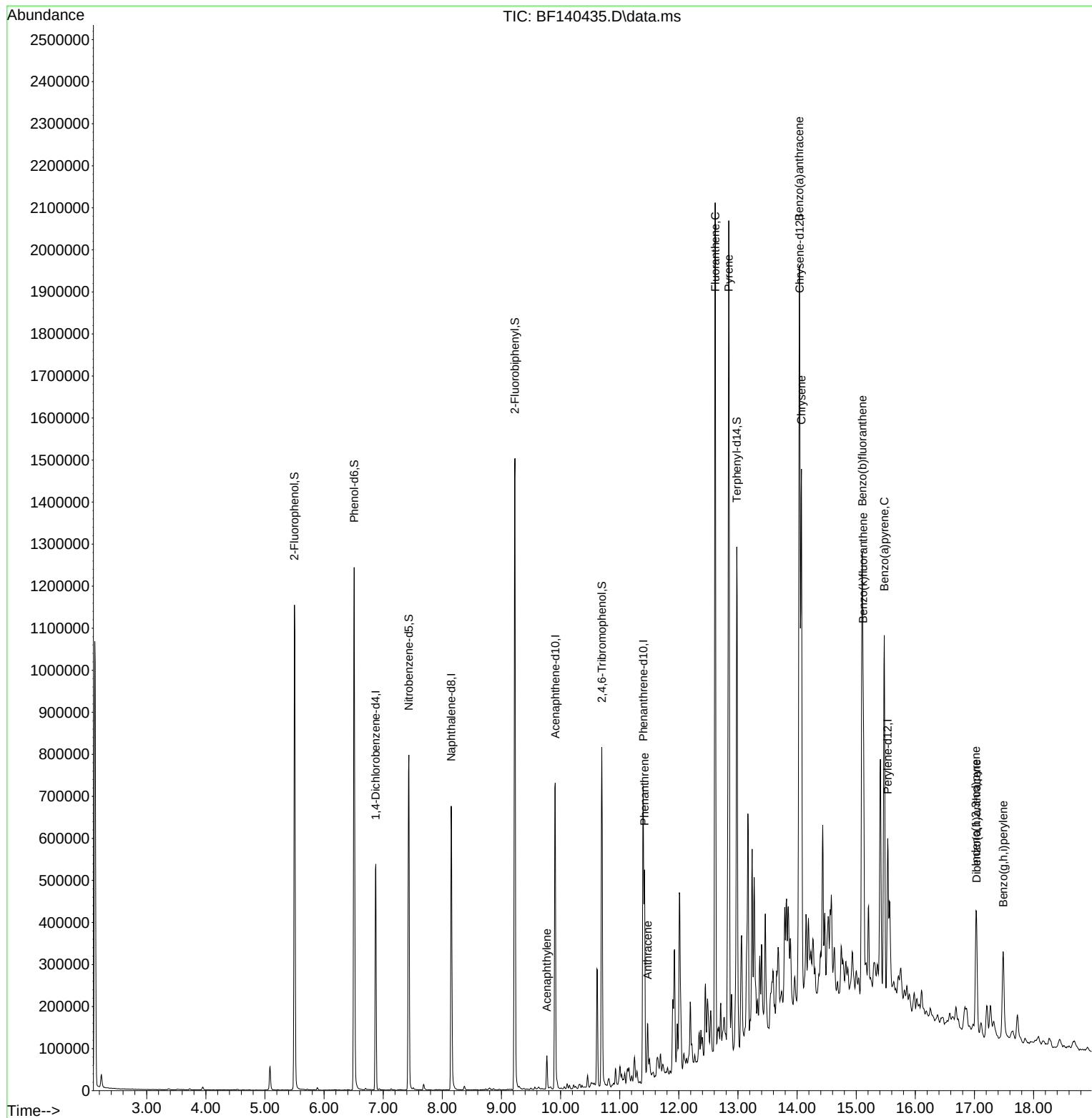
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
Data File : BF140435.D
Acq On : 16 Nov 2024 17:34
Operator : RC/JU
Sample : P4768-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

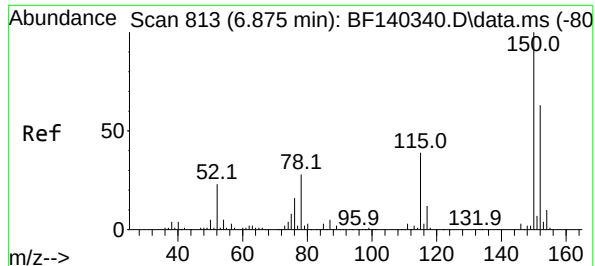
Instrument :
BNA_F
ClientSampleId :
B-3-2

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/19/2024
Supervised By :mohammad ahmed 11/19/2024

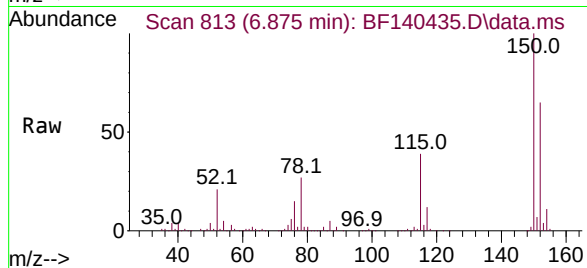
Quant Time: Nov 18 00:08:50 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF140435.D
Acq: 16 Nov 2024 17:34

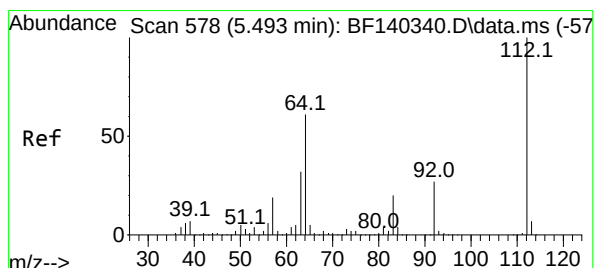
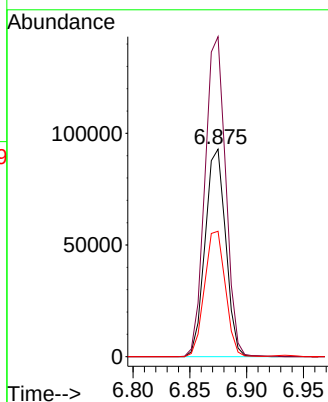
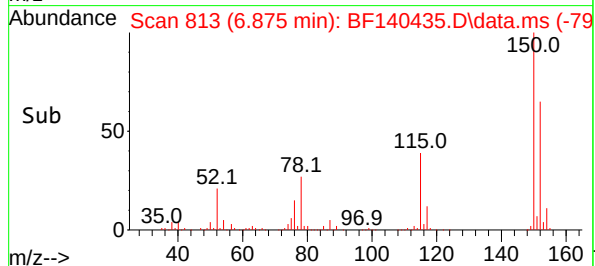
Instrument :
BNA_F
ClientSampleId :
B-3-2



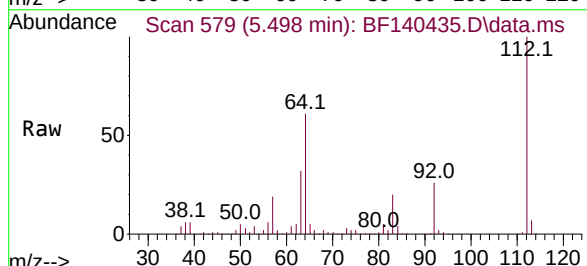
Tgt Ion:152 Resp: 116979
Ion Ratio Lower Upper
152 100
150 154.3 127.4 191.0
115 60.5 47.4 71.2

Manual Integrations
APPROVED

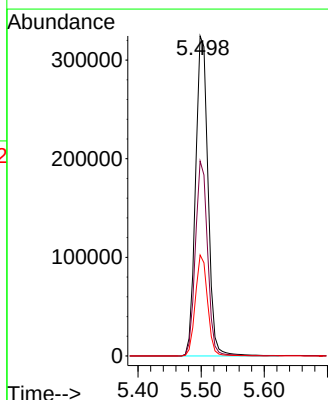
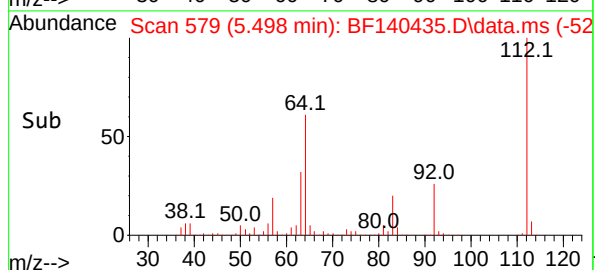
Reviewed By :Yogesh Patel 11/19/2024
Supervised By :mohammad ahmed 11/19/2024

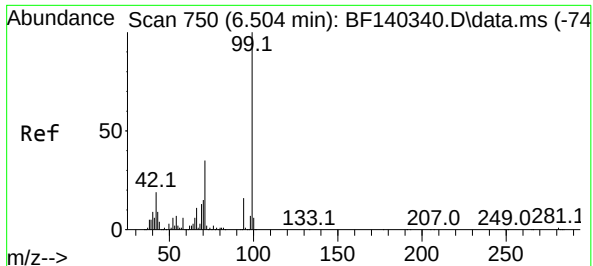


#5
2-Fluorophenol
Concen: 64.827 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.006 min
Lab File: BF140435.D
Acq: 16 Nov 2024 17:34



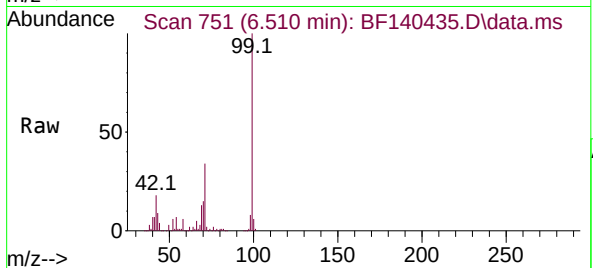
Tgt Ion:112 Resp: 444151
Ion Ratio Lower Upper
112 100
64 60.9 49.2 73.8
63 31.5 25.6 38.4





#7
Phenol-d6
Concen: 62.627 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF140435.D
Acq: 16 Nov 2024 17:34

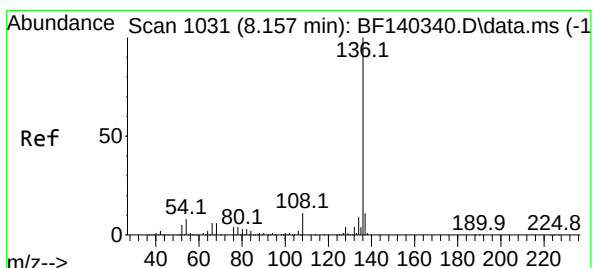
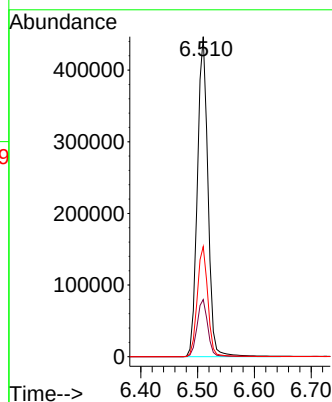
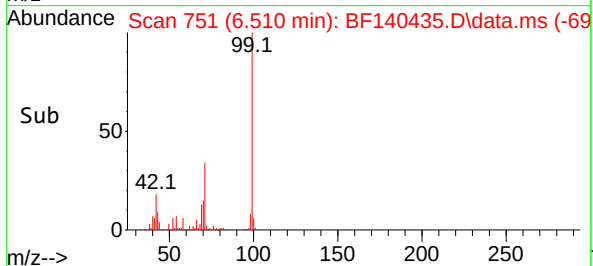
Instrument :
BNA_F
ClientSampleId :
B-3-2



Tgt Ion: 99 Resp: 581332
Ion Ratio Lower Upper
99 100
42 17.8 15.1 22.7
71 34.4 27.9 41.9

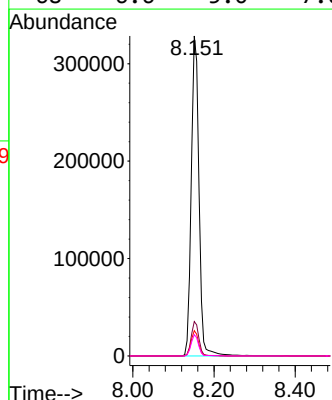
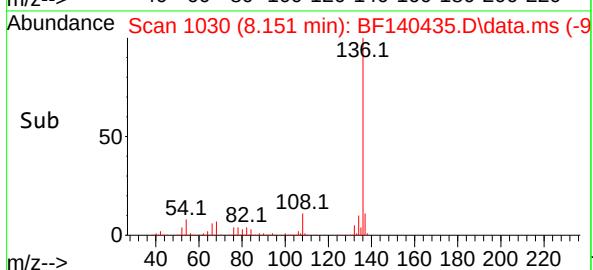
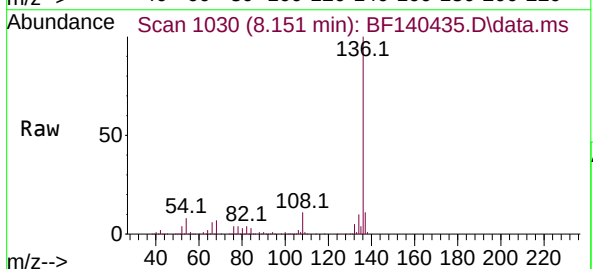
Manual Integrations
APPROVED

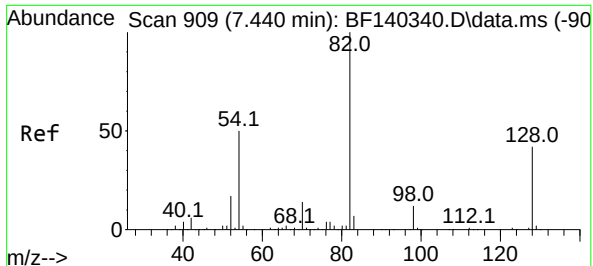
Reviewed By :Yogesh Patel 11/19/2024
Supervised By :mohammad ahmed 11/19/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140435.D
Acq: 16 Nov 2024 17:34

Tgt Ion:136 Resp: 433268
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 7.9 6.5 9.7
68 6.6 5.0 7.6





#23

Nitrobenzene-d5

Concen: 44.134 ng

RT: 7.434 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF140435.D

Acq: 16 Nov 2024 17:34

Instrument :

BNA_F

ClientSampleId :

B-3-2

Tgt Ion: 82 Resp: 367000

Ion Ratio Lower Upper

82 100

128 43.0 33.3 49.9

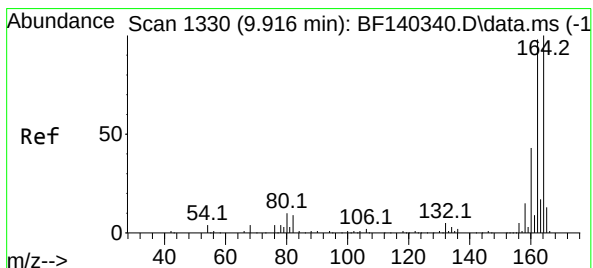
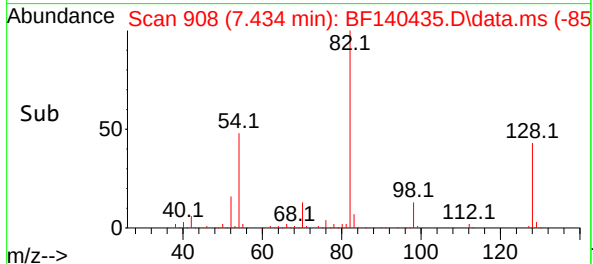
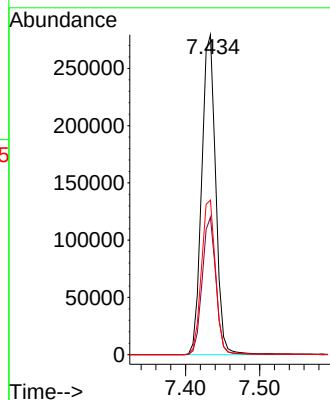
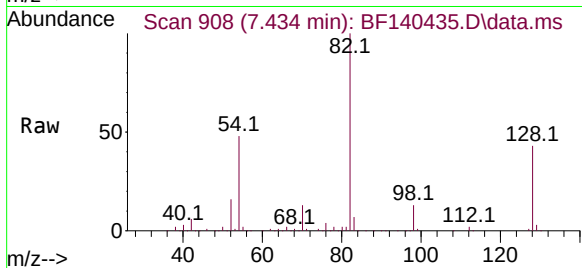
54 48.3 39.8 59.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/19/2024

Supervised By :mohammad ahmed 11/19/2024



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1329

Delta R.T. -0.006 min

Lab File: BF140435.D

Acq: 16 Nov 2024 17:34

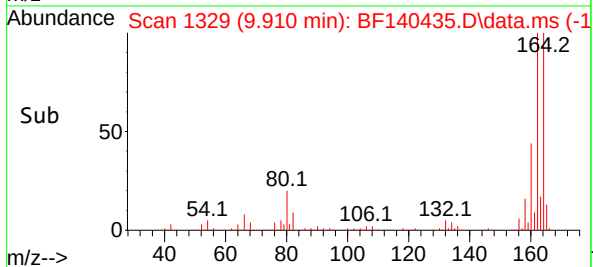
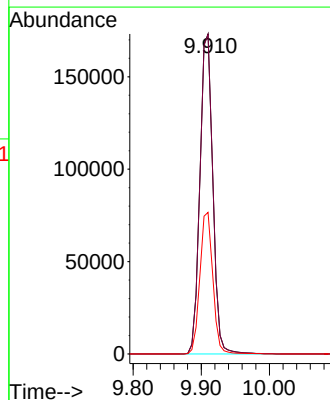
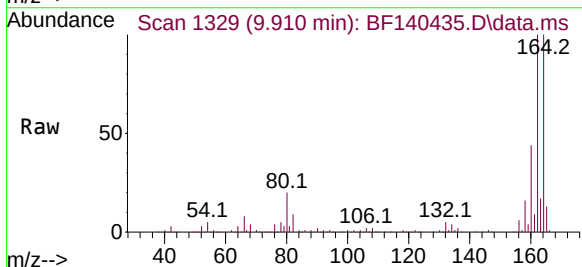
Tgt Ion:164 Resp: 227549

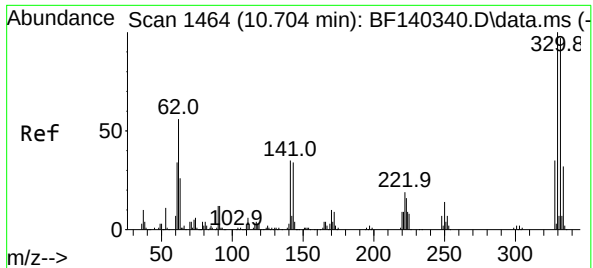
Ion Ratio Lower Upper

164 100

162 99.9 79.8 119.8

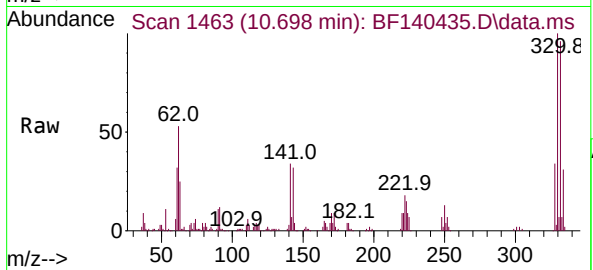
160 44.3 35.4 53.0





#42
2,4,6-Tribromophenol
Concen: 58.992 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF140435.D
Acq: 16 Nov 2024 17:34

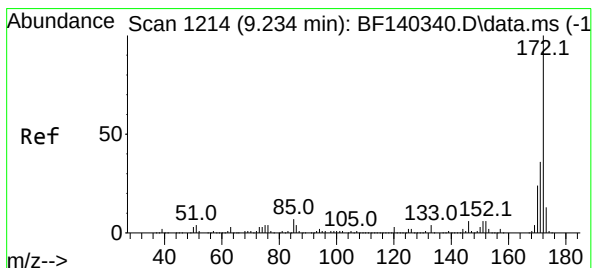
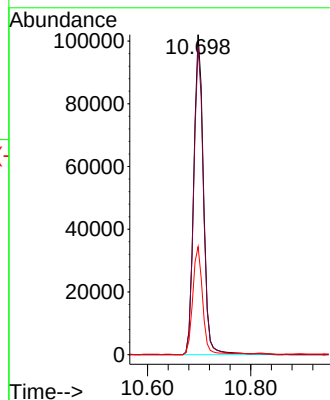
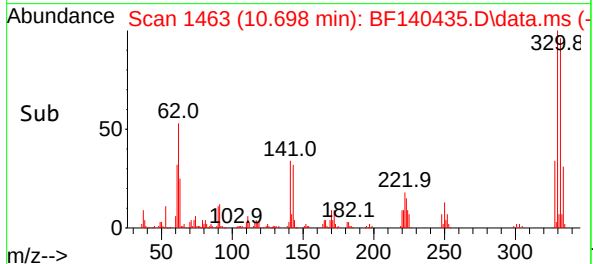
Instrument :
BNA_F
ClientSampleId :
B-3-2



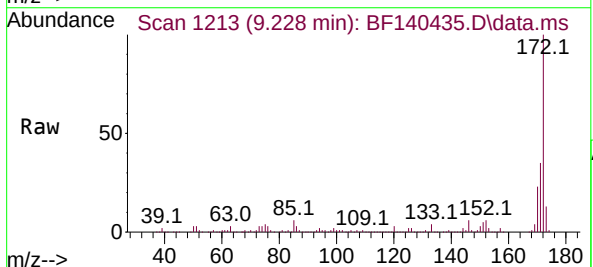
Tgt Ion: 330 Resp: 133480
Ion Ratio Lower Upper
330 100
332 96.0 75.9 113.9
141 34.0 26.9 40.3

Manual Integrations
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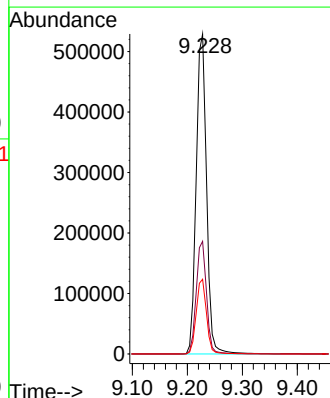
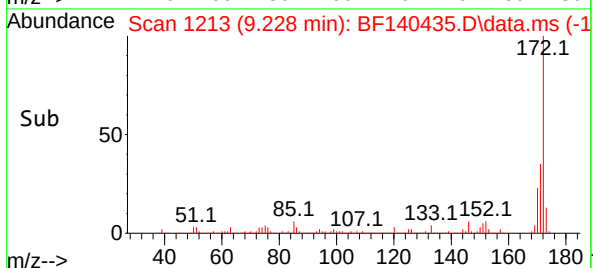
Reviewed By : Yogesh Patel 11/19/2024
Supervised By : mohammad ahmed 11/19/2024

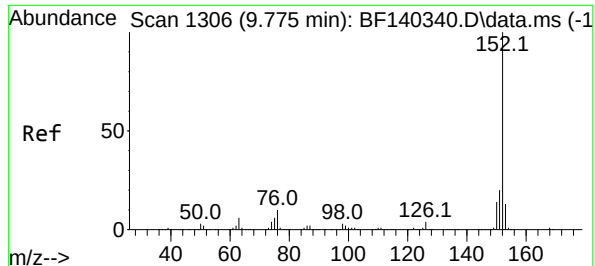


#45
2-Fluorobiphenyl
Concen: 48.864 ng
RT: 9.228 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF140435.D
Acq: 16 Nov 2024 17:34



Tgt Ion: 172 Resp: 691668
Ion Ratio Lower Upper
172 100
171 35.2 28.5 42.7
170 23.4 19.1 28.7





#49

Acenaphthylene

Concen: 2.542 ng

RT: 9.769 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140435.D

Acq: 16 Nov 2024 17:34

Instrument :

BNA_F

ClientSampleId :

B-3-2

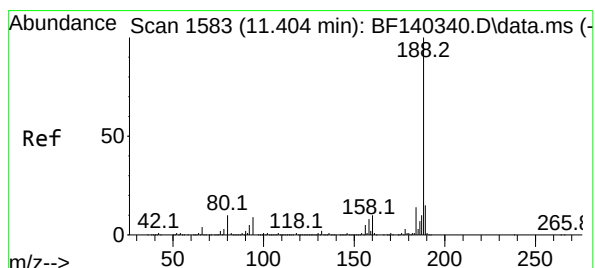
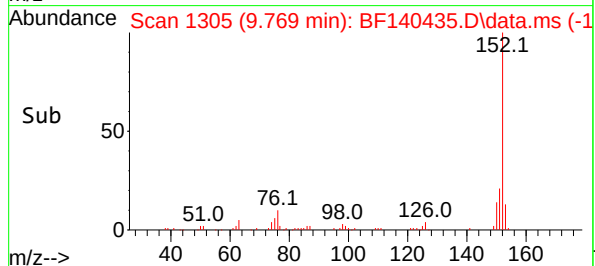
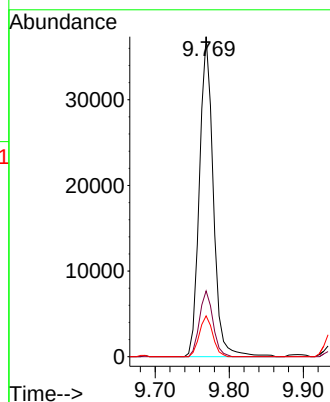
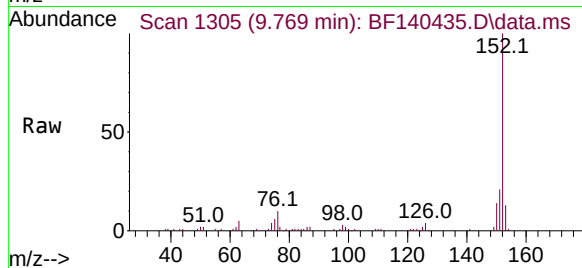
Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.1	24.1
153	12.7	10.7	16.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/19/2024

Supervised By :mohammad ahmed 11/19/2024



#64

Phenanthrene-d10

Concen: 20.000 ng

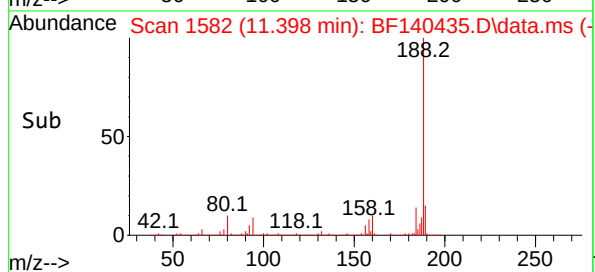
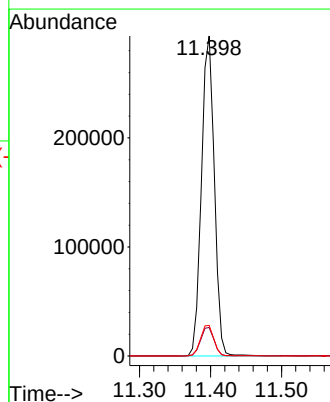
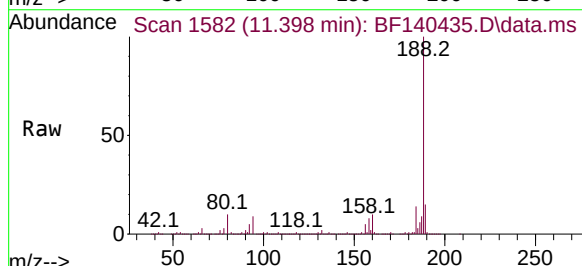
RT: 11.398 min Scan# 1582

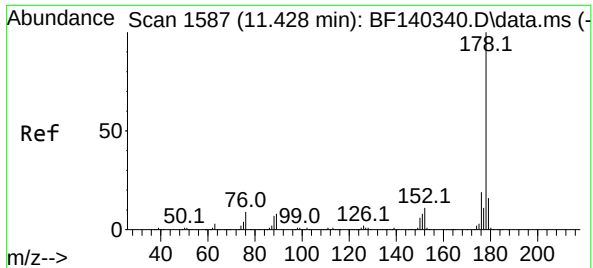
Delta R.T. -0.006 min

Lab File: BF140435.D

Acq: 16 Nov 2024 17:34

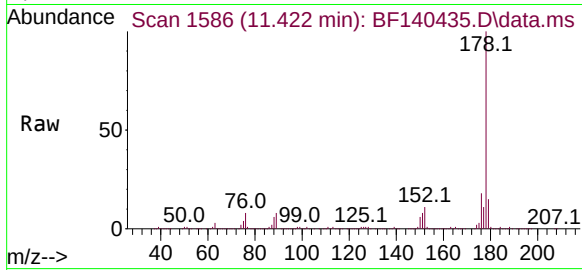
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.9	7.6	11.4
80	9.5	8.0	12.0





#71
Phenanthrene
Concen: 14.969 ng
RT: 11.422 min Scan# 1587
Delta R.T. -0.006 min
Lab File: BF140435.D
Acq: 16 Nov 2024 17:34

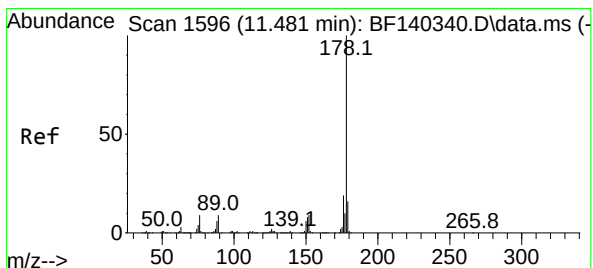
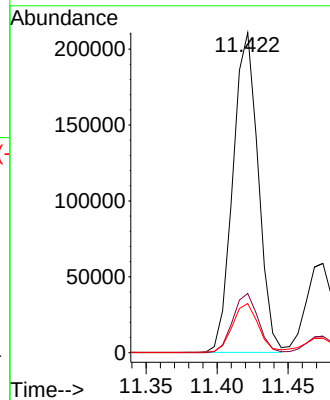
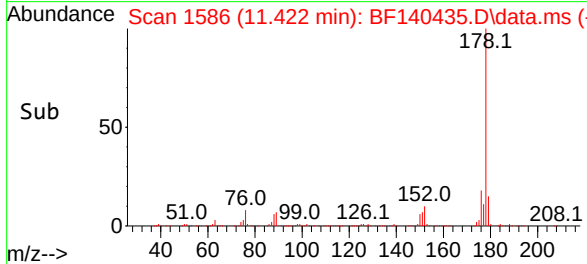
Instrument :
BNA_F
ClientSampleId :
B-3-2



Tgt Ion:178 Resp: 26122
Ion Ratio Lower Upper
178 100
176 18.5 15.5 23.3
179 15.4 12.4 18.6

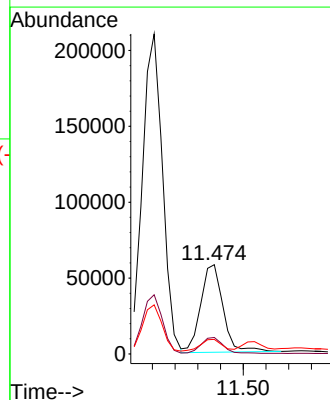
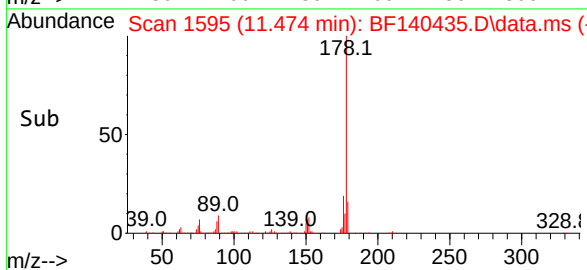
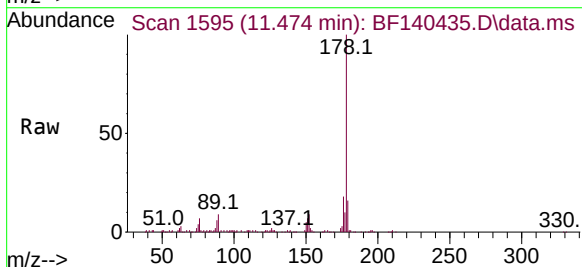
Manual Integrations
APPROVED

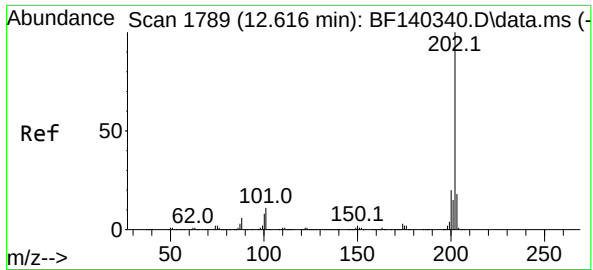
Reviewed By :Yogesh Patel 11/19/2024
Supervised By :mohammad ahmed 11/19/2024



#72
Anthracene
Concen: 4.608 ng
RT: 11.474 min Scan# 1595
Delta R.T. -0.006 min
Lab File: BF140435.D
Acq: 16 Nov 2024 17:34

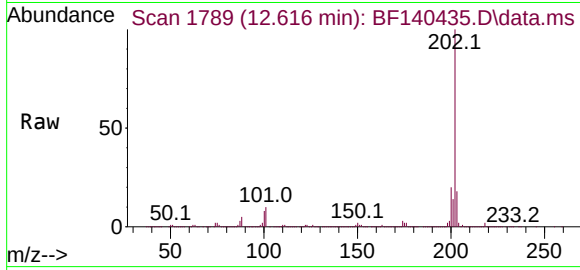
Tgt Ion:178 Resp: 78808
Ion Ratio Lower Upper
178 100
176 18.4 15.4 23.0
179 16.4 12.6 18.8





#75
Fluoranthene
Concen: 57.791 ng
RT: 12.616 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF140435.D
Acq: 16 Nov 2024 17:34

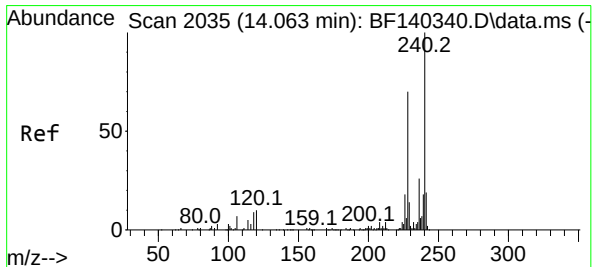
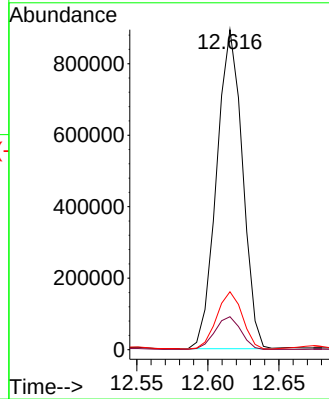
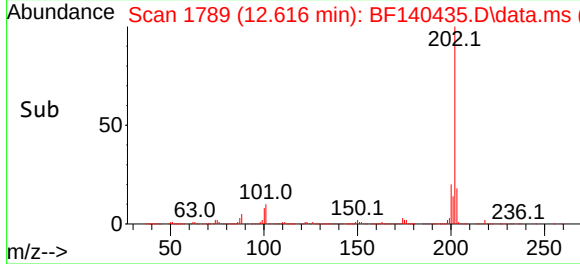
Instrument :
BNA_F
ClientSampleId :
B-3-2



Tgt Ion:202 Resp: 113147
Ion Ratio Lower Upper
202 100
101 10.3 0.0 30.7
203 18.1 0.0 37.7

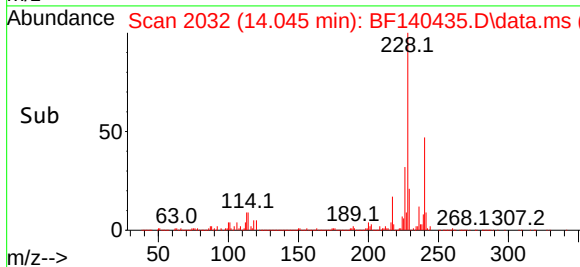
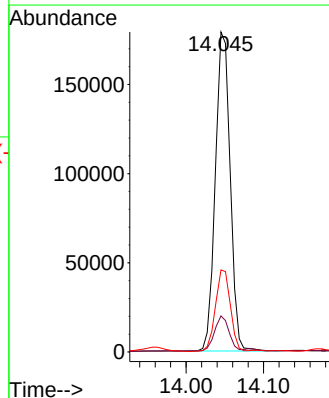
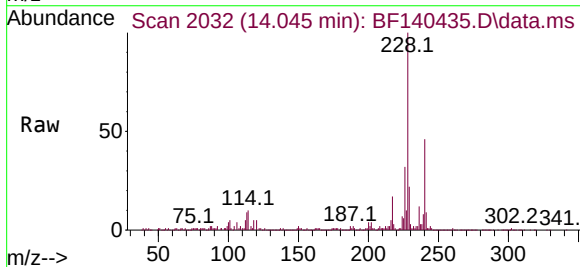
Manual Integrations
APPROVED

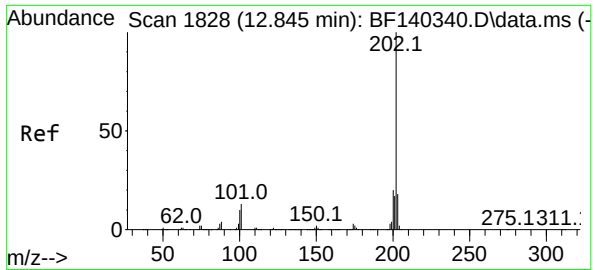
Reviewed By :Yogesh Patel 11/19/2024
Supervised By :mohammad ahmed 11/19/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF140435.D
Acq: 16 Nov 2024 17:34

Tgt Ion:240 Resp: 238440
Ion Ratio Lower Upper
240 100
120 11.2 8.8 13.2
236 25.6 20.9 31.3





#78

Pyrene

Concen: 56.862 ng

RT: 12.845 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF140435.D

Acq: 16 Nov 2024 17:34

Instrument :

BNA_F

ClientSampleId :

B-3-2

Tgt Ion:202 Resp: 1159710

Ion Ratio Lower Upper

202 100

200 20.3 16.2 24.2

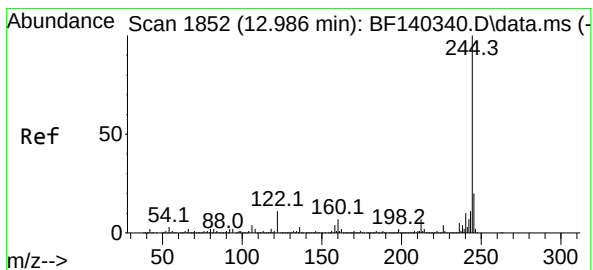
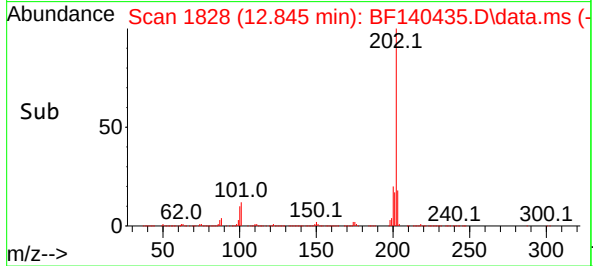
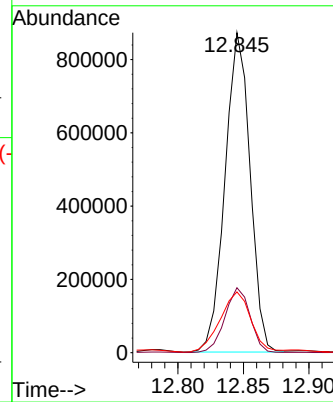
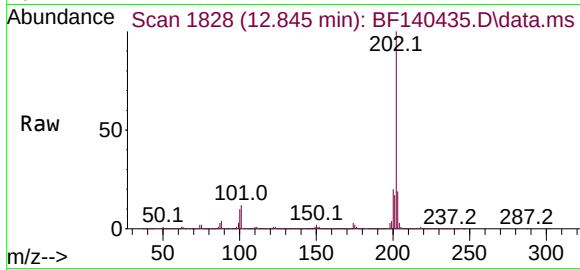
203 19.0 14.2 21.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/19/2024

Supervised By :mohammad ahmed 11/19/2024



#79

Terphenyl-d14

Concen: 41.470 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.006 min

Lab File: BF140435.D

Acq: 16 Nov 2024 17:34

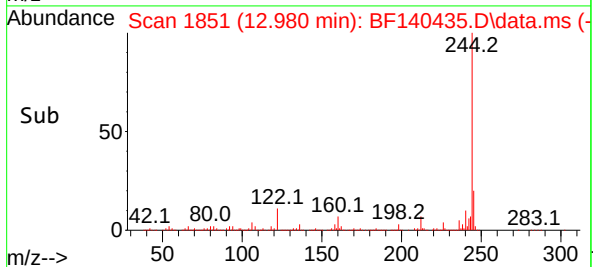
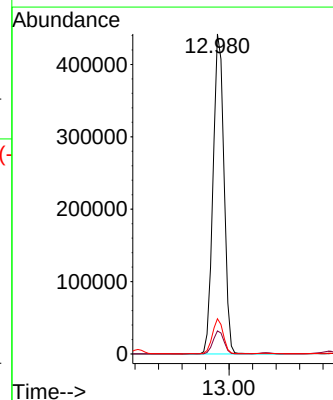
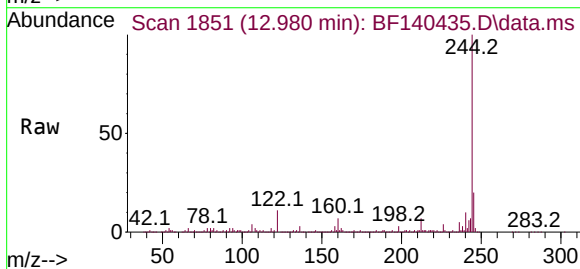
Tgt Ion:244 Resp: 569655

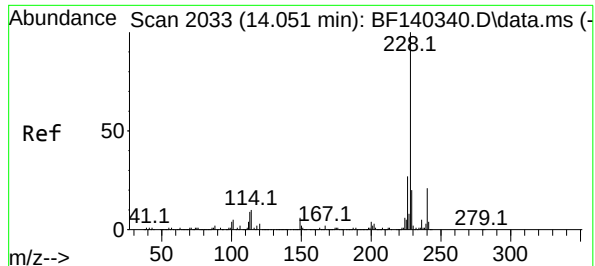
Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

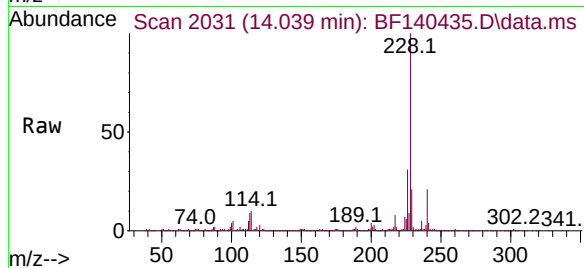
122 11.0 8.8 13.2





#81
Benzo(a)anthracene
Concen: 54.958 ng
RT: 14.039 min Scan# 2031
Delta R.T. -0.000 min
Lab File: BF140435.D
Acq: 16 Nov 2024 17:34

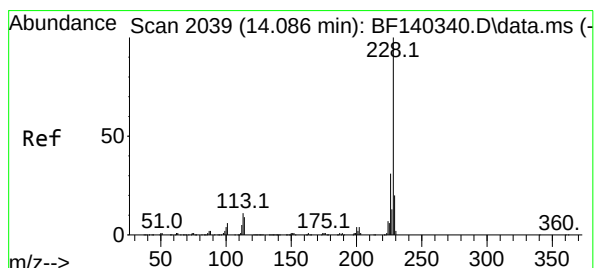
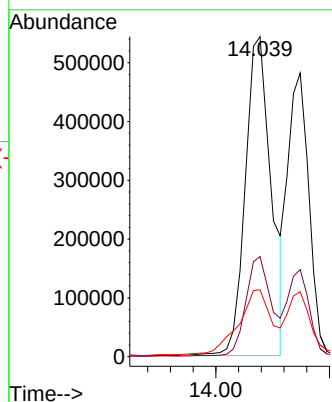
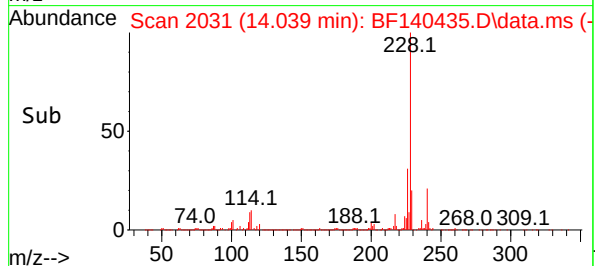
Instrument :
BNA_F
ClientSampleId :
B-3-2



Tgt Ion:228 Resp: 861244
Ion Ratio Lower Upper
228 100
226 31.3 22.2 33.4
229 20.9 15.8 23.6

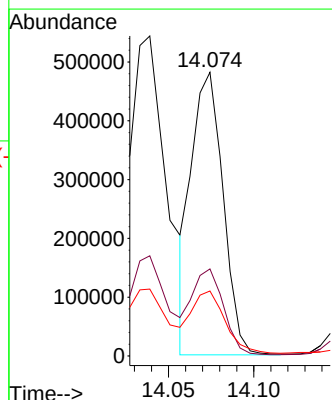
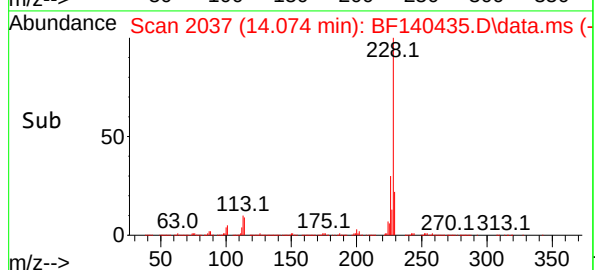
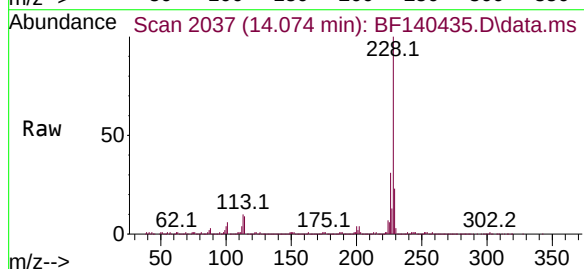
Manual Integrations
APPROVED

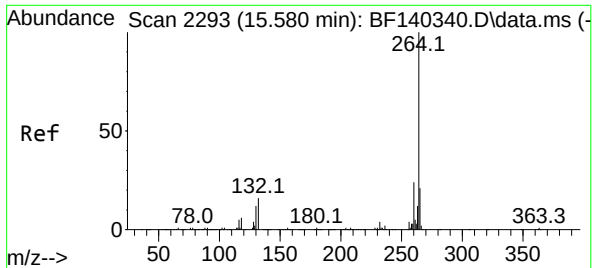
Reviewed By :Yogesh Patel 11/19/2024
Supervised By :mohammad ahmed 11/19/2024



#83
Chrysene
Concen: 43.296 ng
RT: 14.074 min Scan# 2037
Delta R.T. -0.006 min
Lab File: BF140435.D
Acq: 16 Nov 2024 17:34

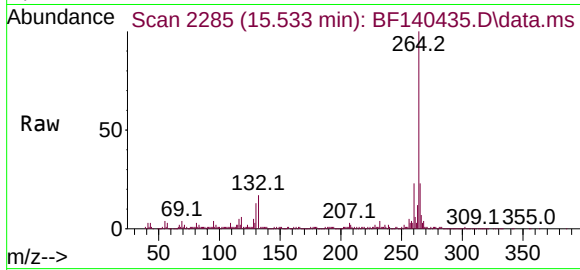
Tgt Ion:228 Resp: 619055
Ion Ratio Lower Upper
228 100
226 30.7 24.5 36.7
229 22.9 16.0 24.0





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 21
Delta R.T. -0.024 min
Lab File: BF140435.D
Acq: 16 Nov 2024 17:34

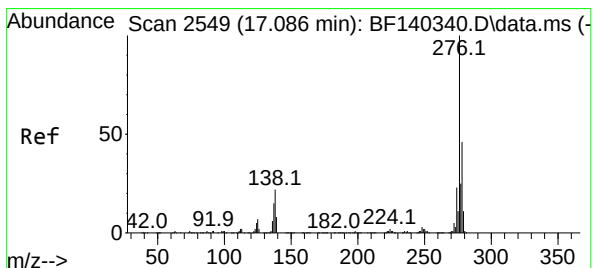
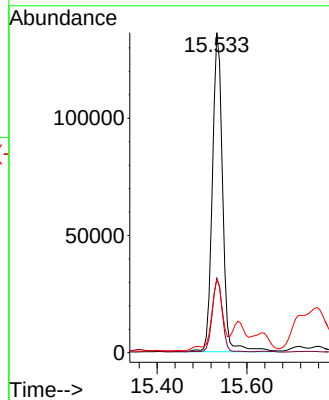
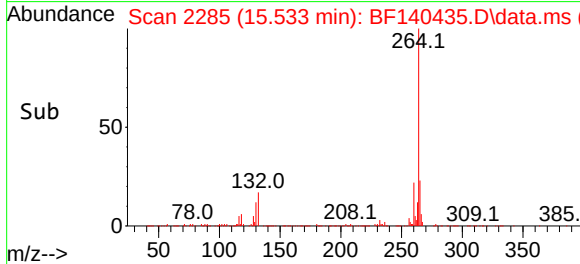
Instrument :
BNA_F
ClientSampleId :
B-3-2



Tgt Ion:264 Resp: 217138
Ion Ratio Lower Upper
264 100
260 23.2 19.2 28.8
265 22.9 17.1 25.7

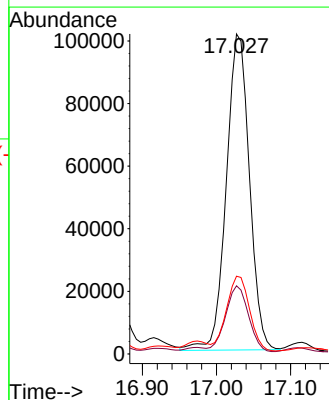
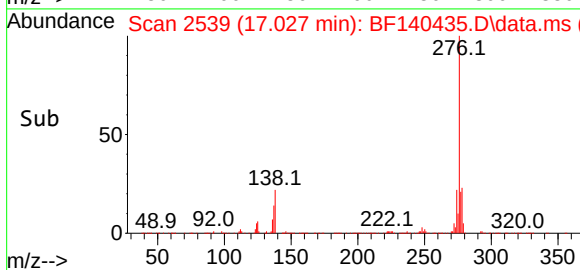
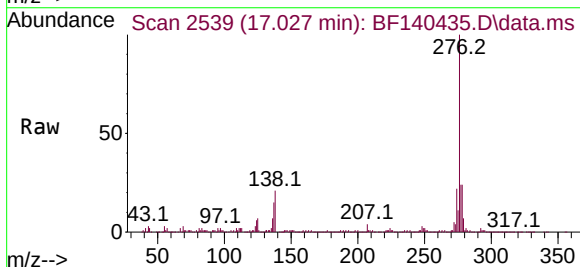
Manual Integrations
APPROVED

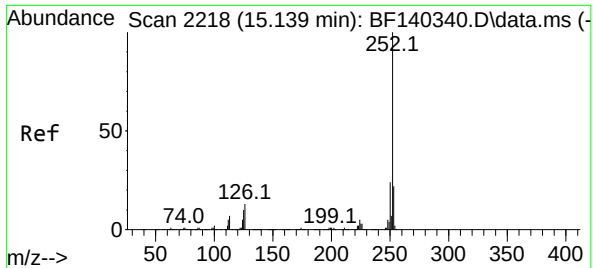
Reviewed By :Yogesh Patel 11/19/2024
Supervised By :mohammad ahmed 11/19/2024



#87
Indeno(1,2,3-cd)pyrene
Concen: 16.317 ng
RT: 17.027 min Scan# 2539
Delta R.T. -0.030 min
Lab File: BF140435.D
Acq: 16 Nov 2024 17:34

Tgt Ion:276 Resp: 218864
Ion Ratio Lower Upper
276 100
138 20.5 18.8 28.2
277 23.5 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 50.491 ng m

RT: 15.104 min Scan# 2218

Delta R.T. -0.012 min

Lab File: BF140435.D

Acq: 16 Nov 2024 17:34

Instrument :

BNA_F

ClientSampleId :

B-3-2

Tgt Ion:252 Resp: 71718

Ion Ratio Lower Upper

252 100

253 23.0 17.5 26.3

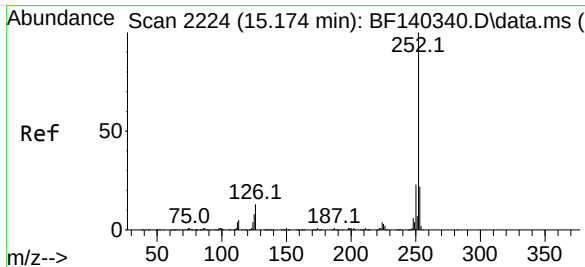
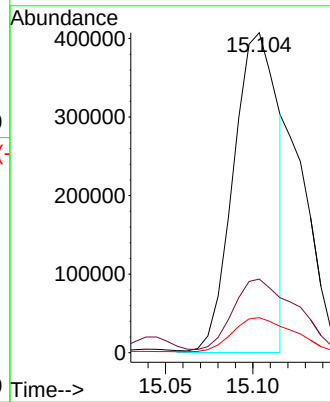
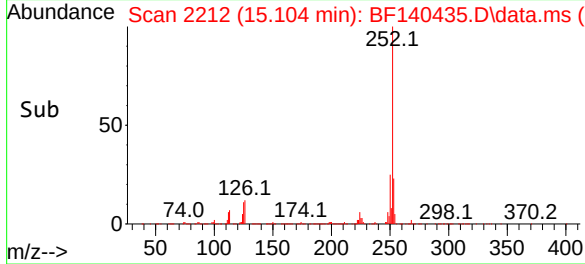
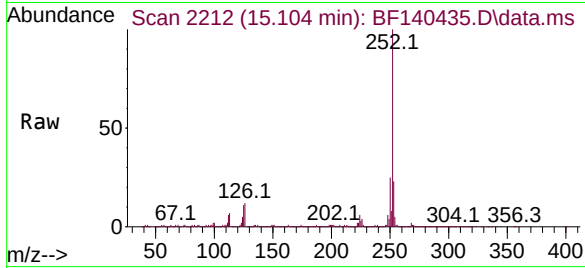
125 11.0 8.0 12.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/19/2024

Supervised By :mohammad ahmed 11/19/2024



#89

Benzo(k)fluoranthene

Concen: 24.807 ng m

RT: 15.115 min Scan# 2214

Delta R.T. -0.035 min

Lab File: BF140435.D

Acq: 16 Nov 2024 17:34

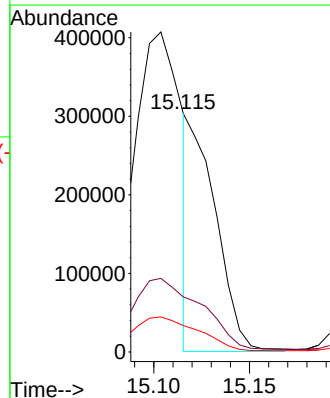
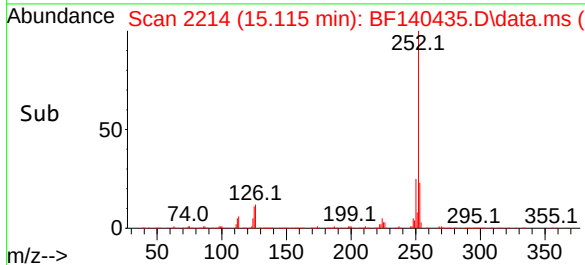
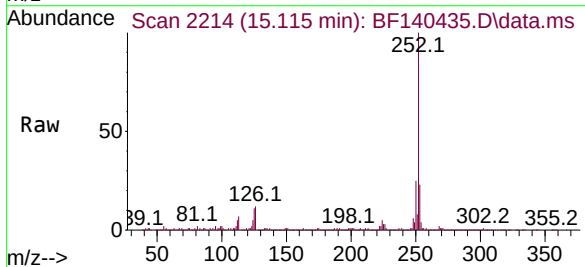
Tgt Ion:252 Resp: 287857

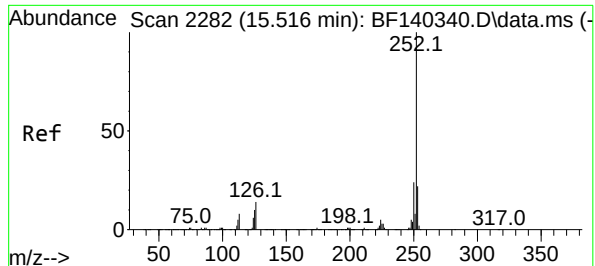
Ion Ratio Lower Upper

252 100

253 23.1 17.3 25.9

125 11.1 7.4 11.2





#90

Benzo(a)pyrene

Concen: 46.083 ng

RT: 15.474 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF140435.D

Acq: 16 Nov 2024 17:34

Instrument :

BNA_F

ClientSampleId :

B-3-2

Tgt Ion:252 Resp: 50831

Ion Ratio Lower Upper

252 100

253 22.8 17.8 26.6

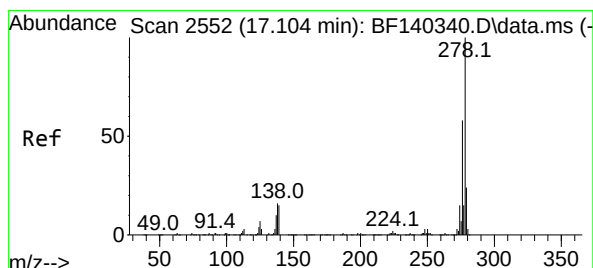
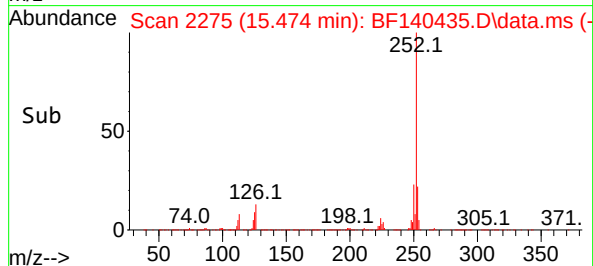
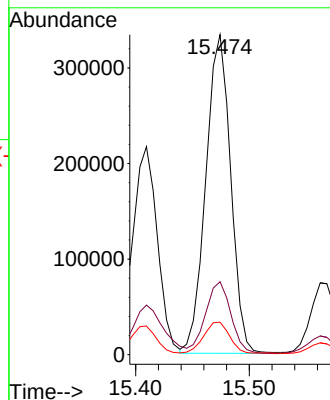
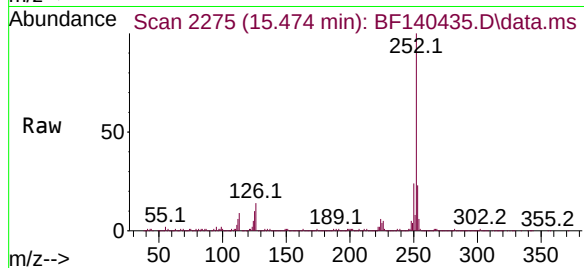
125 10.2 8.4 12.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/19/2024

Supervised By :mohammad ahmed 11/19/2024



#91

Dibenzo(a,h)anthracene

Concen: 6.496 ng m

RT: 17.039 min Scan# 2541

Delta R.T. -0.035 min

Lab File: BF140435.D

Acq: 16 Nov 2024 17:34

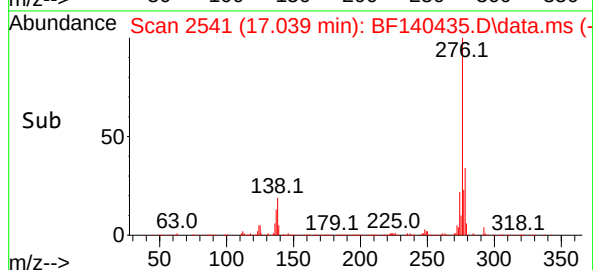
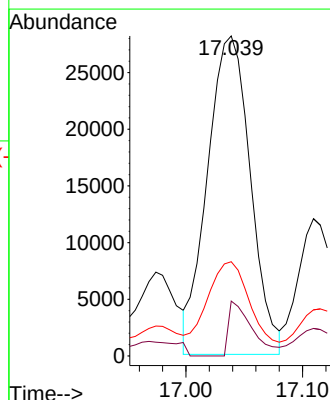
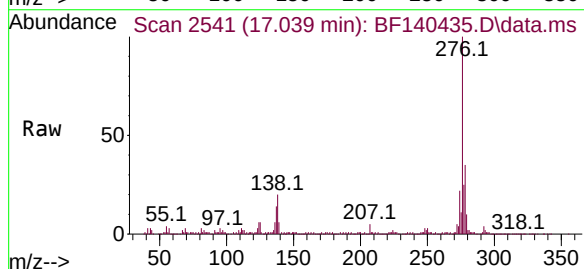
Tgt Ion:278 Resp: 72021

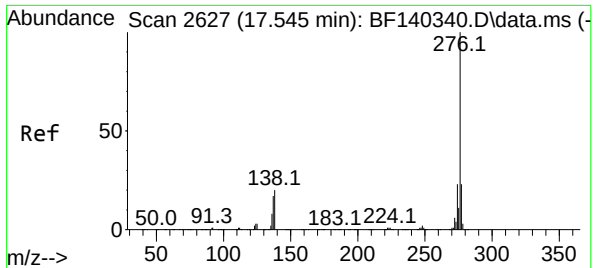
Ion Ratio Lower Upper

278 100

139 17.1 11.8 17.8

279 29.4 18.9 28.3#





#92

Benzo(g,h,i)perylene

Concen: 16.365 ng

RT: 17.486 min Scan# 20

Delta R.T. -0.030 min

Lab File: BF140435.D

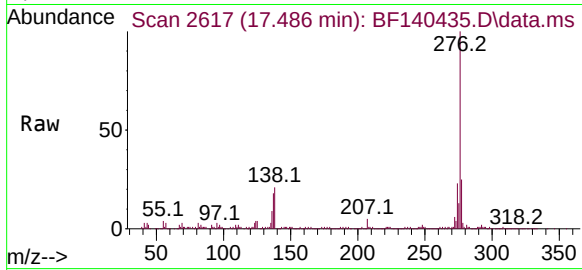
Acq: 16 Nov 2024 17:34

Instrument :

BNA_F

ClientSampleId :

B-3-2



Tgt Ion:276 Resp: 18549

Ion Ratio Lower Upper

276 100

277 24.6 18.6 28.0

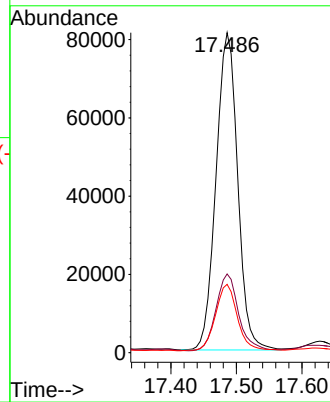
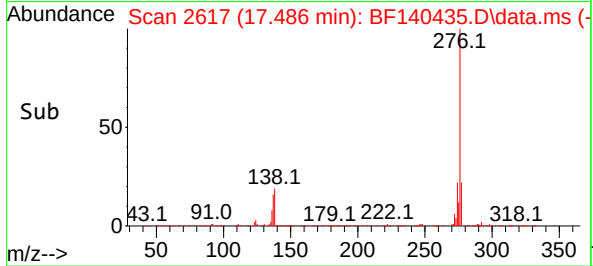
138 21.4 16.0 24.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/19/2024

Supervised By :mohammad ahmed 11/19/2024



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
 Data File : BF140435.D
 Acq On : 16 Nov 2024 17:34
 Operator : RC/JU
 Sample : P4768-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-3-2

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

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

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF140435.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.122	3	5	18	rVB	1059197	1429584	47.42%	3.407%
2	2.234	19	24	36	rVB	30786	54648	1.81%	0.130%
3	5.087	499	509	519	rBV	55474	86219	2.86%	0.206%
4	5.498	574	579	597	rVB	1151966	1547223	51.32%	3.688%
5	6.510	745	751	776	rBV	1242924	1633852	54.19%	3.894%
6	6.875	808	813	818	rBV	536941	683837	22.68%	1.630%
7	7.434	902	908	917	rBV	795815	1038448	34.44%	2.475%
8	8.151	1025	1030	1049	rVB	674577	895797	29.71%	2.135%
9	9.228	1207	1213	1223	rBV	1501801	1970780	65.37%	4.697%
10	9.769	1300	1305	1310	rBV	79658	101582	3.37%	0.242%
11	9.910	1323	1329	1343	rBV	727580	985322	32.68%	2.348%
12	10.457	1417	1422	1427	rVB	28049	36953	1.23%	0.088%
13	10.616	1444	1449	1456	rVB	278770	375522	12.46%	0.895%
14	10.698	1458	1463	1473	rVV	805153	1047799	34.75%	2.497%
15	10.816	1478	1483	1489	rVB5	20295	41025	1.36%	0.098%
16	10.927	1499	1502	1509	rVB	37751	47954	1.59%	0.114%
17	11.004	1509	1515	1518	rBV2	42815	72305	2.40%	0.172%
18	11.133	1532	1537	1538	rBV2	33977	47484	1.57%	0.113%
19	11.157	1538	1541	1546	rVB2	32027	47253	1.57%	0.113%
20	11.251	1552	1557	1561	rBV2	56930	96311	3.19%	0.230%
21	11.292	1561	1564	1569	rVB	27796	40326	1.34%	0.096%
22	11.398	1576	1582	1584	rBV	707531	987474	32.75%	2.354%
23	11.422	1584	1586	1590	rVV	501486	533024	17.68%	1.270%
24	11.469	1590	1594	1598	rVV	129468	193556	6.42%	0.461%
25	11.504	1598	1600	1606	rVB2	39129	54787	1.82%	0.131%
26	11.639	1617	1623	1628	rBV3	45093	109043	3.62%	0.260%
27	11.692	1628	1632	1635	rVV2	48338	73257	2.43%	0.175%
28	11.727	1635	1638	1645	rVB4	21324	38374	1.27%	0.091%
29	11.898	1662	1667	1669	rBV	175173	248811	8.25%	0.593%
30	11.927	1669	1672	1676	rVV	289320	396303	13.14%	0.945%
31	11.974	1676	1680	1682	rVV	107850	143017	4.74%	0.341%
32	12.010	1682	1686	1695	rVB	418936	761167	25.25%	1.814%
33	12.086	1695	1699	1704	rBV4	36120	71669	2.38%	0.171%
34	12.192	1713	1717	1721	rBV	128385	166158	5.51%	0.396%
35	12.345	1738	1743	1745	rBV	68142	95513	3.17%	0.228%
36	12.374	1745	1748	1750	rVV	46844	48844	1.62%	0.116%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
Data File : BF140435.D
Acq On : 16 Nov 2024 17:34
Operator : RC/JU
Sample : P4768-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-3-2

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	12.451	1756	1761	1764	rBV	170947	253576	8.41%	0.604%
38	12.486	1764	1767	1773	rVV2	129512	239182	7.93%	0.570%
39	12.539	1773	1776	1781	rVB3	97039	143634	4.76%	0.342%
40	12.616	1784	1789	1793	rBV	2018141	2548252	84.52%	6.074%
41	12.657	1793	1796	1798	rVV	37011	46226	1.53%	0.110%
42	12.710	1802	1805	1808	rVV	92802	100453	3.33%	0.239%
43	12.763	1812	1814	1818	rVV2	52170	70711	2.35%	0.169%
44	12.845	1821	1828	1833	rBV	1948309	3015026	100.00%	7.186%
45	12.892	1833	1836	1841	rVB2	132389	189276	6.28%	0.451%
46	12.980	1843	1851	1859	rVB2	1189761	1800441	59.72%	4.291%
47	13.063	1859	1865	1872	rBV3	265264	523340	17.36%	1.247%
48	13.168	1875	1883	1887	rVB	515784	904114	29.99%	2.155%
49	13.239	1891	1895	1898	rBV	406902	519138	17.22%	1.237%
50	13.274	1898	1901	1908	rVB3	323708	505804	16.78%	1.206%
51	13.368	1913	1917	1920	rVV	181089	276369	9.17%	0.659%
52	13.398	1920	1922	1928	rVV2	205633	312274	10.36%	0.744%
53	13.463	1929	1933	1944	rVB4	272821	452110	15.00%	1.078%
54	13.657	1962	1966	1967	rBV2	102291	124856	4.14%	0.298%
55	13.680	1968	1970	1975	rVB2	134726	182137	6.04%	0.434%
56	13.792	1985	1989	1991	rBV2	212780	287869	9.55%	0.686%
57	13.821	1991	1994	1996	rVV	189997	245431	8.14%	0.585%
58	13.851	1996	1999	2003	rVB2	131921	213021	7.07%	0.508%
59	14.039	2024	2031	2034	rBV2	1740495	2975495	98.69%	7.092%
60	14.074	2034	2037	2043	rVB	1234233	1693078	56.15%	4.035%
61	14.151	2047	2050	2053	rBV	144401	159959	5.31%	0.381%
62	14.192	2054	2057	2061	rBV3	115584	153531	5.09%	0.366%
63	14.433	2094	2098	2101	rBV	310058	385374	12.78%	0.919%
64	14.468	2101	2104	2107	rVB2	146881	176657	5.86%	0.421%
65	14.527	2108	2114	2117	rBV4	138435	297233	9.86%	0.708%
66	14.563	2117	2120	2121	rBV2	93413	96217	3.19%	0.229%
67	14.745	2148	2151	2154	rBV2	95819	143004	4.74%	0.341%
68	15.104	2206	2212	2220	rBV	1044966	2547370	84.49%	6.072%
69	15.210	2226	2230	2234	rVB	172617	222277	7.37%	0.530%
70	15.410	2259	2264	2270	rVB	533702	857136	28.43%	2.043%
71	15.474	2270	2275	2280	rVB	839272	1246496	41.34%	2.971%
72	15.533	2280	2285	2288	rBV	356148	570847	18.93%	1.361%
73	17.027	2533	2539	2548	rVB2	289999	651448	21.61%	1.553%
74	17.209	2565	2570	2575	rBV	65227	138797	4.60%	0.331%
75	17.486	2611	2617	2634	rVB	204493	486255	16.13%	1.159%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
Data File : BF140435.D
Acq On : 16 Nov 2024 17:34
Operator : RC/JU
Sample : P4768-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-3-2

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

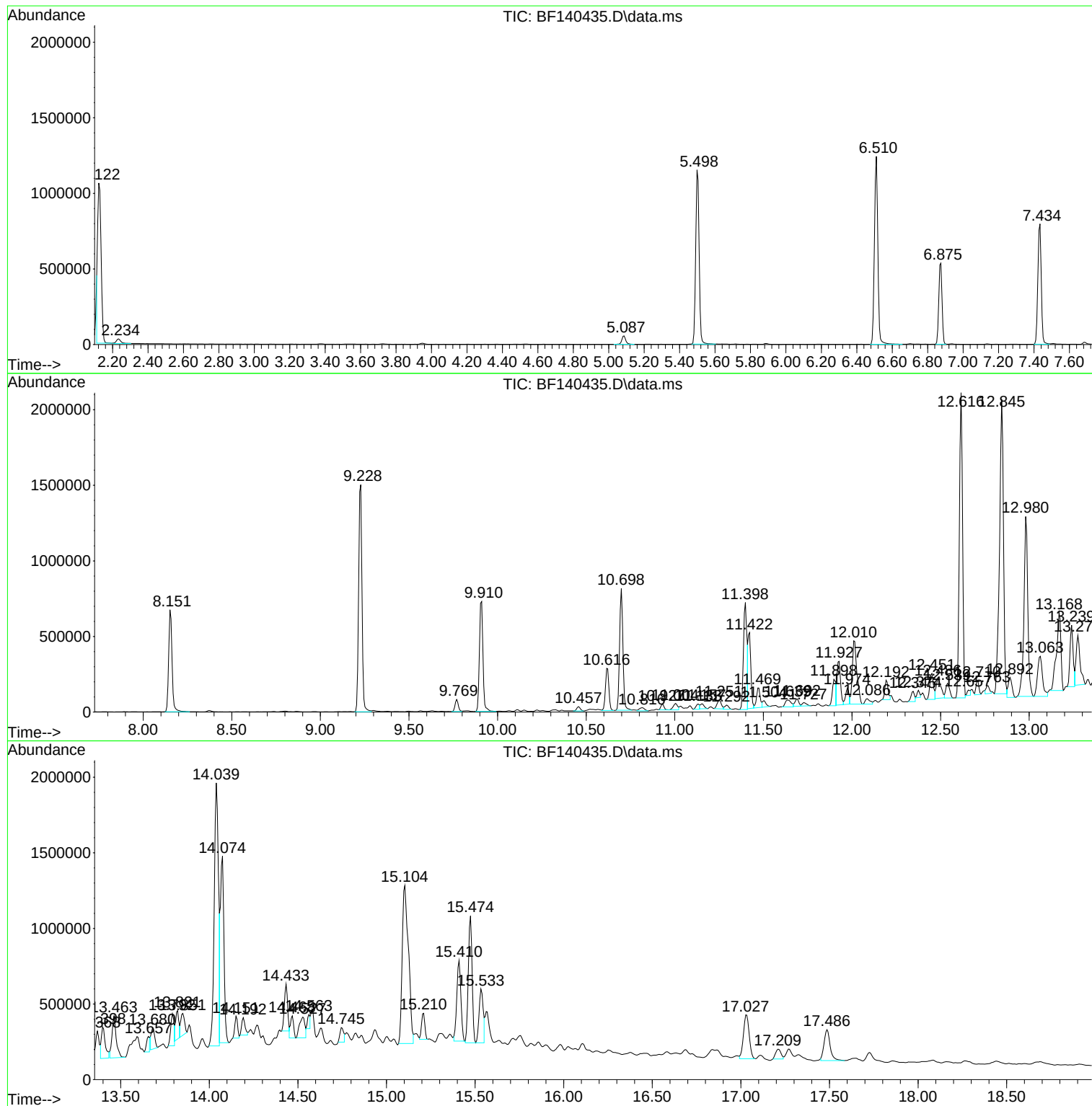
Sum of corrected areas: 41955635

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
Data File : BF140435.D
Acq On : 16 Nov 2024 17:34
Operator : RC/JU
Sample : P4768-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-3-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
Data File : BF140435.D
Acq On : 16 Nov 2024 17:34
Operator : RC/JU
Sample : P4768-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-3-2

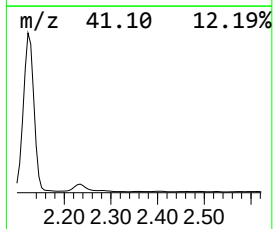
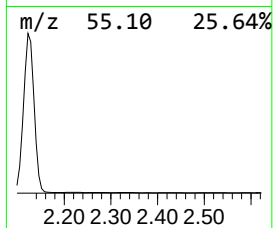
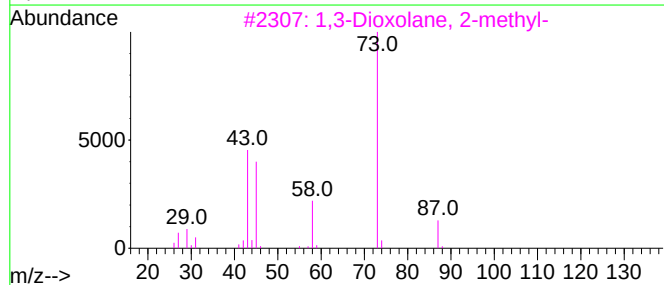
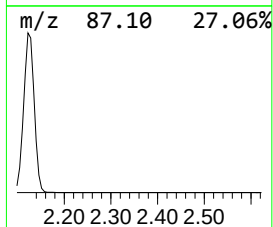
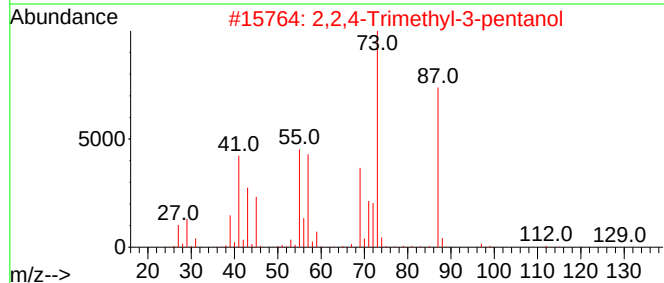
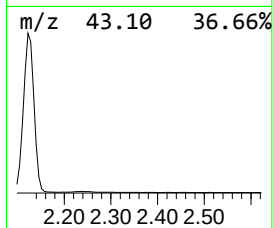
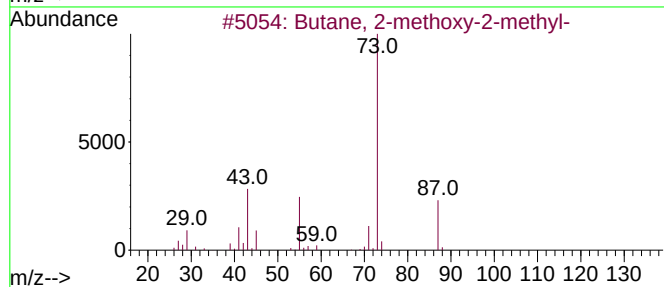
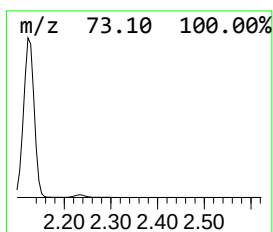
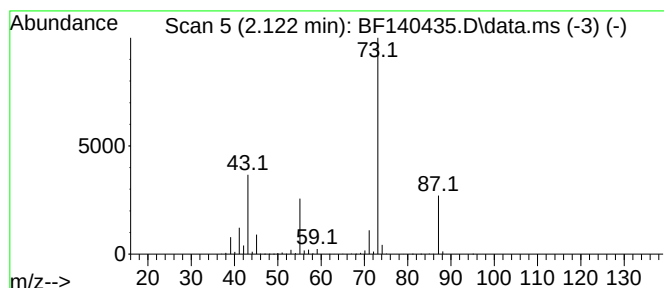
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.122	41.81 ng	1429580	1,4-Dichlorobenzene-d4	6.875

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3			1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
4			Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
5			Silane, tetramethyl-	88	C4H12Si	000075-76-3	12



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
Data File : BF140435.D
Acq On : 16 Nov 2024 17:34
Operator : RC/JU
Sample : P4768-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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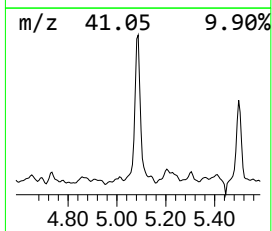
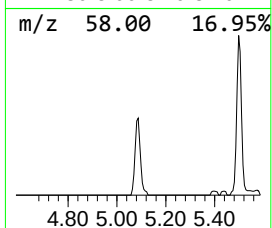
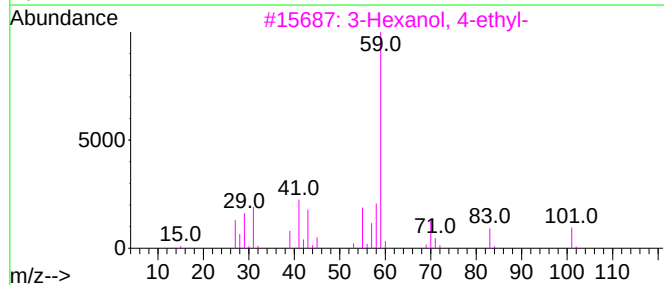
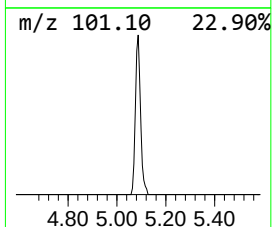
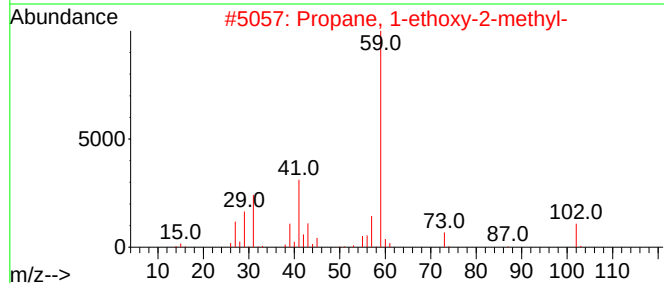
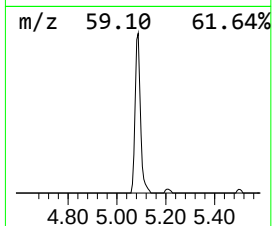
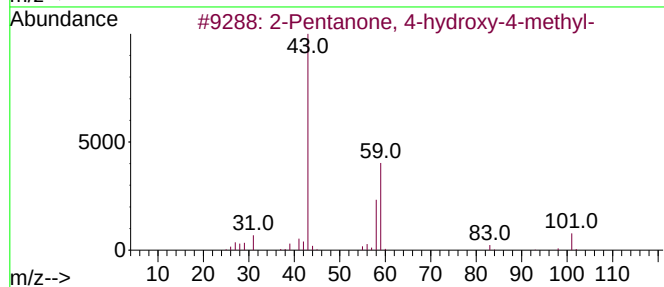
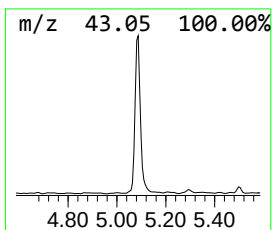
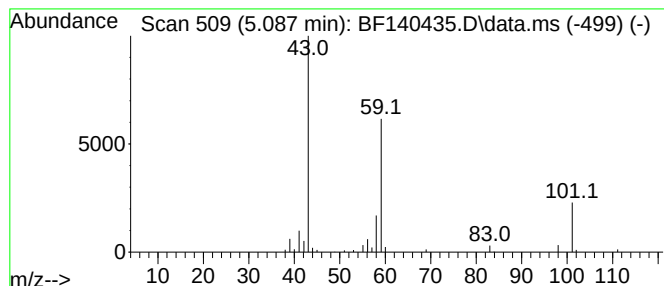
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.087	2.52 ng	86219	1,4-Dichlorobenzene-d4	6.875

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2		Propane, 1-ethoxy-2-methyl-	102	C6H14O	000627-02-1	38
3		3-Hexanol, 4-ethyl-	130	C8H18O	019780-44-0	28
4		Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
5		3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	17



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
Data File : BF140435.D
Acq On : 16 Nov 2024 17:34
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Sample : P4768-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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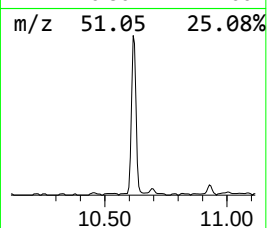
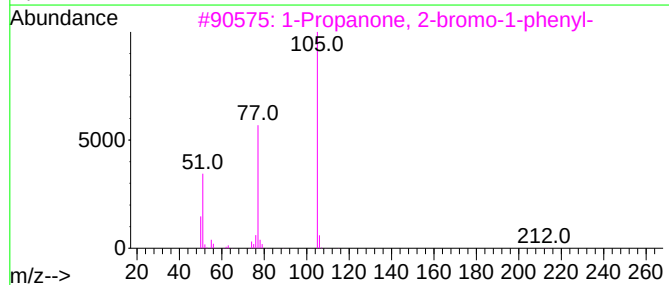
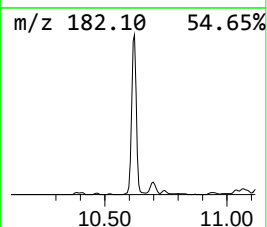
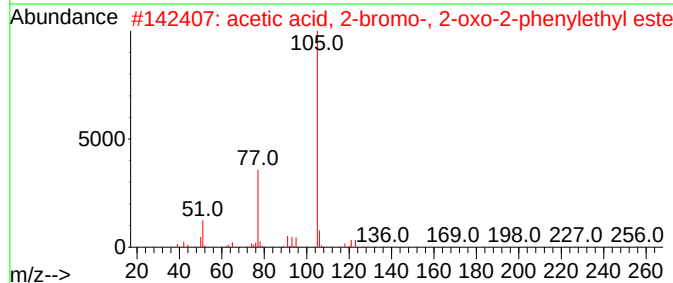
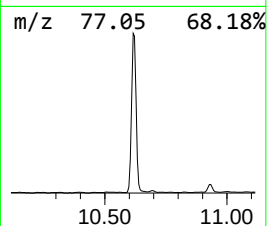
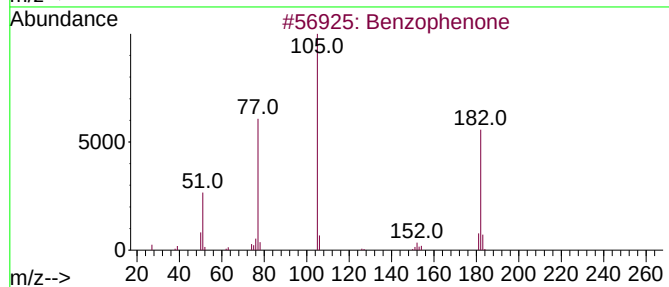
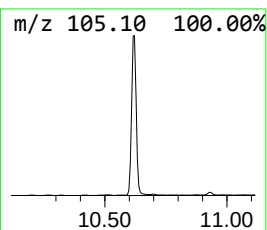
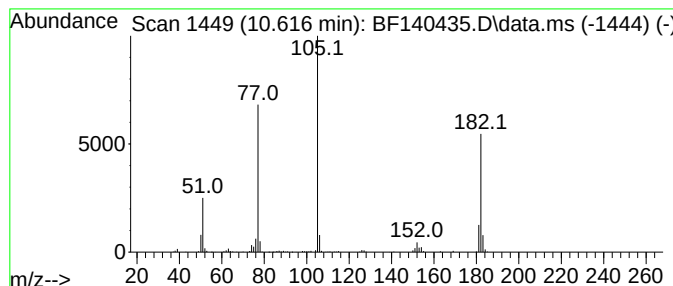
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Benzophenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.616	7.62 ng	375522	Acenaphthene-d10	9.910

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			acetic acid, 2-bromo-, 2-oxo-2-p...	256	C10H9BrO3	1000401-50-0	47
3			1-Propanone, 2-bromo-1-phenyl-	212	C9H9BrO	002114-00-3	47
4			Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	47
5			1-Propanone, 3-chloro-1-phenyl-	168	C9H9ClO	000936-59-4	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
Data File : BF140435.D
Acq On : 16 Nov 2024 17:34
Operator : RC/JU
Sample : P4768-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-3-2

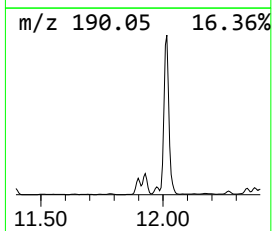
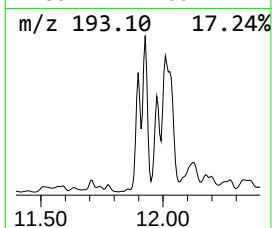
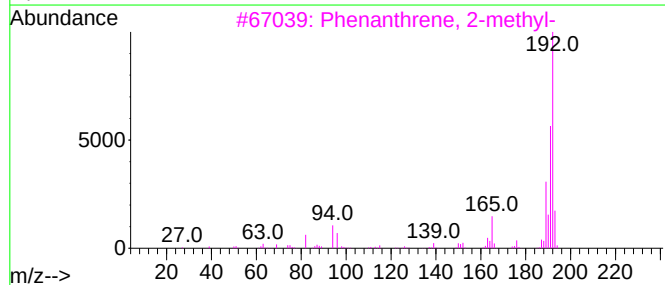
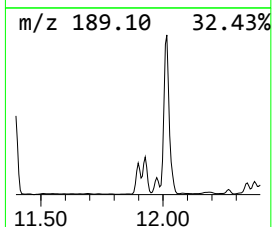
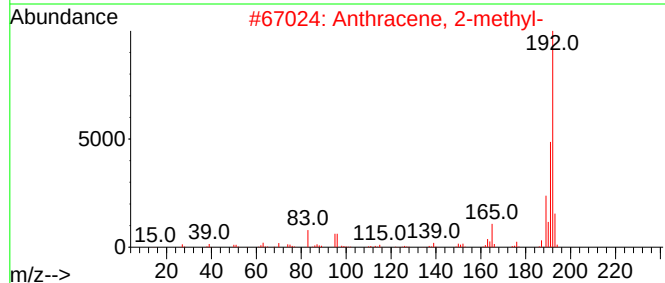
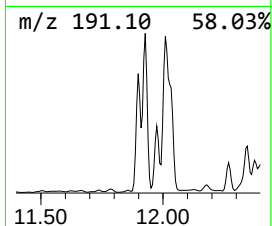
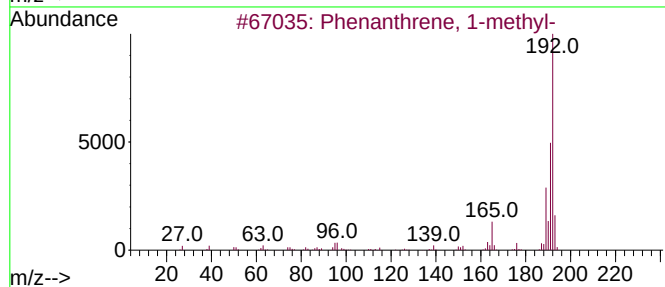
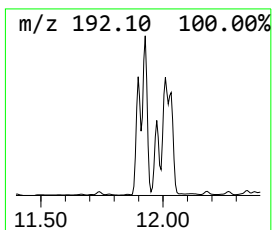
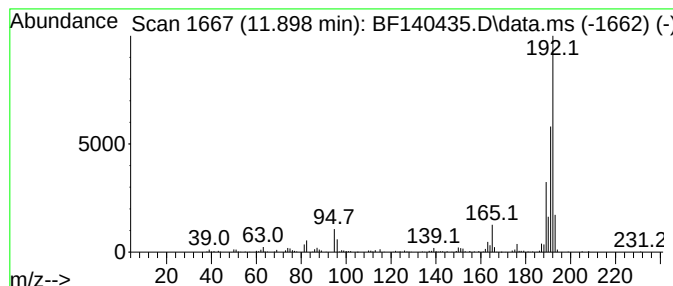
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.898	5.04 ng	248811	Phenanthrene-d10	11.398

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2			Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
3			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4			1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5			Anthracene, 9-methyl-	192	C15H12	000779-02-2	95



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
Data File : BF140435.D
Acq On : 16 Nov 2024 17:34
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Sample : P4768-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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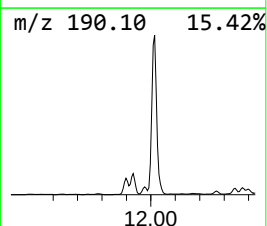
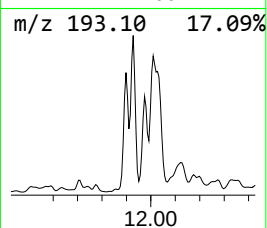
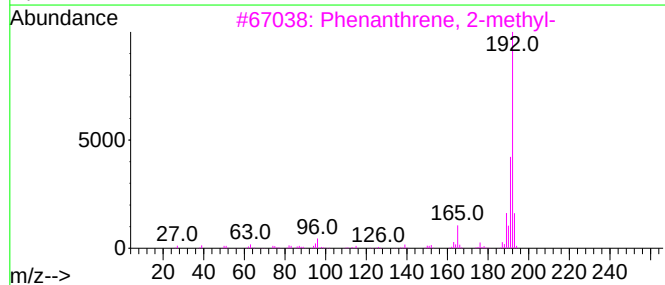
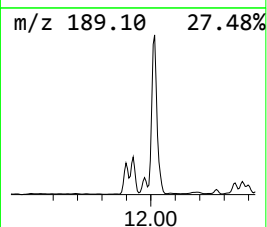
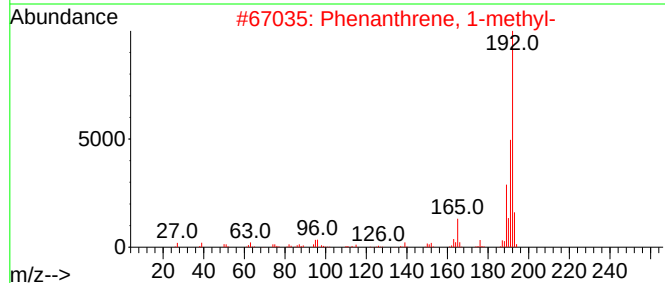
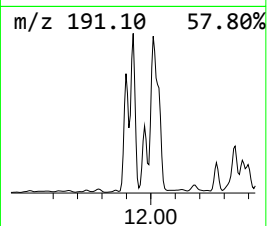
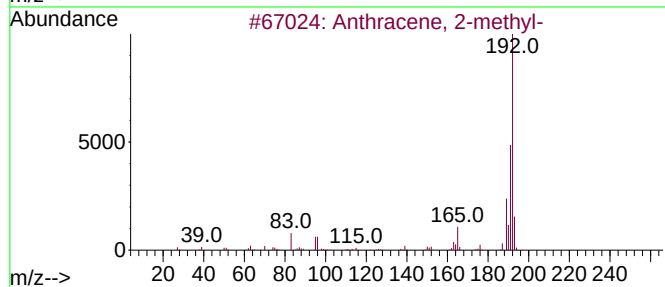
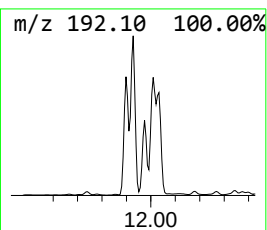
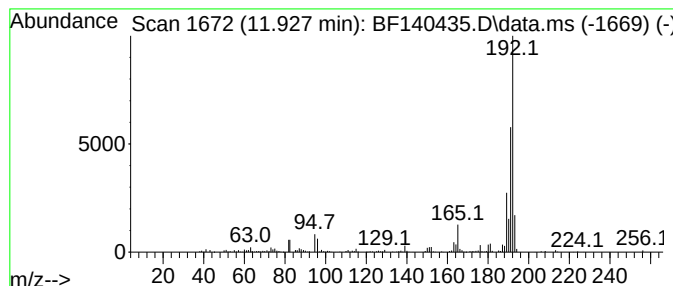
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Anthracene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.927	8.03 ng	396303	Phenanthrene-d10	11.398

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
2			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4			Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5			1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	94



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
Data File : BF140435.D
Acq On : 16 Nov 2024 17:34
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Sample : P4768-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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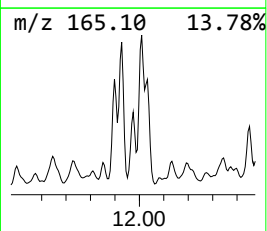
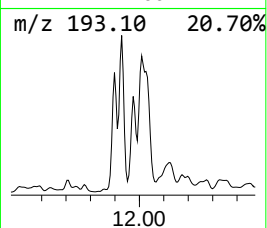
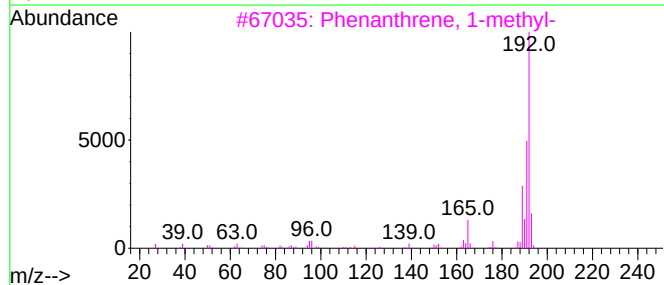
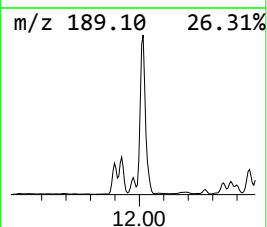
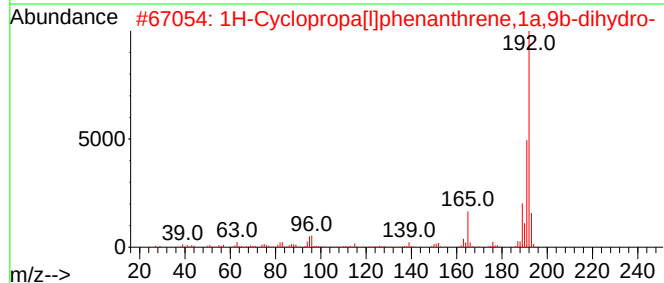
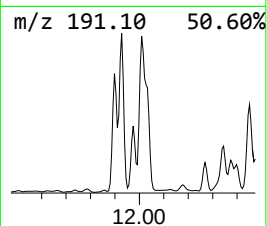
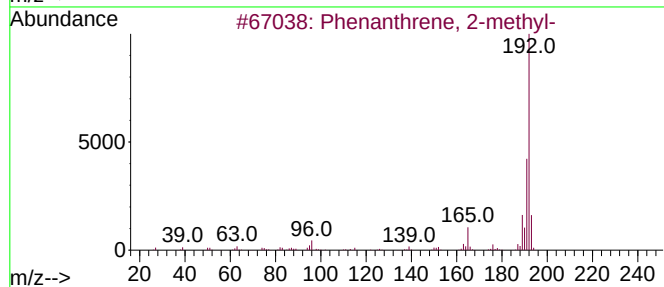
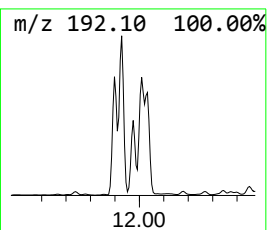
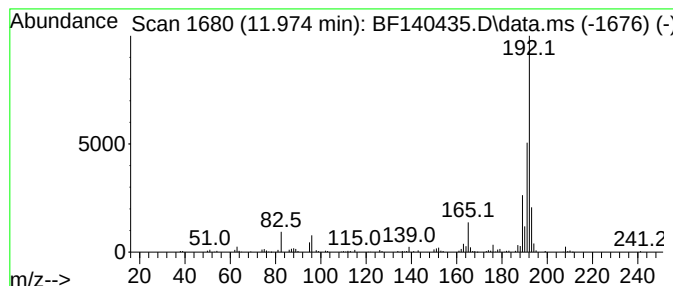
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.974	2.90 ng	143017	Phenanthrene-d10	11.398

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2			1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4			Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5			1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
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Acq On : 16 Nov 2024 17:34
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Misc :
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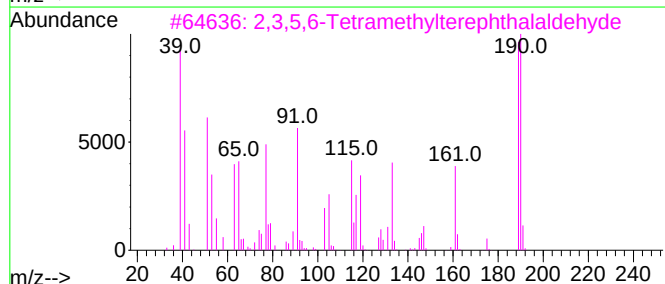
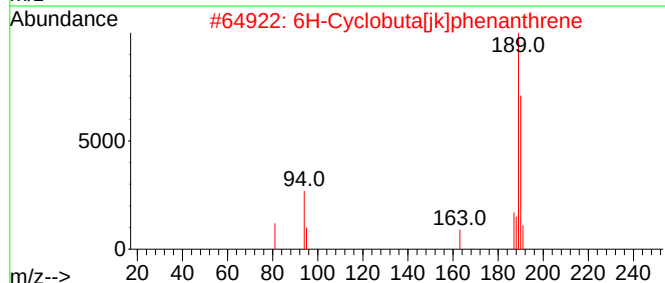
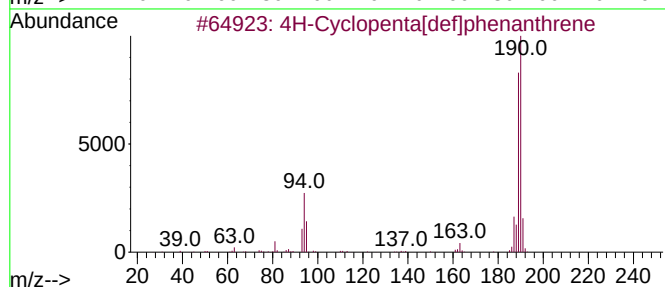
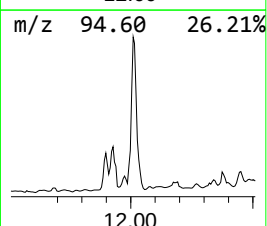
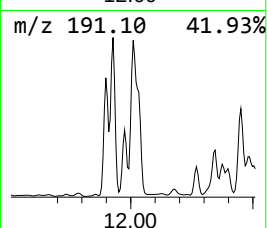
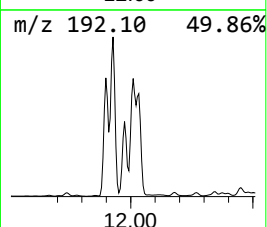
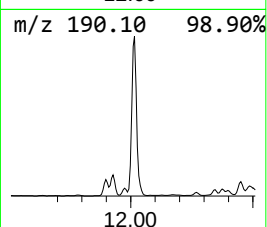
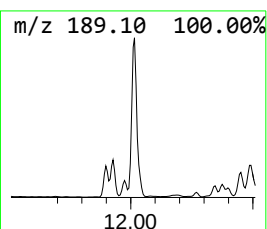
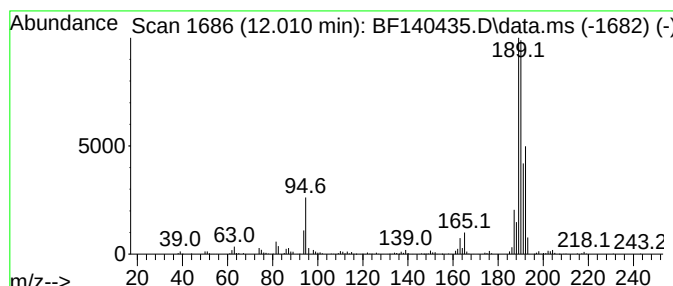
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.010	15.42 ng	761167	Phenanthrene-d10	11.398	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
4	4,6-Dichloro-2-ethylpyrimidin-5-...	191	C6H7Cl2N3	006237-96-3	43
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	37



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
Data File : BF140435.D
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Operator : RC/JU
Sample : P4768-02
Misc :
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Instrument :
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ClientSampleId :
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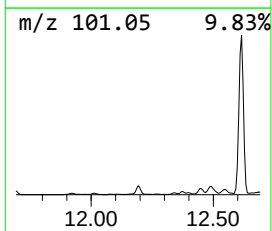
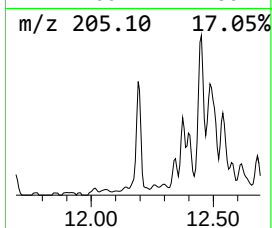
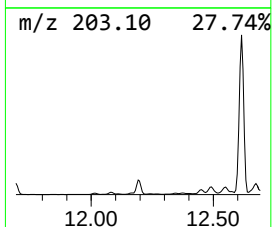
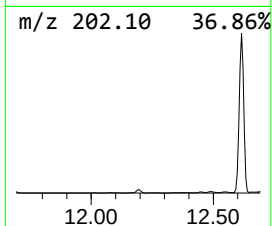
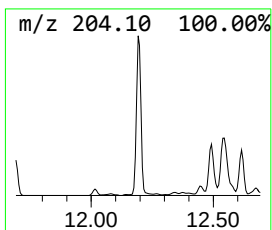
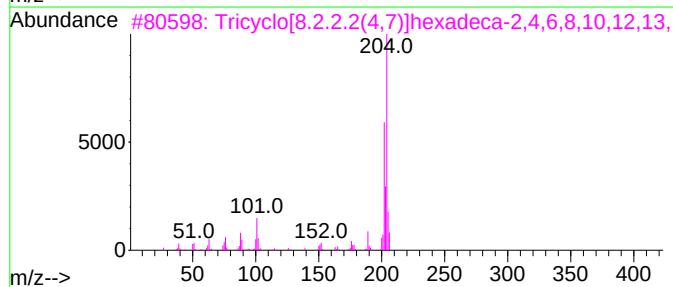
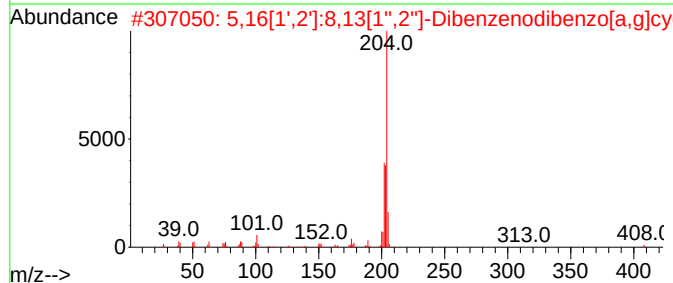
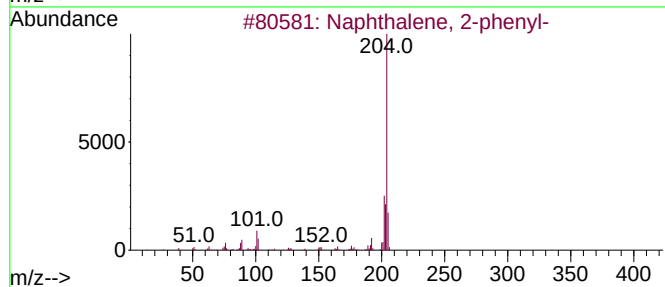
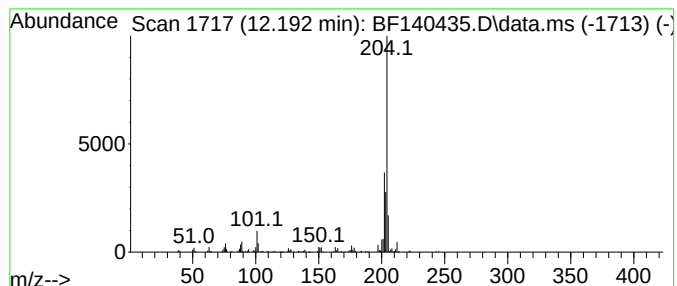
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Naphthalene, 2-phenyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.192	3.37 ng	166158	Phenanthrene-d10	11.398

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2			5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3			Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64
4			9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62
5			Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	58



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
Data File : BF140435.D
Acq On : 16 Nov 2024 17:34
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ClientSampleId :
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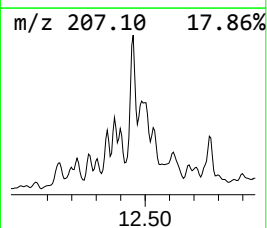
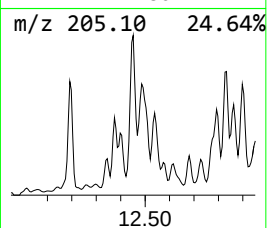
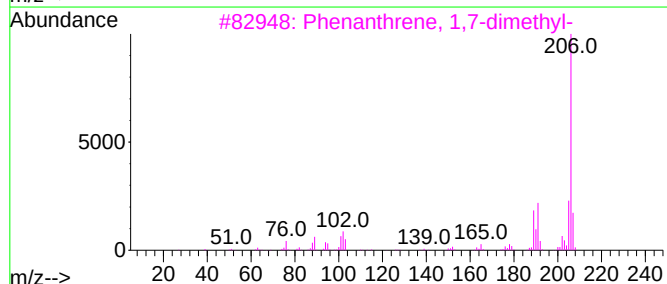
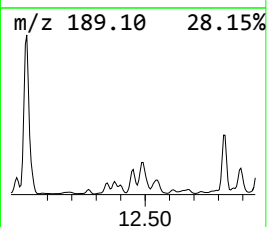
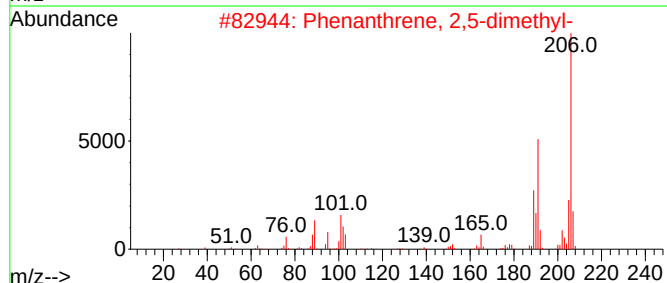
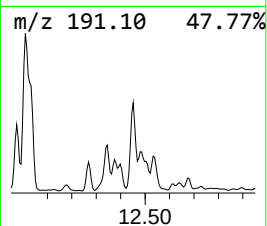
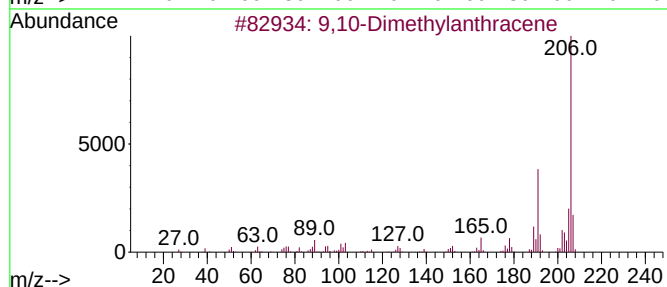
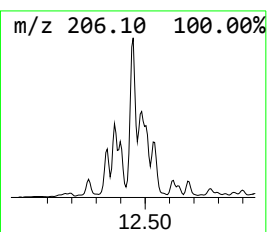
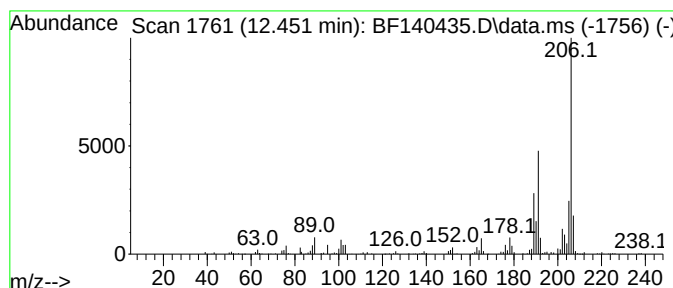
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 9,10-Dimethylantracene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.451	5.14 ng	253576	Phenanthrene-d10	11.398

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		9,10-Dimethylantracene	206	C16H14	000781-43-1	96
2		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
3		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	94
4		di-p-Tolylacetylene	206	C16H14	002789-88-0	93
5		Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
Data File : BF140435.D
Acq On : 16 Nov 2024 17:34
Operator : RC/JU
Sample : P4768-02
Misc :
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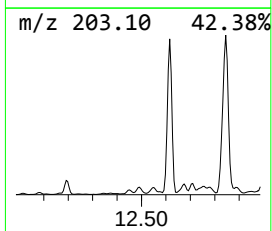
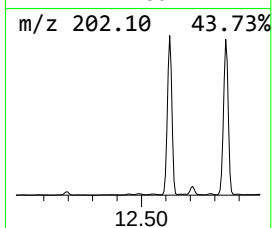
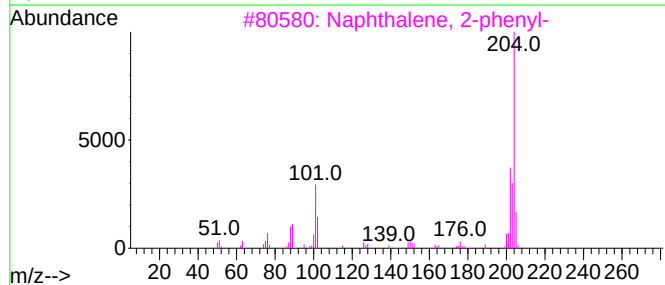
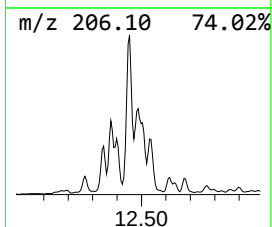
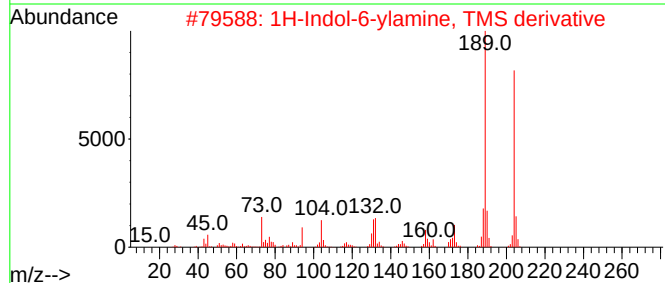
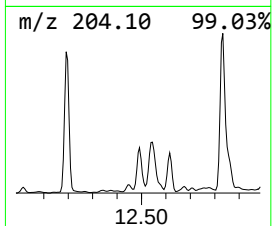
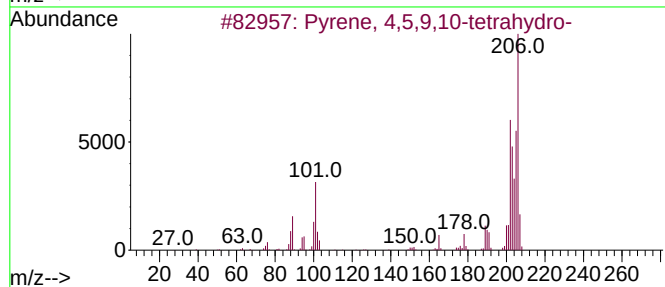
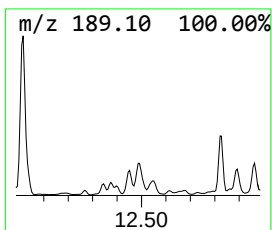
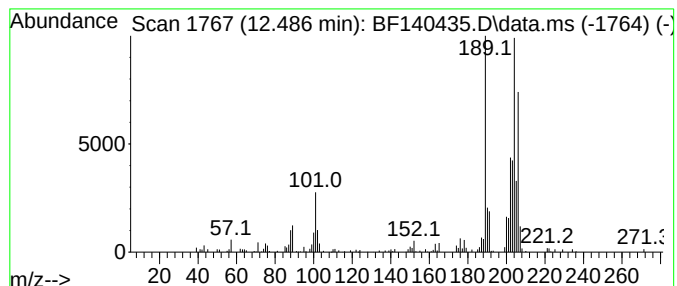
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Pyrene, 4,5,9,10-tetrahydro- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.486	4.84 ng	239182	Phenanthrene-d10	11.398

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	51
2			1H-Indol-6-ylamine, TMS derivative	204	C11H16N2Si	1000484-86-1	43
3			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	42
4			Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	38
5			1,2,4,8-Tetramethylbicyclo[6.3.0...]	204	C15H24	137235-51-9	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
Data File : BF140435.D
Acq On : 16 Nov 2024 17:34
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Sample : P4768-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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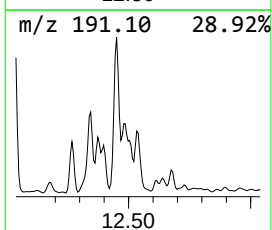
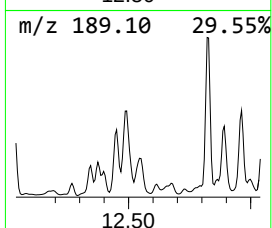
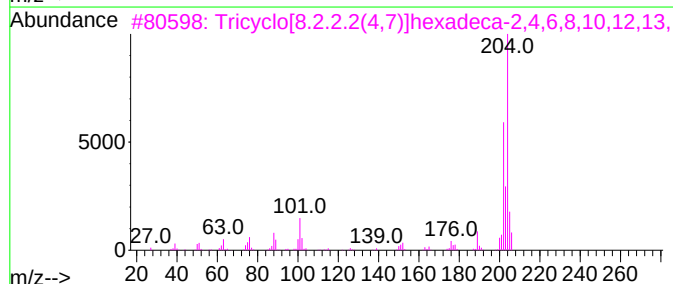
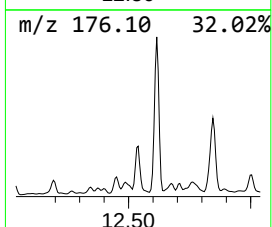
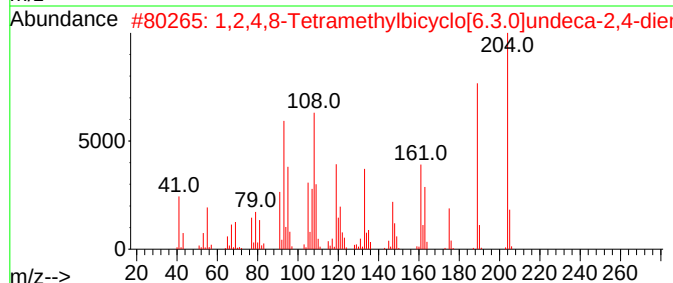
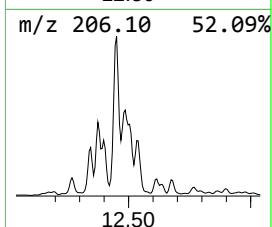
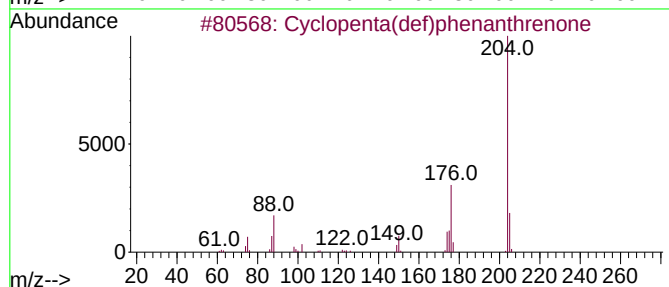
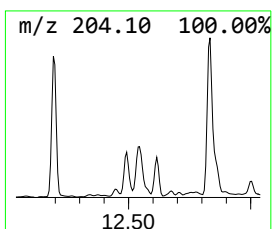
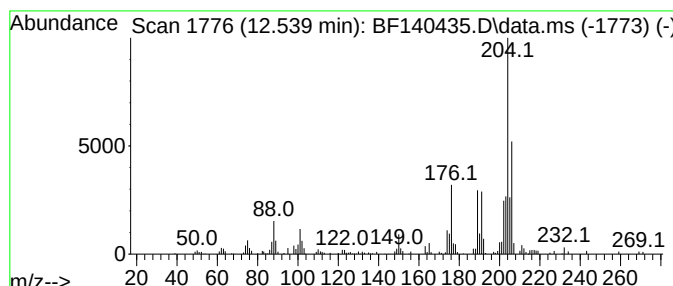
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 unknown12.539 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.539	2.91 ng	143634	Phenanthrene-d10	11.398

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	46
2		1,2,4,8-Tetramethylbicyclo[6.3.0...]	204	C15H24	137235-51-9	43
3		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	43
4		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	43
5		[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
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Sample : P4768-02
Misc :
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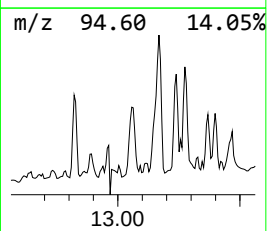
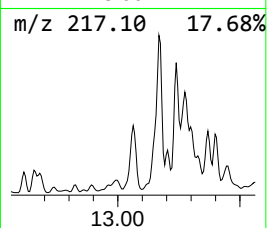
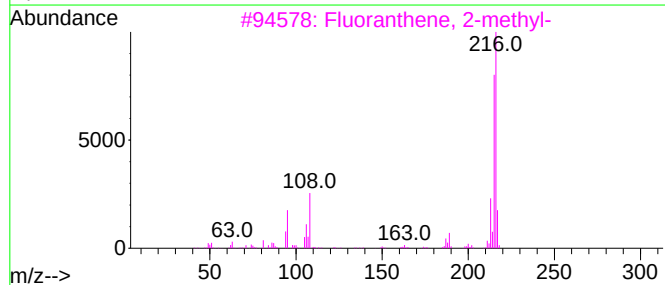
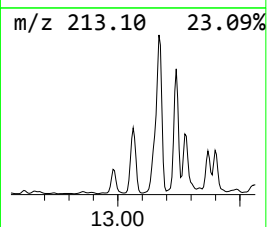
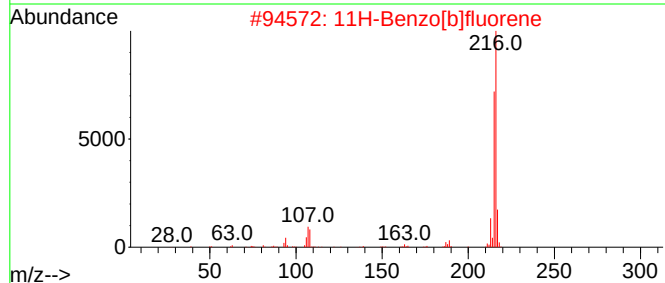
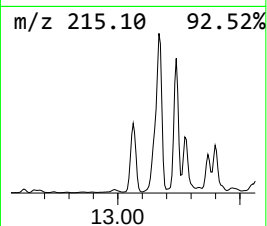
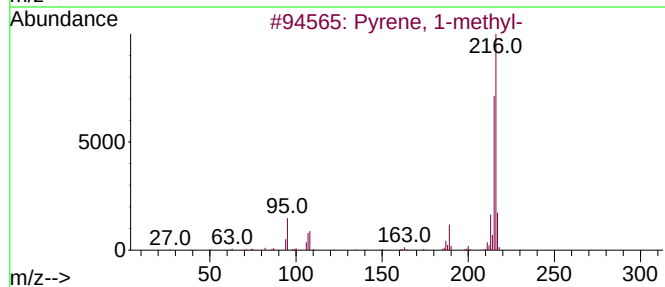
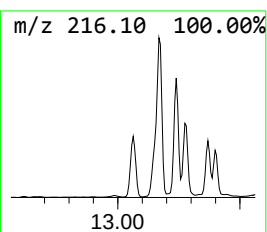
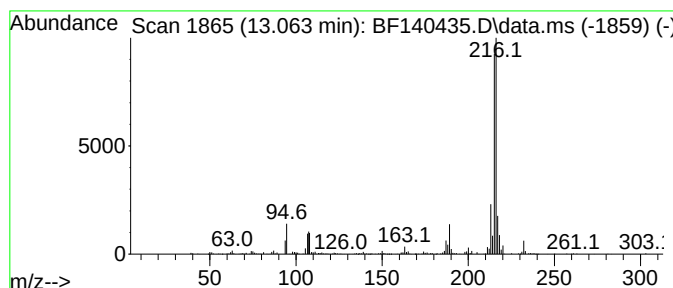
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 Pyrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.063	3.52 ng	523340	Chrysene-d12	14.045
Hit#	of 5	Tentative ID	MW MolForm	CAS# Qual
1		Pyrene, 1-methyl-	216 C17H12	002381-21-7 95
2		11H-Benzo[b]fluorene	216 C17H12	000243-17-4 87
3		Fluoranthene, 2-methyl-	216 C17H12	033543-31-6 76
4		Pyrene, 2-methyl-	216 C17H12	003442-78-2 70
5		11H-Benzo[a]fluorene	216 C17H12	000238-84-6 70



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
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Misc :
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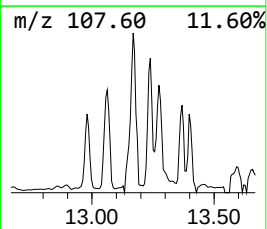
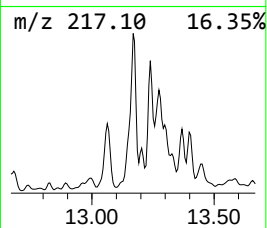
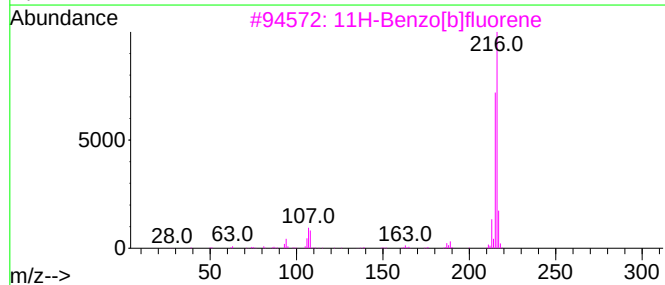
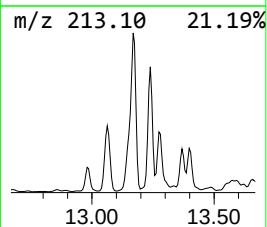
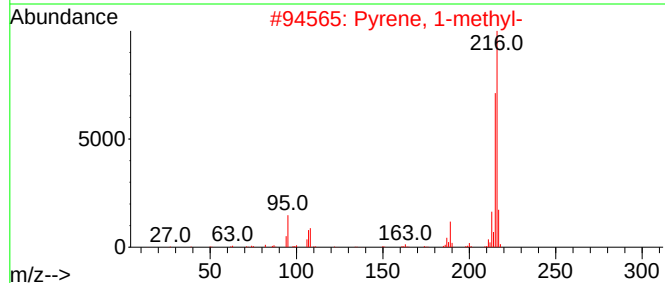
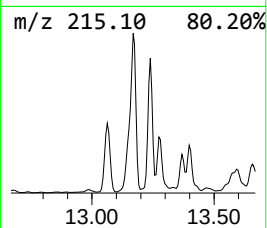
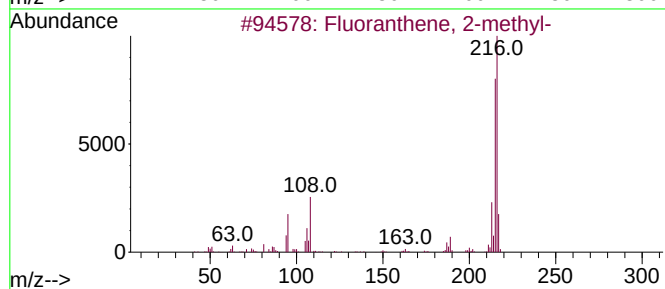
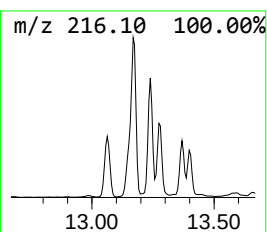
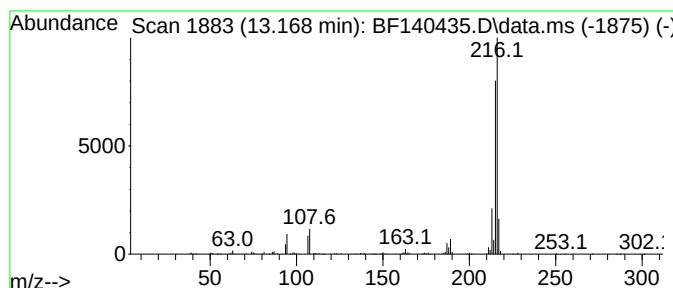
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 Fluoranthene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.169	6.08 ng	904114	Chrysene-d12	14.045	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
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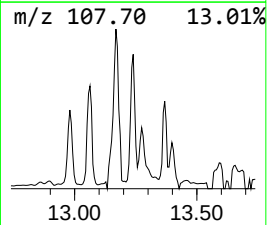
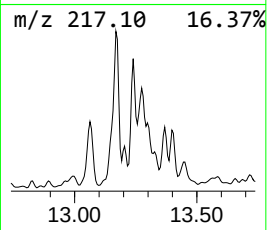
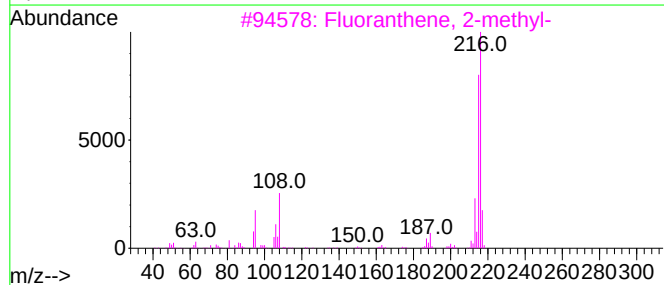
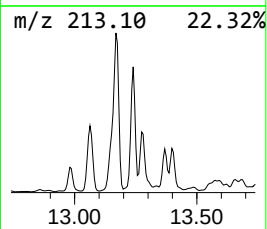
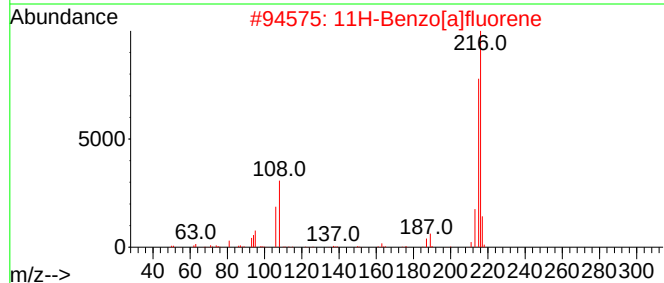
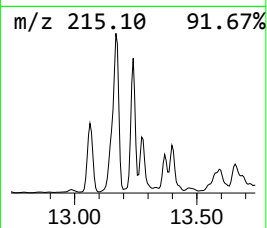
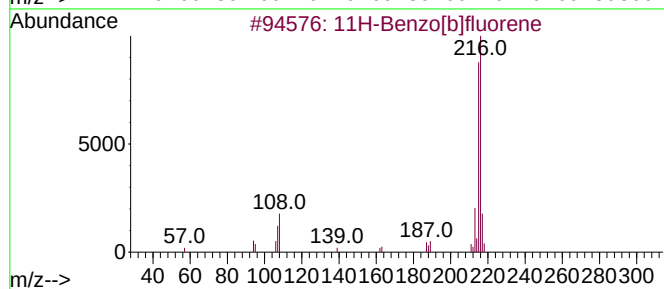
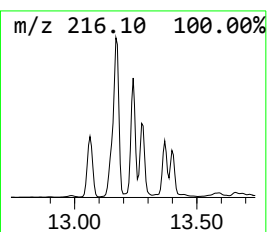
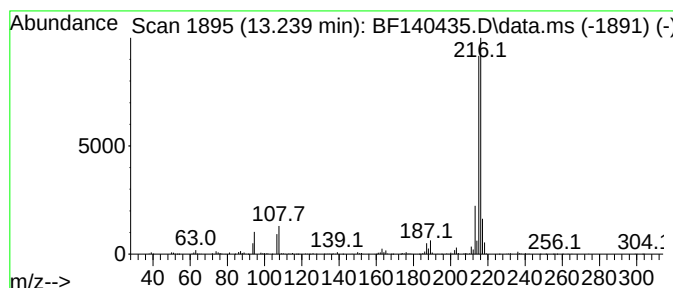
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 11H-Benzo[b]fluorene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.239	3.49 ng	519138	Chrysene-d12	14.045	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	68



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
Data File : BF140435.D
Acq On : 16 Nov 2024 17:34
Operator : RC/JU
Sample : P4768-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-3-2

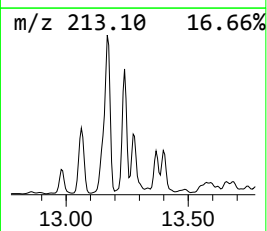
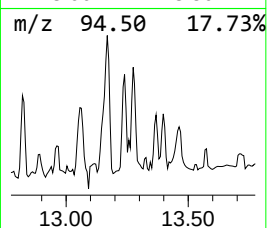
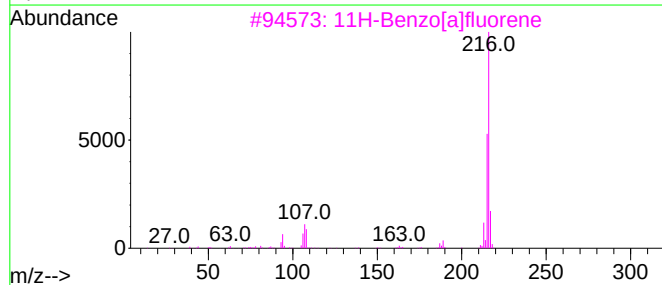
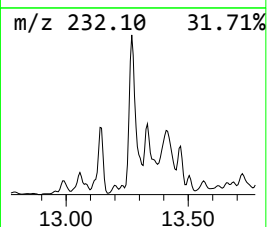
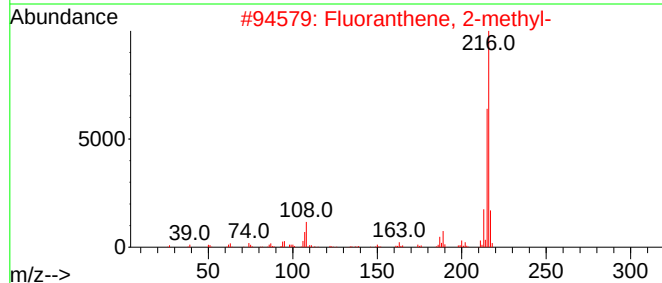
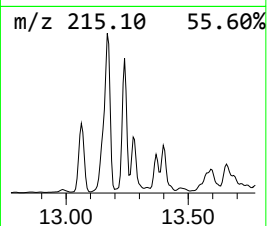
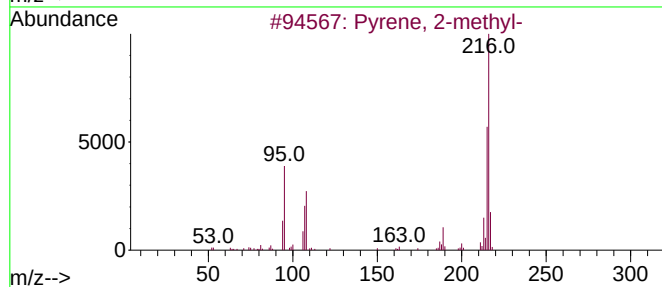
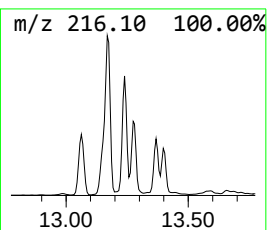
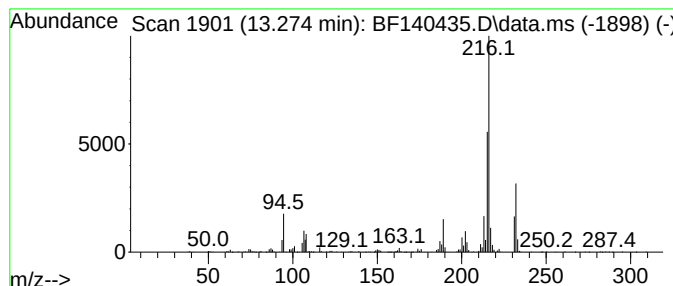
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 Pyrene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.274	3.40 ng	505804	Chrysene-d12	14.045

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
2			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83
3			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	62
4			Pyrene, 4-methyl-	216	C17H12	003353-12-6	60
5			Pyrene, 1-methyl-	216	C17H12	002381-21-7	53



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
Data File : BF140435.D
Acq On : 16 Nov 2024 17:34
Operator : RC/JU
Sample : P4768-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-3-2

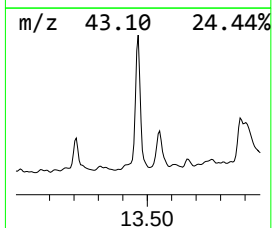
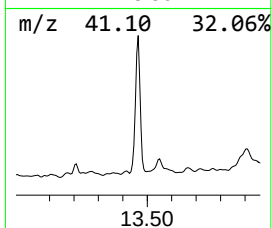
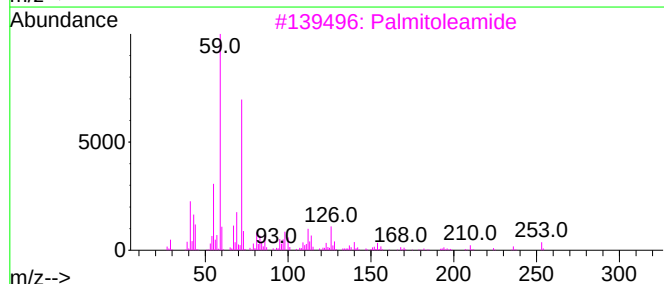
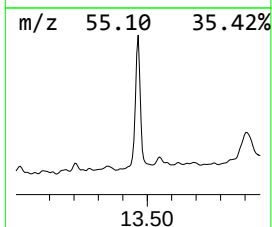
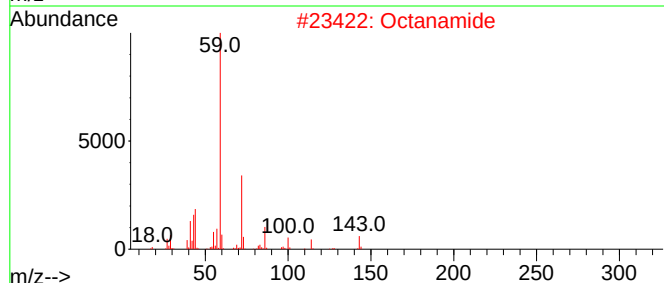
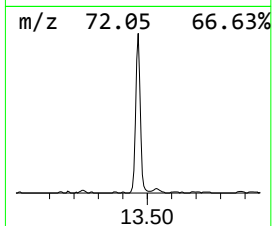
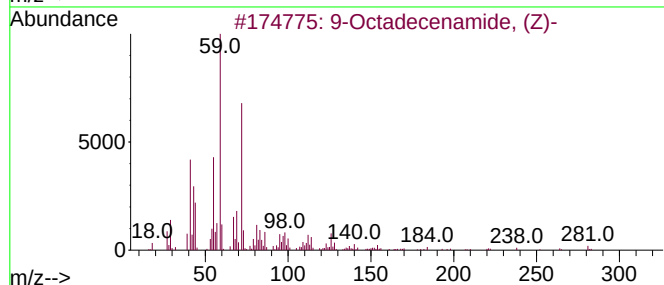
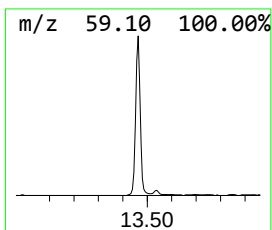
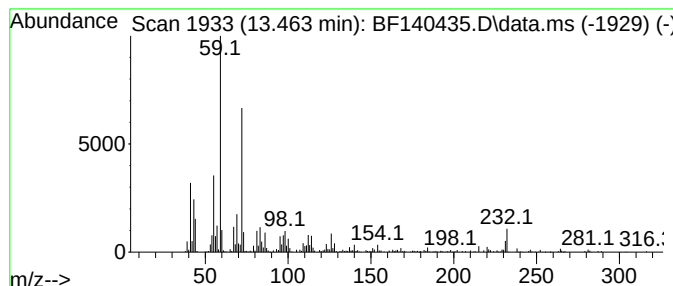
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 9-Octadecenamide, (Z)- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.463	3.04 ng	452110	Chrysene-d12	14.045

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9-Octadecenamide, (Z)-	281	C18H35NO	000301-02-0	98
2			Octanamide	143	C8H17NO	000629-01-6	59
3			Palmitoleamide	253	C16H31NO	106010-22-4	55
4			Pentanamide, 4-methyl-	115	C6H13NO	001119-29-5	53
5			Methyl 17-methoxy-10-methoxycarb...	386	C22H42O5	1000110-20-7	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
Data File : BF140435.D
Acq On : 16 Nov 2024 17:34
Operator : RC/JU
Sample : P4768-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-3-2

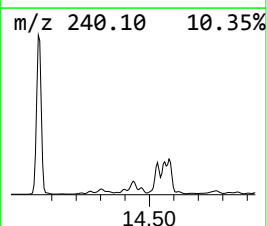
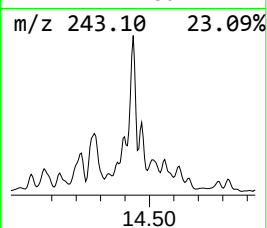
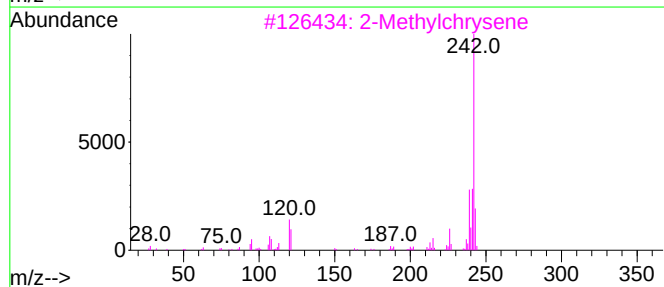
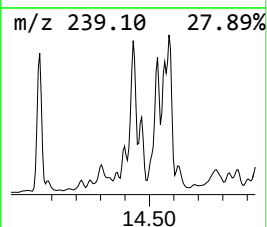
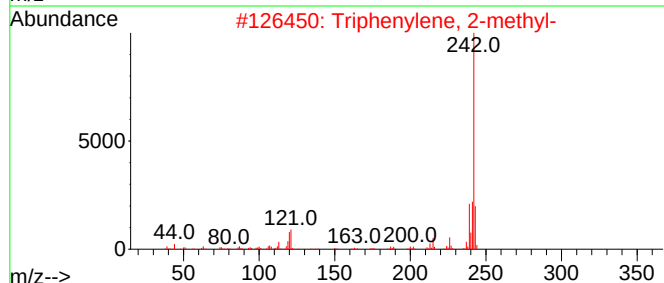
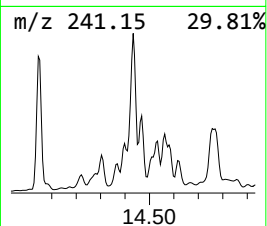
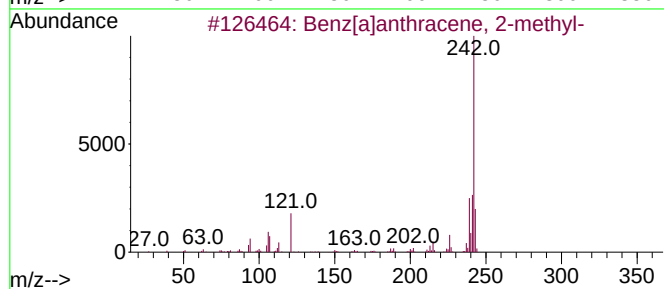
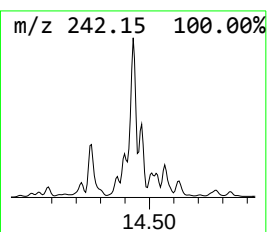
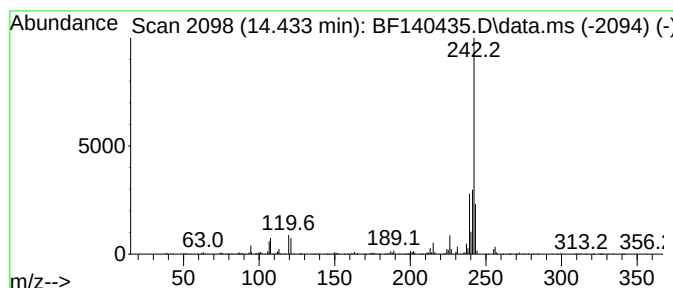
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 Benz[a]anthracene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.433	2.59 ng	385374	Chrysene-d12	14.045

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benz[a]anthracene, 2-methyl-	242	C19H14	002498-76-2	95
2			Triphenylene, 2-methyl-	242	C19H14	001705-84-6	95
3			2-Methylchrysene	242	C19H14	003351-32-4	93
4			Chrysene, 1-methyl-	242	C19H14	003351-28-8	93
5			Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
Data File : BF140435.D
Acq On : 16 Nov 2024 17:34
Operator : RC/JU
Sample : P4768-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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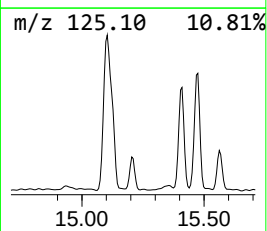
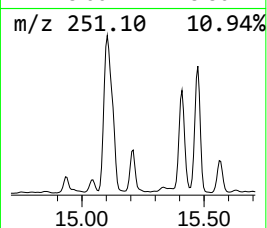
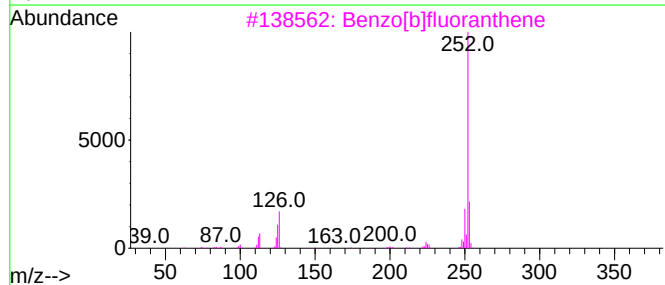
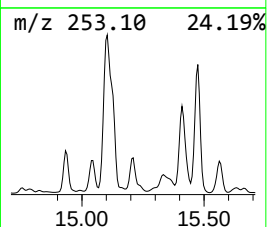
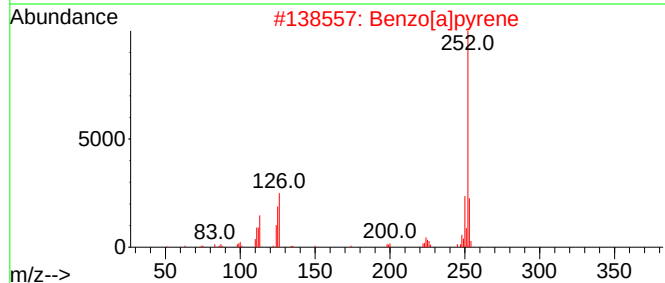
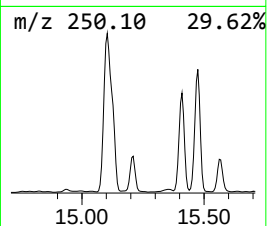
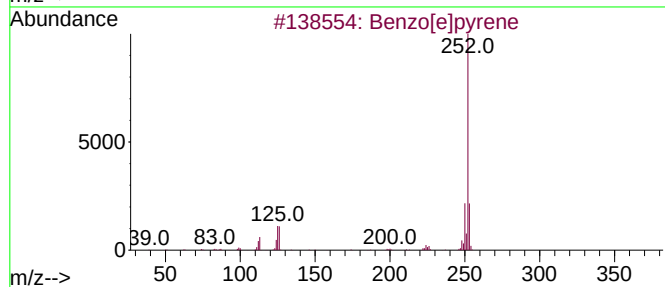
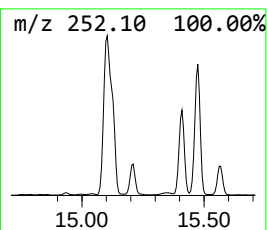
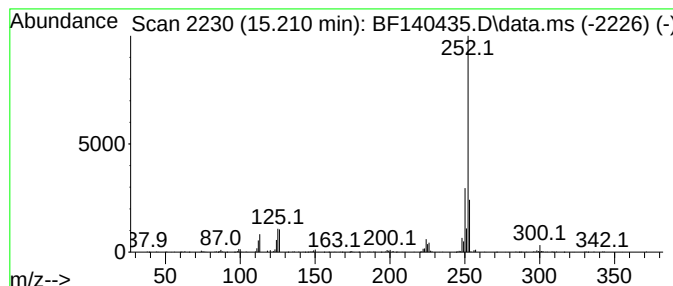
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.210	7.79 ng	222277	Perylene-d12	15.533

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	96
2			Benzo[a]pyrene	252	C20H12	000050-32-8	93
3			Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
4			Benzo[k]fluoranthene	252	C20H12	000207-08-9	91
5			Perylene	252	C20H12	000198-55-0	81



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
Data File : BF140435.D
Acq On : 16 Nov 2024 17:34
Operator : RC/JU
Sample : P4768-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-3-2

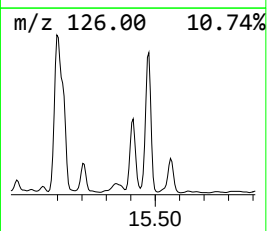
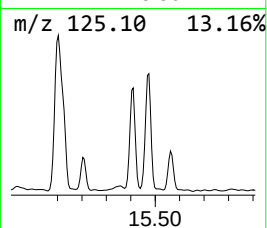
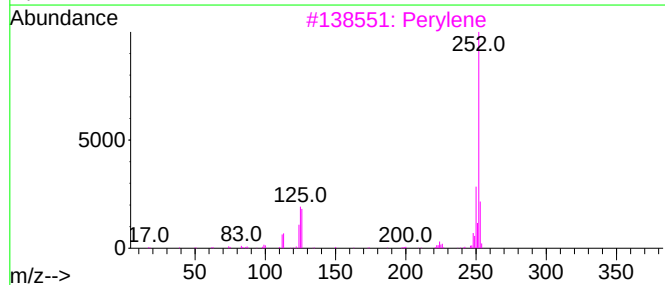
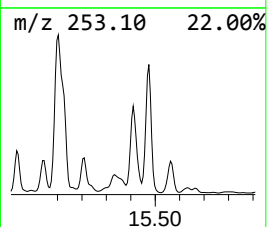
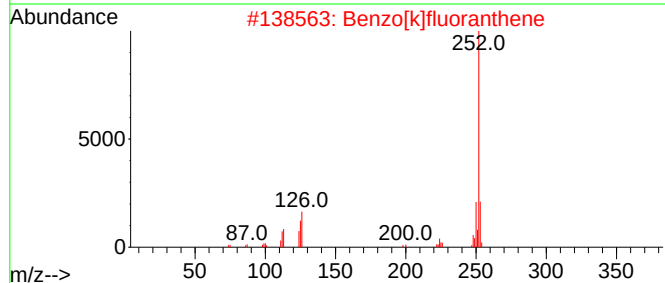
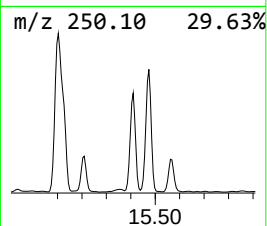
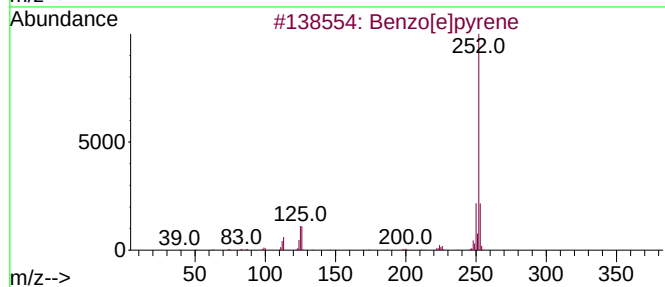
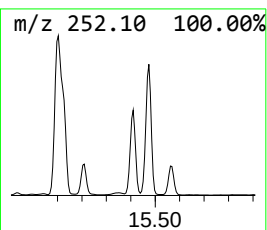
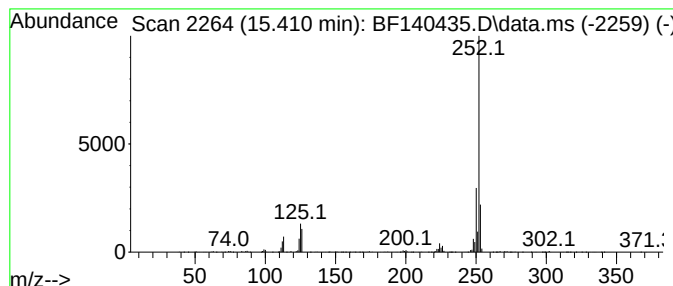
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 Perylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.410	30.03 ng	857136	Perylene-d12	15.533

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	99
2			Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
3			Perylene	252	C20H12	000198-55-0	95
4			Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
5			Benzo[a]pyrene	252	C20H12	000050-32-8	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
Data File : BF140435.D
Acq On : 16 Nov 2024 17:34
Operator : RC/JU
Sample : P4768-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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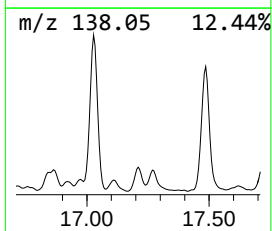
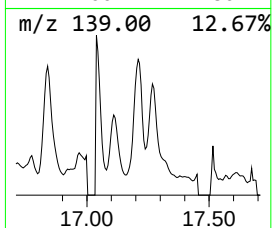
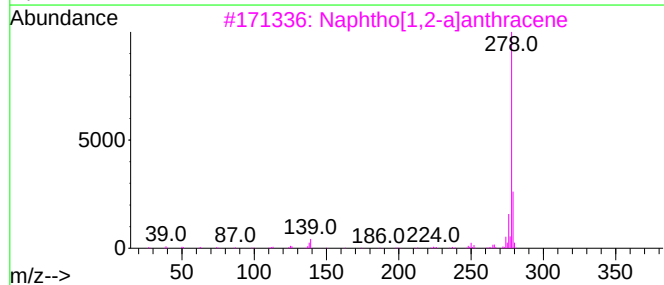
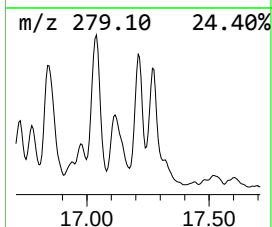
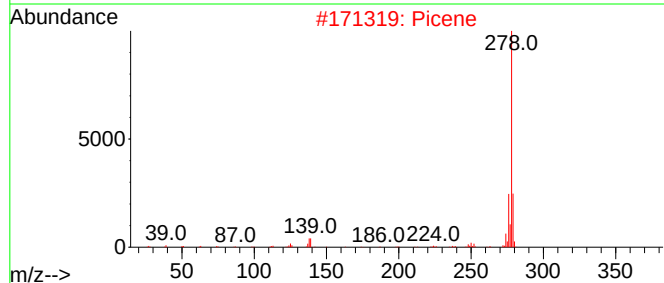
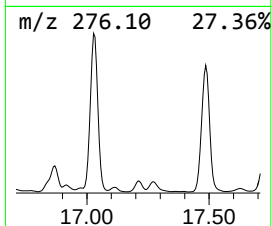
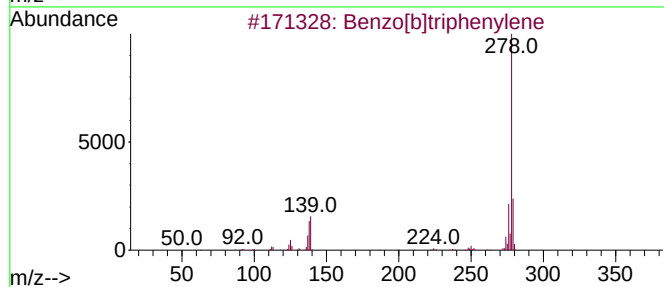
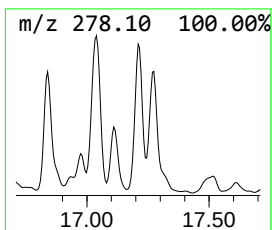
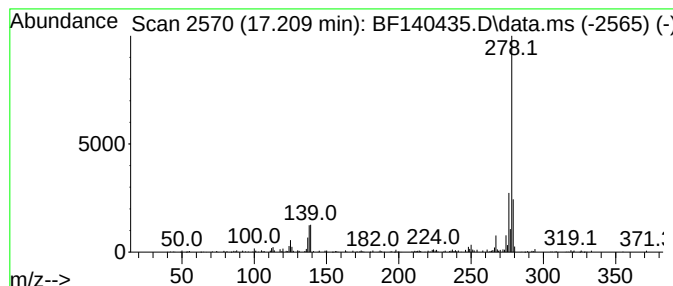
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 Benzo[b]triphenylene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.209	4.86 ng	138797	Perylene-d12	15.533

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzo[b]triphenylene	278	C22H14	000215-58-7	98
2		Picene	278	C22H14	000213-46-7	97
3		Naphtho[1,2-a]anthracene	278	C22H14	000195-06-2	95
4		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	93
5		Pentaphene	278	C22H14	000222-93-5	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
Data File : BF140435.D
Acq On : 16 Nov 2024 17:34
Operator : RC/JU
Sample : P4768-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-3-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-metho...	2.122	41.8	ng	1429580	1	6.875	683837	20.0
2-Pentanone, 4-...	5.087	2.5	ng	86219	1	6.875	683837	20.0
Benzophenone	10.616	7.6	ng	375522	3	9.910	985322	20.0
Phenanthrene, 1...	11.898	5.0	ng	248811	4	11.398	987474	20.0
Anthracene, 2-m...	11.927	8.0	ng	396303	4	11.398	987474	20.0
Phenanthrene, 2...	11.974	2.9	ng	143017	4	11.398	987474	20.0
4H-Cyclopenta[d...	12.010	15.4	ng	761167	4	11.398	987474	20.0
Naphthalene, 2-...	12.192	3.4	ng	166158	4	11.398	987474	20.0
9,10-Dimethylan...	12.451	5.1	ng	253576	4	11.398	987474	20.0
Pyrene, 4,5,9,1...	12.486	4.8	ng	239182	4	11.398	987474	20.0
unknown12.539	12.539	2.9	ng	143634	4	11.398	987474	20.0
Pyrene, 1-methyl-	13.063	3.5	ng	523340	5	14.045	2975500	20.0
Fluoranthene, 2...	13.169	6.1	ng	904114	5	14.045	2975500	20.0
11H-Benzo[b]flu...	13.239	3.5	ng	519138	5	14.045	2975500	20.0
Pyrene, 2-methyl-	13.274	3.4	ng	505804	5	14.045	2975500	20.0
9-Octadecenamid...	13.463	3.0	ng	452110	5	14.045	2975500	20.0
Benz[a]anthrace...	14.433	2.6	ng	385374	5	14.045	2975500	20.0
Benzo[e]pyrene	15.210	7.8	ng	222277	6	15.533	570847	20.0
Perylene	15.410	30.0	ng	857136	6	15.533	570847	20.0
Benzo[b]triphen...	17.209	4.9	ng	138797	6	15.533	570847	20.0

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-3-3	SDG No.:	P4768
Lab Sample ID:	P4768-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.8
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140482.D	1	11/08/24 09:45	11/19/24 19:02	PB164789

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	200	U	200	360	ug/Kg
108-95-2	Phenol	90.2	U	90.2	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	91.1	U	91.1	190	ug/Kg
95-57-8	2-Chlorophenol	90.9	U	90.9	190	ug/Kg
95-48-7	2-Methylphenol	87.7	U	87.7	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	98.9	U	98.9	190	ug/Kg
98-86-2	Acetophenone	94.6	U	94.6	190	ug/Kg
65794-96-9	3+4-Methylphenols	86.8	U	86.8	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	43.9	U	43.9	87.1	ug/Kg
67-72-1	Hexachloroethane	90.3	U	90.3	190	ug/Kg
98-95-3	Nitrobenzene	98.8	U	98.8	190	ug/Kg
78-59-1	Isophorone	92.1	U	92.1	190	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	190	ug/Kg
105-67-9	2,4-Dimethylphenol	100	U	100	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	93.4	U	93.4	190	ug/Kg
120-83-2	2,4-Dichlorophenol	82.2	U	82.2	190	ug/Kg
91-20-3	Naphthalene	89.9	U	89.9	190	ug/Kg
106-47-8	4-Chloroaniline	89.9	U	89.9	190	ug/Kg
87-68-3	Hexachlorobutadiene	90.7	U	90.7	190	ug/Kg
105-60-2	Caprolactam	94.5	U	94.5	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	84.3	U	84.3	190	ug/Kg
91-57-6	2-Methylnaphthalene	89.8	U	89.8	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	170	U	170	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	77.7	U	77.7	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	80.5	U	80.5	190	ug/Kg
92-52-4	1,1-Biphenyl	95.1	U	95.1	190	ug/Kg
91-58-7	2-Chloronaphthalene	90.7	U	90.7	190	ug/Kg
88-74-4	2-Nitroaniline	100	U	100	190	ug/Kg
131-11-3	Dimethylphthalate	88.9	U	88.9	190	ug/Kg

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-3-3	SDG No.:	P4768
Lab Sample ID:	P4768-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.8
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140482.D	1	11/08/24 09:45	11/19/24 19:02	PB164789

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	94.1	U	94.1	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	90.5	U	90.5	190	ug/Kg
99-09-2	3-Nitroaniline	97.1	U	97.1	190	ug/Kg
83-32-9	Acenaphthene	88.3	U	88.3	190	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	360	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	360	ug/Kg
132-64-9	Dibenzofuran	91.8	U	91.8	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	93.8	U	93.8	190	ug/Kg
84-66-2	Diethylphthalate	87.2	U	87.2	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	93.2	U	93.2	190	ug/Kg
86-73-7	Fluorene	93.0	U	93.0	190	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	U	130	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	88.8	U	88.8	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	85.9	U	85.9	190	ug/Kg
118-74-1	Hexachlorobenzene	92.5	U	92.5	190	ug/Kg
1912-24-9	Atrazine	99.5	U	99.5	190	ug/Kg
87-86-5	Pentachlorophenol	84.1	U	84.1	360	ug/Kg
85-01-8	Phenanthrene	91.4	U	91.4	190	ug/Kg
120-12-7	Anthracene	91.8	U	91.8	190	ug/Kg
86-74-8	Carbazole	87.4	U	87.4	190	ug/Kg
84-74-2	Di-n-butylphthalate	91.7	U	91.7	190	ug/Kg
206-44-0	Fluoranthene	88.9	U	88.9	190	ug/Kg
129-00-0	Pyrene	90.3	U	90.3	190	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	360	ug/Kg
56-55-3	Benzo(a)anthracene	87.8	U	87.8	190	ug/Kg
218-01-9	Chrysene	86.5	U	86.5	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	99.0	U	99.0	190	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	88.3	U	88.3	190	ug/Kg

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-3-3	SDG No.:	P4768
Lab Sample ID:	P4768-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.8
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140482.D	1	11/08/24 09:45	11/19/24 19:02	PB164789

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	89.9	U	89.9	190	ug/Kg
50-32-8	Benzo(a)pyrene	100	U	100	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	85.0	U	85.0	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	88.4	U	88.4	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	87.2	U	87.2	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	94.5	U	94.5	190	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	81.3	U	81.3	190	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	85.2		18 - 112	57%	SPK: 150
13127-88-3	Phenol-d6	80.3		15 - 107	54%	SPK: 150
4165-60-0	Nitrobenzene-d5	60.0		18 - 107	60%	SPK: 100
321-60-8	2-Fluorobiphenyl	68.5		20 - 109	69%	SPK: 100
118-79-6	2,4,6-Tribromophenol	72.9		10 - 116	49%	SPK: 150
1718-51-0	Terphenyl-d14	59.6		10 - 105	60%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	164000	6.875
1146-65-2	Naphthalene-d8	576000	8.151
15067-26-2	Acenaphthene-d10	259000	9.91
1517-22-2	Phenanthrene-d10	406000	11.398
1719-03-5	Chrysene-d12	266000	14.045
1520-96-3	Perylene-d12	205000	15.527

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	2200	JB	2.17	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	130	AB	5.10	ug/Kg
000629-59-4	Tetradecane	74.0	J	9.30	ug/Kg
000119-61-9	Benzophenone	350	J	10.6	ug/Kg
000629-50-5	Tridecane	80.9	J	10.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	210	J	11.9	ug/Kg
000886-66-8	Benzene, 1,1-(1,3-butadiyne-1,4-d	78.7	J	12.8	ug/Kg

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-3-3	SDG No.:	P4768
Lab Sample ID:	P4768-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.8
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140482.D	1	11/08/24 09:45	11/19/24 19:02	PB164789

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000301-02-0	9-Octadecenamide, (Z)-	490	J		13.5	ug/Kg

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\BF111924\
Data File : BF140482.D
Acq On : 19 Nov 2024 19:02
Operator : RC/JU
Sample : P4768-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-3-3

Quant Time: Nov 20 00:11:05 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	163847	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	576180	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	259394	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	406415	20.000	ng	0.00
76) Chrysene-d12	14.045	240	265711	20.000	ng	0.00
86) Perylene-d12	15.527	264	205466	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	817302	85.168	ng	0.02
7) Phenol-d6	6.510	99	1044463	80.334	ng	0.00
23) Nitrobenzene-d5	7.434	82	663118	59.964	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	188155	72.943	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	1105394	68.505	ng	0.00
79) Terphenyl-d14	12.980	244	911587	59.551	ng	0.00

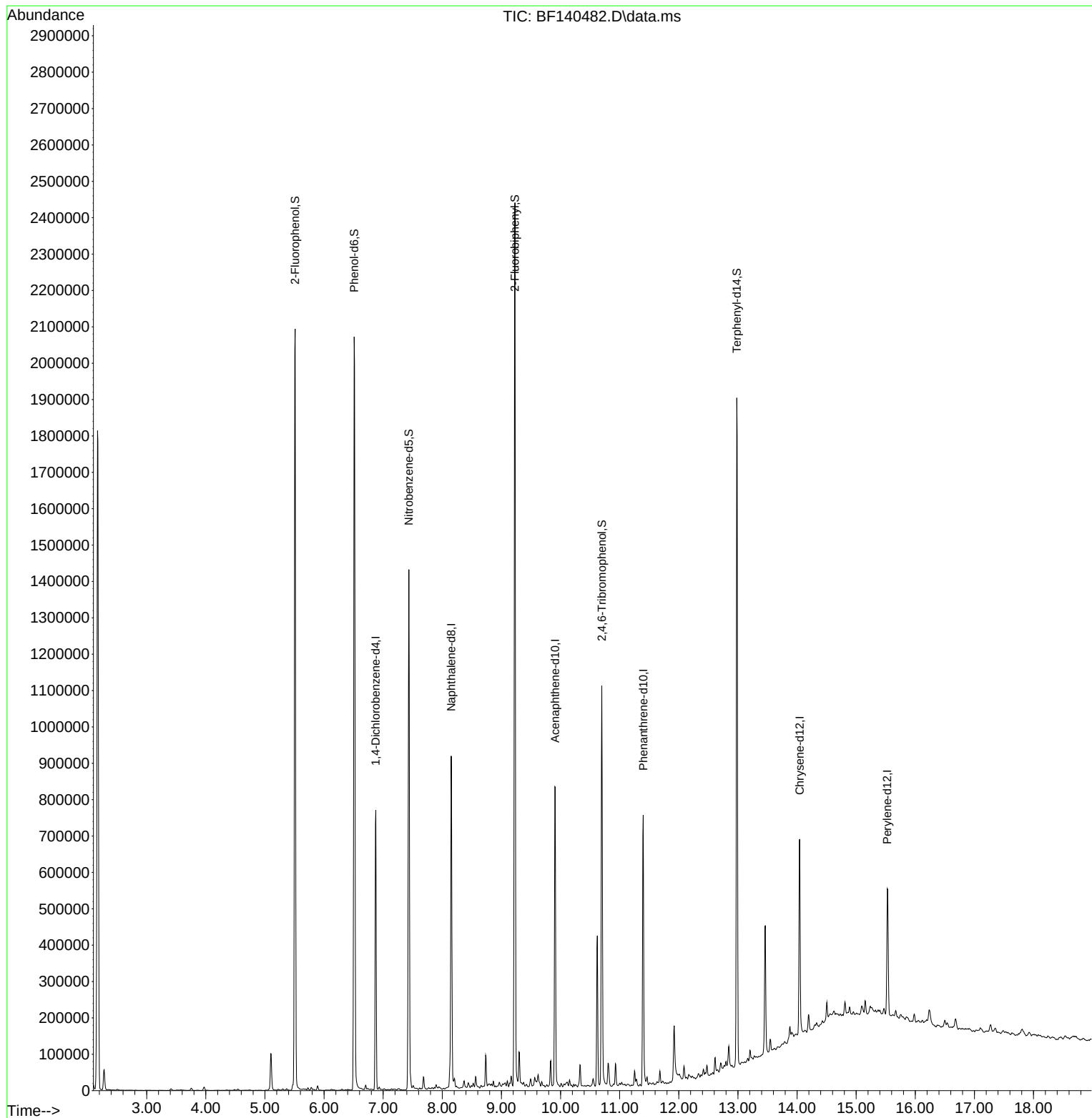
Target Compounds	Qvalue

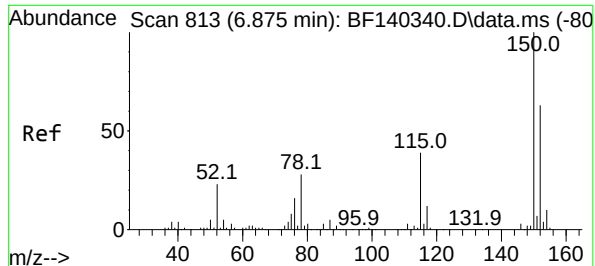
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111924\
Data File : BF140482.D
Acq On : 19 Nov 2024 19:02
Operator : RC/JU
Sample : P4768-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-3-3

Quant Time: Nov 20 00:11:05 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

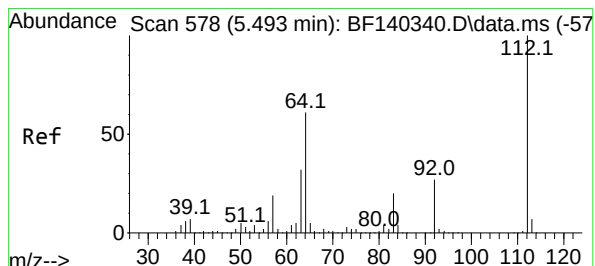
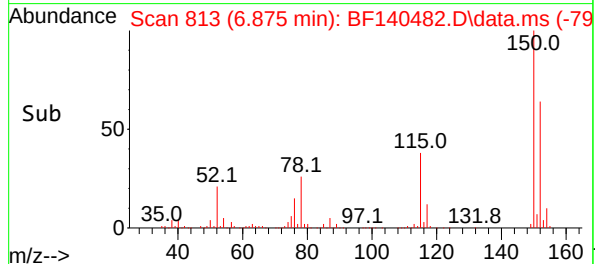
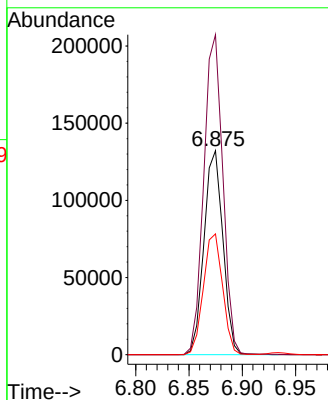
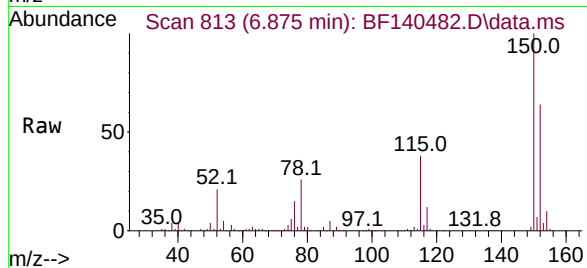




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF140482.D
Acq: 19 Nov 2024 19:02

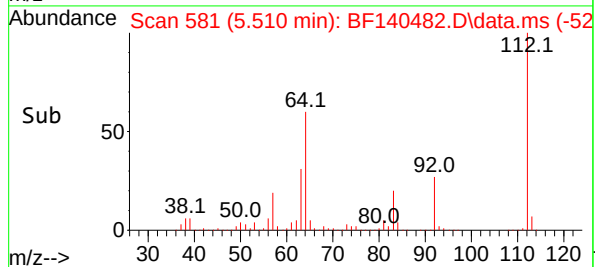
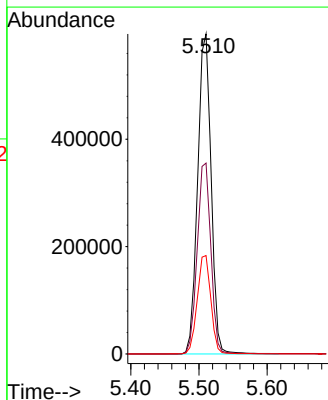
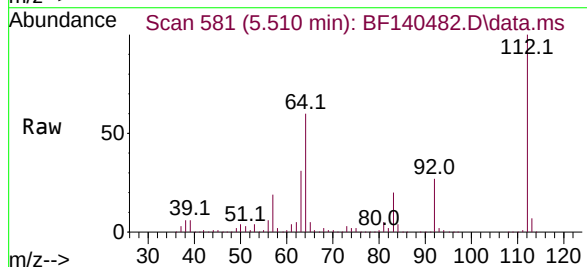
Instrument :
BNA_F
ClientSampleId :
B-3-3

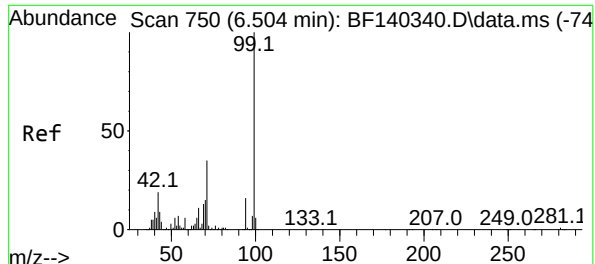
Tgt Ion:152 Resp: 163847
Ion Ratio Lower Upper
152 100
150 156.9 127.4 191.0
115 59.3 47.4 71.2



#5
2-Fluorophenol
Concen: 85.168 ng
RT: 5.510 min Scan# 581
Delta R.T. 0.018 min
Lab File: BF140482.D
Acq: 19 Nov 2024 19:02

Tgt Ion:112 Resp: 817302
Ion Ratio Lower Upper
112 100
64 59.7 49.2 73.8
63 30.8 25.6 38.4

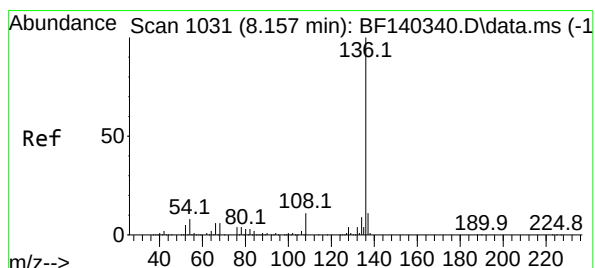
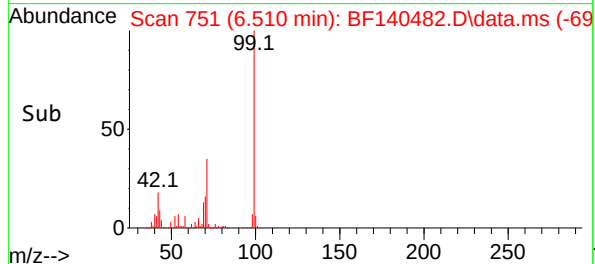
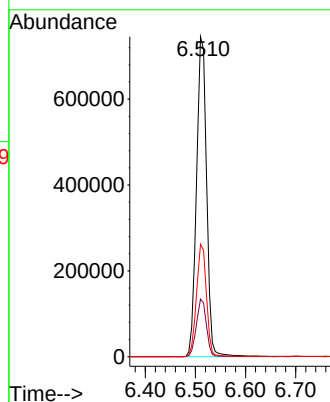
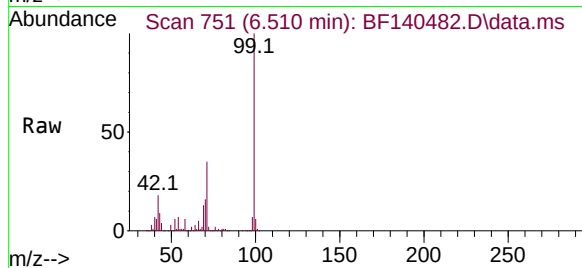




#7
Phenol-d6
Concen: 80.334 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF140482.D
Acq: 19 Nov 2024 19:02

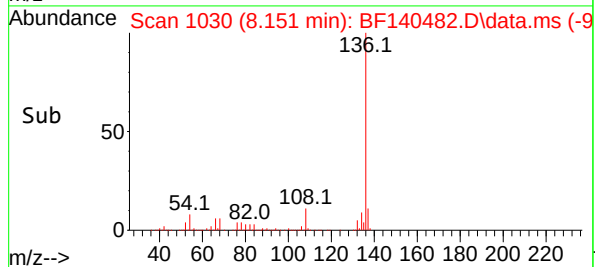
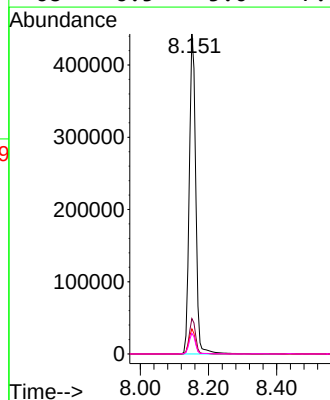
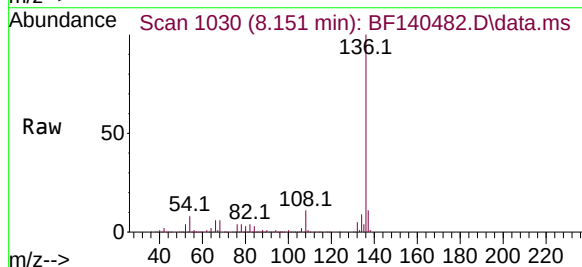
Instrument :
BNA_F
ClientSampleId :
B-3-3

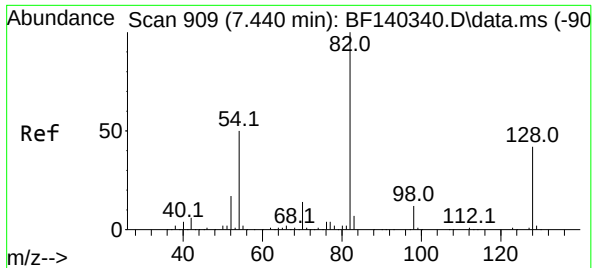
Tgt Ion: 99 Resp: 1044463
Ion Ratio Lower Upper
99 100
42 18.0 15.1 22.7
71 35.1 27.9 41.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140482.D
Acq: 19 Nov 2024 19:02

Tgt Ion: 136 Resp: 576180
Ion Ratio Lower Upper
136 100
137 11.1 8.7 13.1
54 7.8 6.5 9.7
68 6.5 5.0 7.6





#23

Nitrobenzene-d5

Concen: 59.964 ng

RT: 7.434 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF140482.D

Acq: 19 Nov 2024 19:02

Instrument :

BNA_F

ClientSampleId :

B-3-3

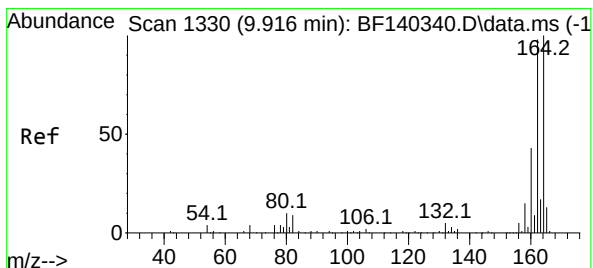
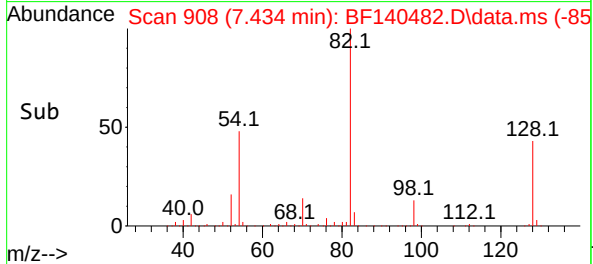
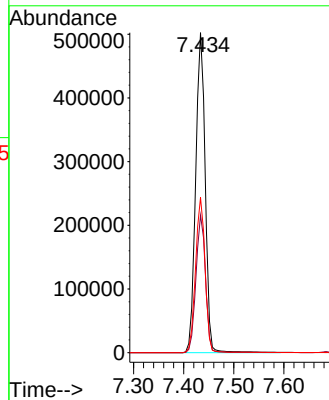
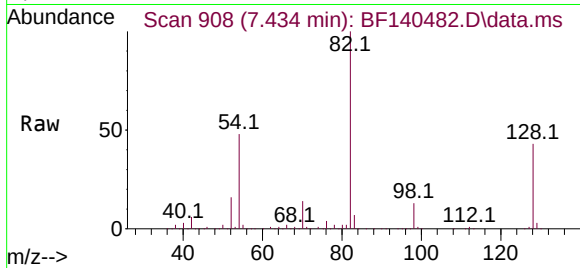
Tgt Ion: 82 Resp: 663118

Ion Ratio Lower Upper

82 100

128 42.9 33.3 49.9

54 48.5 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: BF140482.D

Acq: 19 Nov 2024 19:02

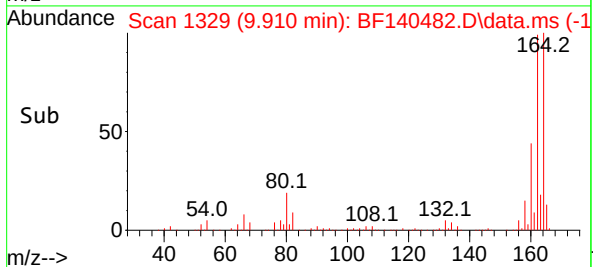
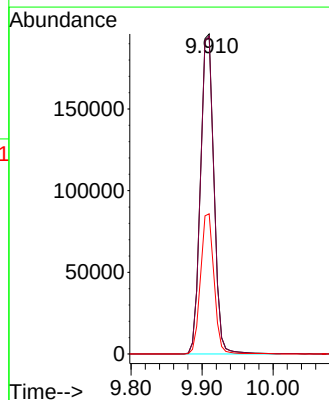
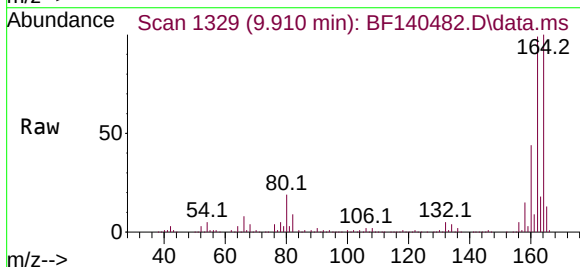
Tgt Ion:164 Resp: 259394

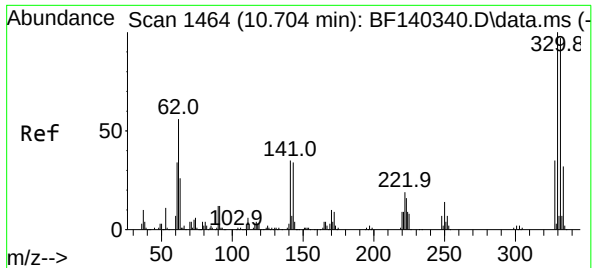
Ion Ratio Lower Upper

164 100

162 99.3 79.8 119.8

160 43.8 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 72.943 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF140482.D

Acq: 19 Nov 2024 19:02

Instrument :

BNA_F

ClientSampleId :

B-3-3

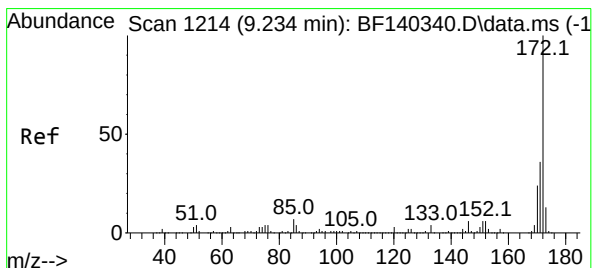
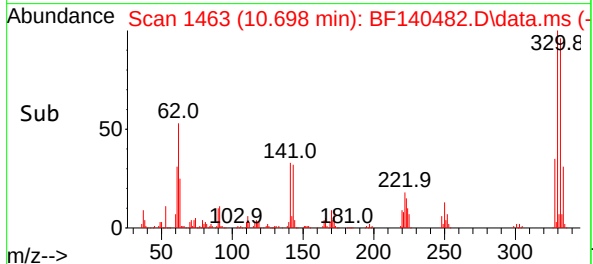
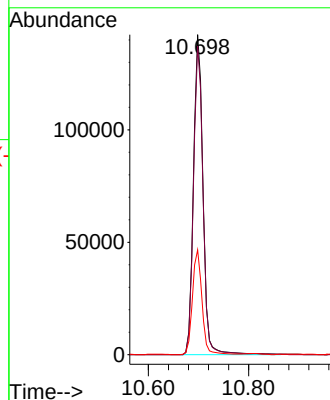
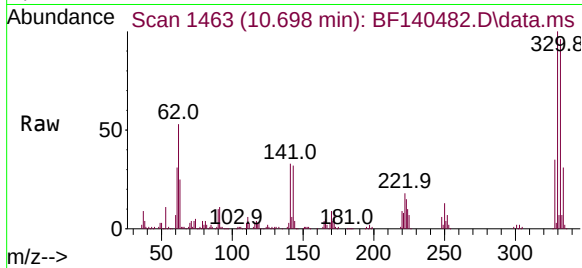
Tgt Ion:330 Resp: 188155

Ion Ratio Lower Upper

330 100

332 95.8 75.9 113.9

141 32.8 26.9 40.3



#45

2-Fluorobiphenyl

Concen: 68.505 ng

RT: 9.228 min Scan# 1213

Delta R.T. -0.006 min

Lab File: BF140482.D

Acq: 19 Nov 2024 19:02

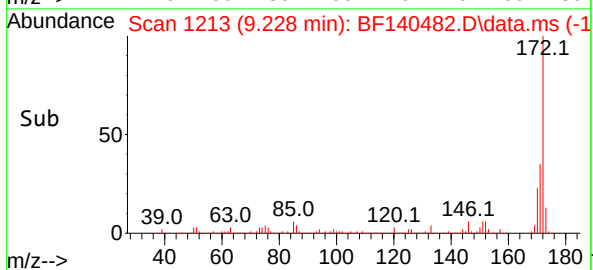
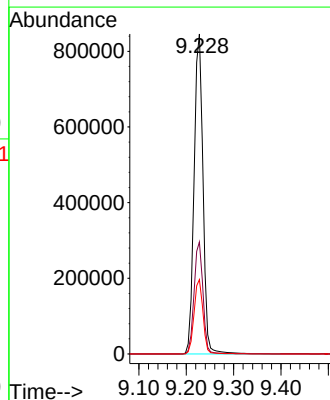
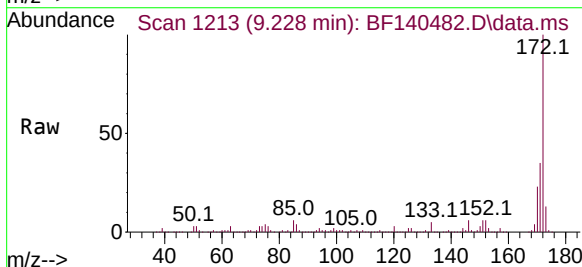
Tgt Ion:172 Resp: 1105394

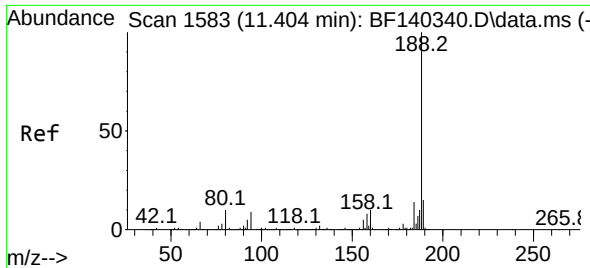
Ion Ratio Lower Upper

172 100

171 35.0 28.5 42.7

170 23.3 19.1 28.7

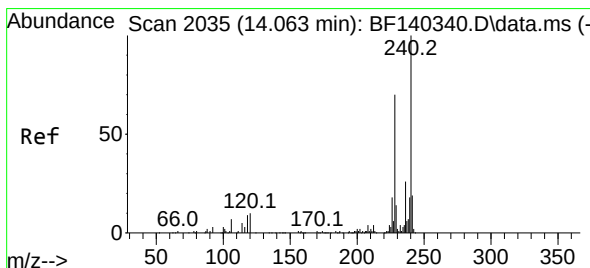
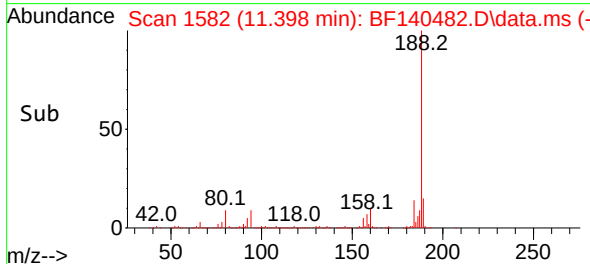
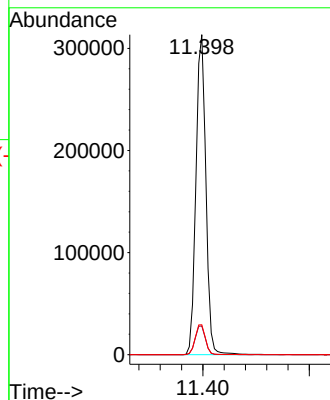
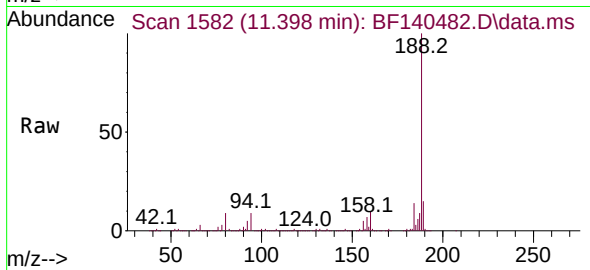




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140482.D
Acq: 19 Nov 2024 19:02

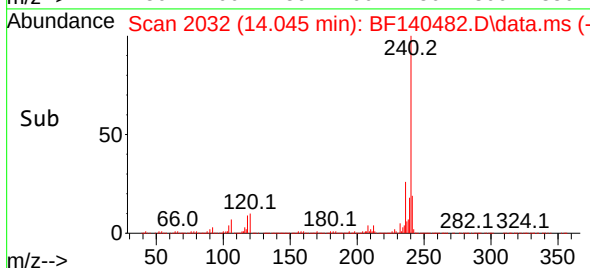
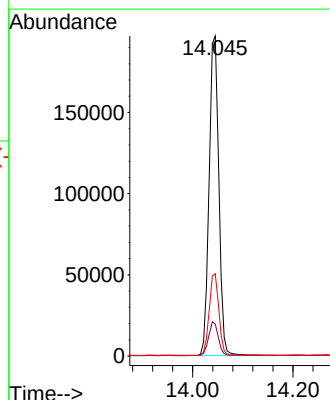
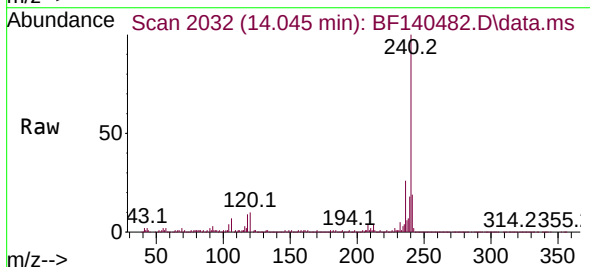
Instrument :
BNA_F
ClientSampleId :
B-3-3

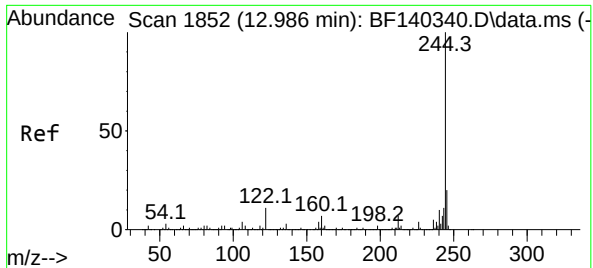
Tgt Ion:188 Resp: 406415
Ion Ratio Lower Upper
188 100
94 8.9 7.6 11.4
80 9.3 8.0 12.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF140482.D
Acq: 19 Nov 2024 19:02

Tgt Ion:240 Resp: 265711
Ion Ratio Lower Upper
240 100
120 10.0 8.8 13.2
236 25.7 20.9 31.3

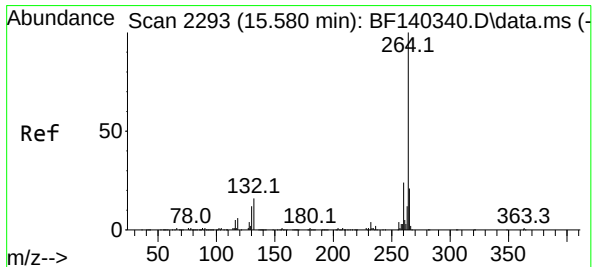
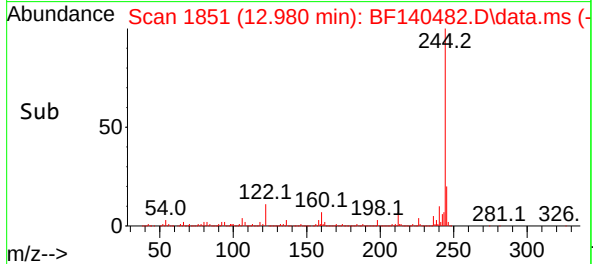
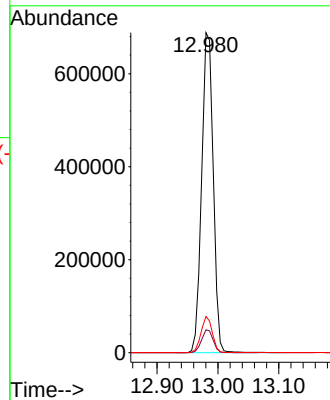
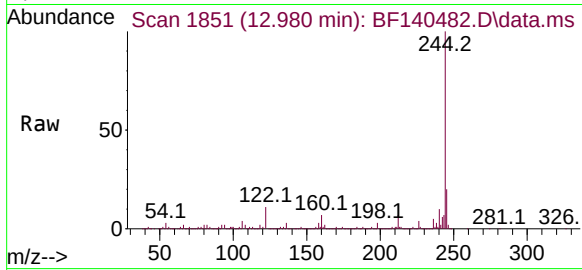




#79
Terphenyl-d14
Concen: 59.551 ng
RT: 12.980 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140482.D
Acq: 19 Nov 2024 19:02

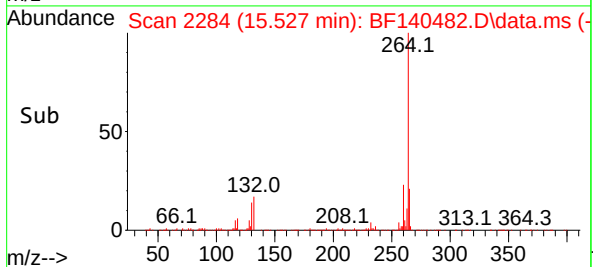
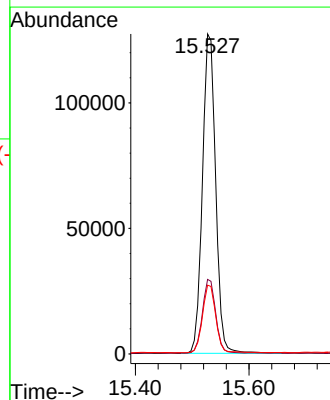
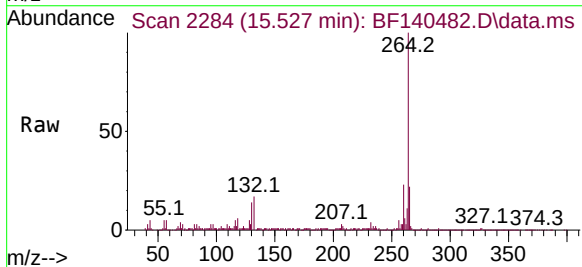
Instrument :
BNA_F
ClientSampleId :
B-3-3

Tgt Ion:244 Resp: 911587
Ion Ratio Lower Upper
244 100
212 7.1 5.8 8.8
122 11.3 8.8 13.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2284
Delta R.T. -0.029 min
Lab File: BF140482.D
Acq: 19 Nov 2024 19:02

Tgt Ion:264 Resp: 205466
Ion Ratio Lower Upper
264 100
260 23.3 19.2 28.8
265 21.5 17.1 25.7



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111924\
 Data File : BF140482.D
 Acq On : 19 Nov 2024 19:02
 Operator : RC/JU
 Sample : P4768-03
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-3-3

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

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

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF140482.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.169	5	13	26	rVB	1811855	2966575	93.98%	11.293%
2	2.281	26	32	39	rVB	55096	91293	2.89%	0.348%
3	5.099	501	511	525	rBV	100754	169254	5.36%	0.644%
4	5.510	575	581	601	rVB	2090470	2886534	91.44%	10.988%
5	6.510	745	751	769	rBV	2070612	2928359	92.77%	11.148%
6	6.875	807	813	818	rBV	769201	967156	30.64%	3.682%
7	7.434	898	908	917	rBV	1431236	1913236	60.61%	7.283%
8	7.681	946	950	958	rVB	33565	47869	1.52%	0.182%
9	8.151	1011	1030	1036	rBV	915843	1266117	40.11%	4.820%
10	8.563	1097	1100	1107	rVB	27839	36356	1.15%	0.138%
11	8.734	1125	1129	1134	rBV	85354	105103	3.33%	0.400%
12	9.163	1199	1202	1207	rVB	26235	34601	1.10%	0.132%
13	9.228	1207	1213	1221	rBV	2428074	3156669	100.00%	12.017%
14	9.298	1221	1225	1231	rVB	85251	113944	3.61%	0.434%
15	9.563	1266	1270	1273	rVV2	23974	39087	1.24%	0.149%
16	9.622	1276	1280	1287	rVB2	31609	58870	1.86%	0.224%
17	9.833	1311	1316	1320	rVV	69057	87752	2.78%	0.334%
18	9.904	1323	1328	1342	rVB	824614	1116548	35.37%	4.250%
19	10.328	1393	1400	1405	rBV	60870	89583	2.84%	0.341%
20	10.551	1434	1438	1444	rVB	20419	32561	1.03%	0.124%
21	10.622	1444	1450	1456	rVV	413990	540818	17.13%	2.059%
22	10.698	1458	1463	1477	rVV	1101013	1457589	46.17%	5.549%
23	10.804	1477	1481	1490	rVB	63264	112117	3.55%	0.427%
24	10.928	1498	1502	1510	rVB	60568	80104	2.54%	0.305%
25	11.251	1553	1557	1560	rBV	39717	52535	1.66%	0.200%
26	11.398	1576	1582	1590	rBV	744657	1006129	31.87%	3.830%
27	11.680	1626	1630	1634	rVB	32128	38036	1.20%	0.145%
28	11.922	1666	1671	1682	rBV	150236	289367	9.17%	1.102%
29	12.086	1695	1699	1704	rBV2	33986	45951	1.46%	0.175%
30	12.474	1762	1765	1772	rVB2	27642	35404	1.12%	0.135%
31	12.616	1785	1789	1793	rBV	44977	65859	2.09%	0.251%
32	12.710	1801	1805	1810	rBV5	22721	42704	1.35%	0.163%
33	12.845	1824	1828	1835	rVB2	54370	81974	2.60%	0.312%
34	12.980	1846	1851	1861	rBV	1832985	2399810	76.02%	9.136%
35	13.204	1886	1889	1893	rBV	28149	39454	1.25%	0.150%
36	13.463	1927	1933	1942	rBV	348287	506359	16.04%	1.928%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111924\
Data File : BF140482.D
Acq On : 19 Nov 2024 19:02
Operator : RC/JU
Sample : P4768-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-3-3

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	13.545	1945	1947	1952	rVB	29538	36344	1.15%	0.138%
38	14.045	2027	2032	2042	rBV	531159	757165	23.99%	2.882%
39	15.527	2279	2284	2293	rVB	348710	573575	18.17%	2.183%

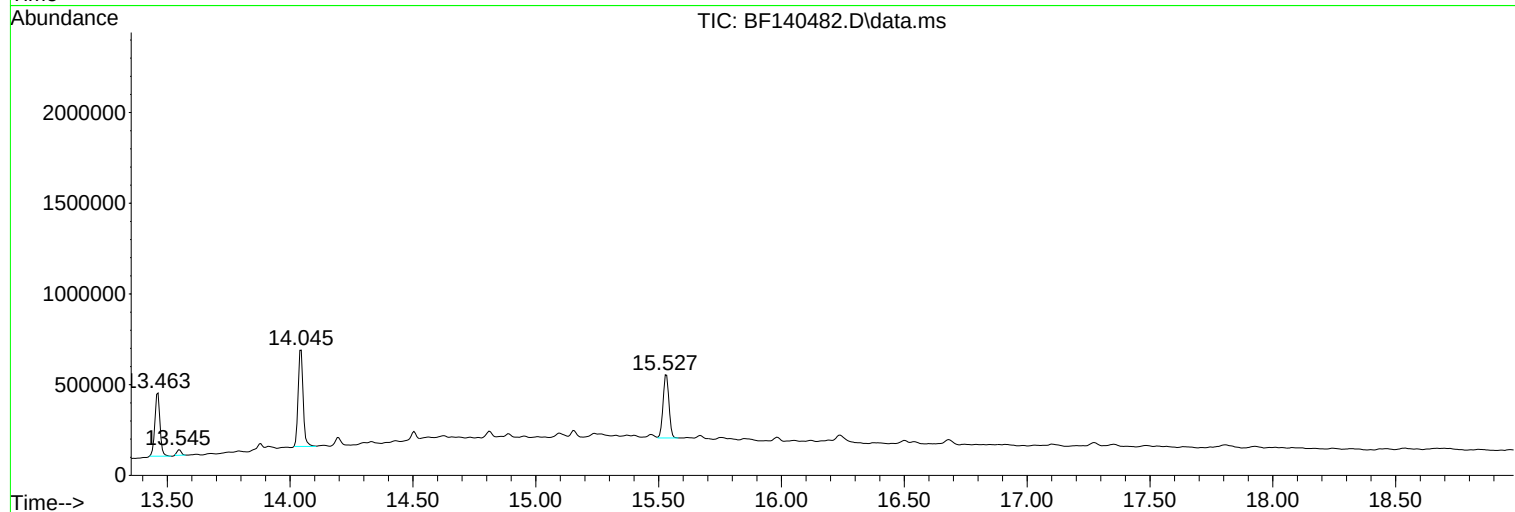
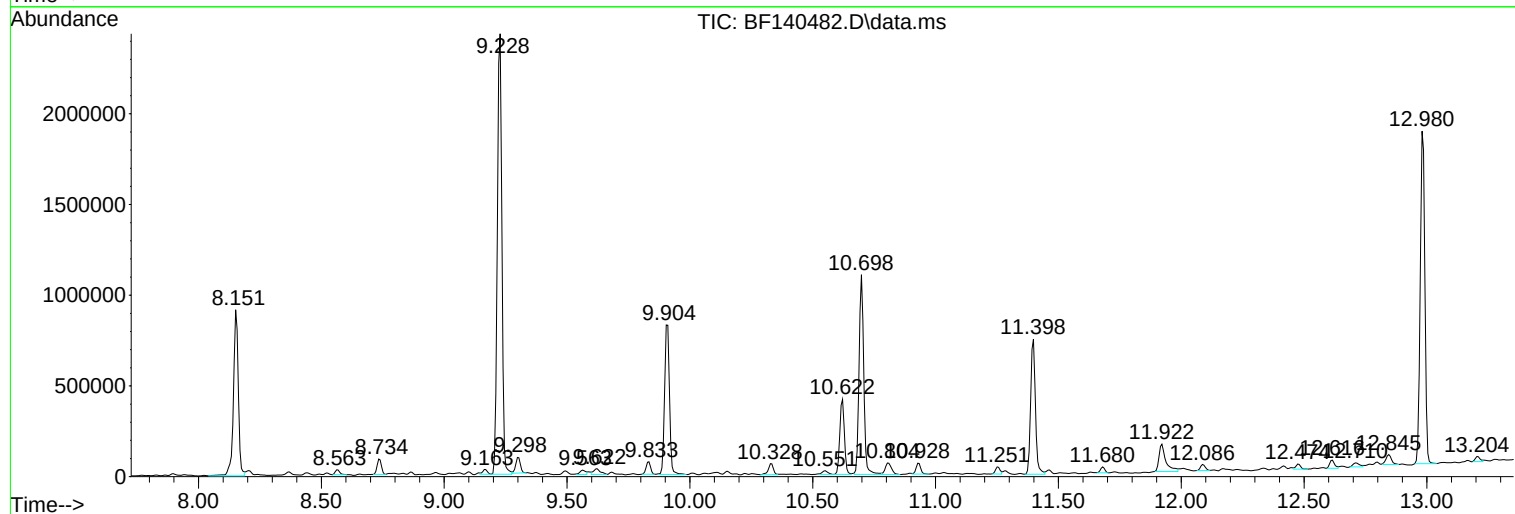
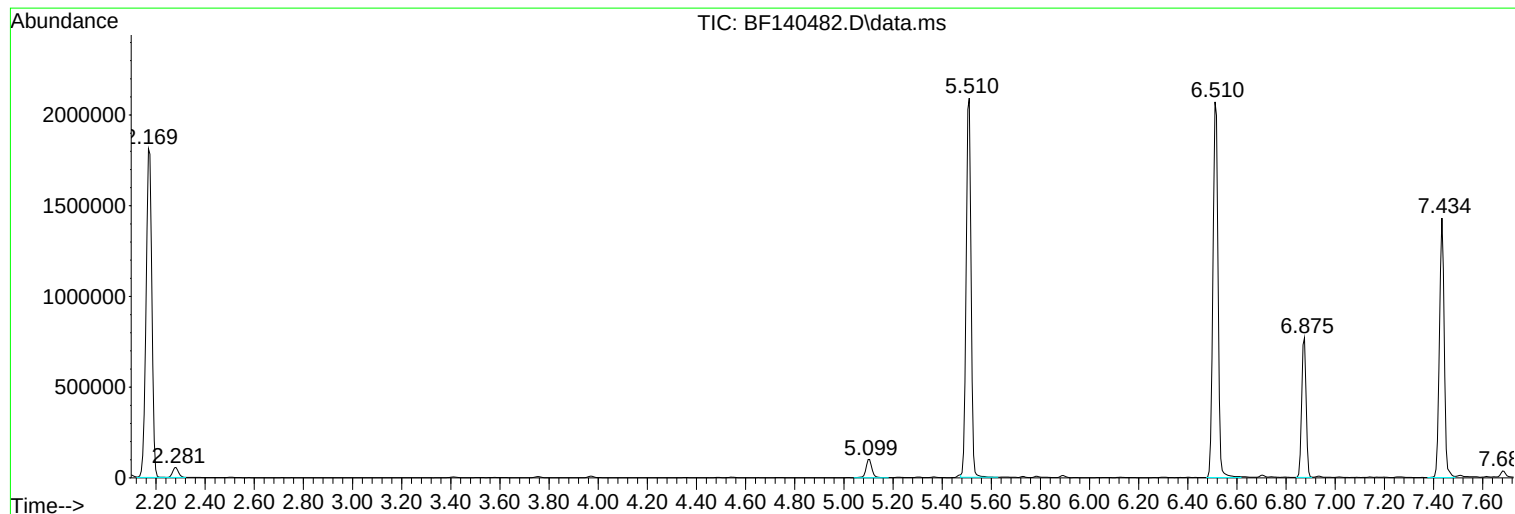
Sum of corrected areas: 26268761

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111924\
Data File : BF140482.D
Acq On : 19 Nov 2024 19:02
Operator : RC/JU
Sample : P4768-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-3-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111924\
Data File : BF140482.D
Acq On : 19 Nov 2024 19:02
Operator : RC/JU
Sample : P4768-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-3-3

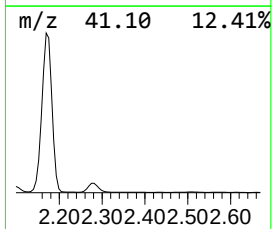
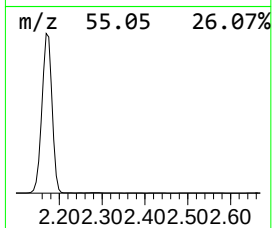
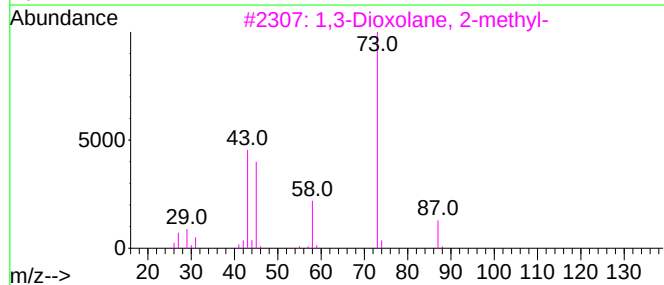
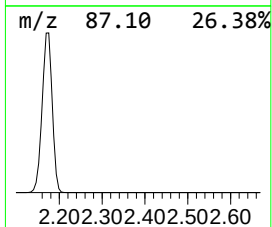
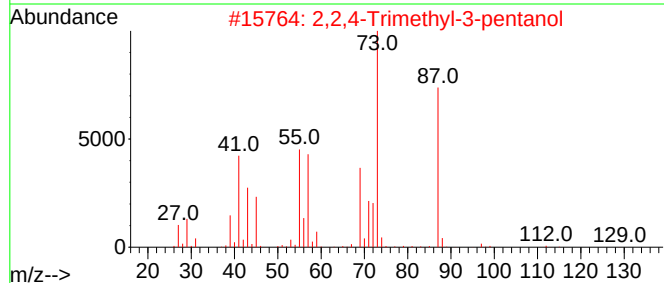
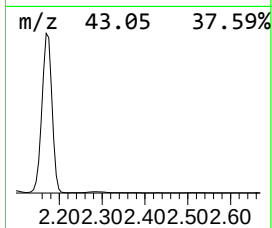
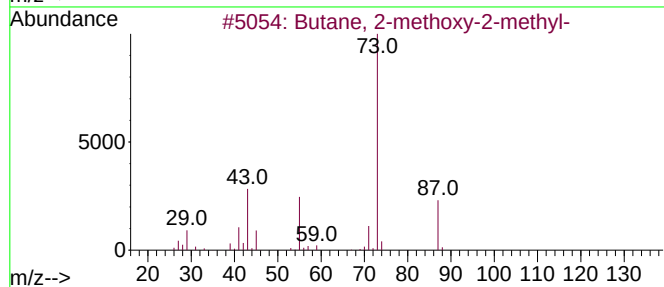
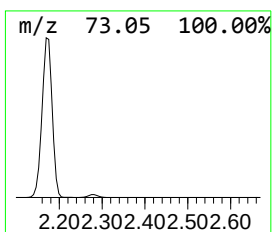
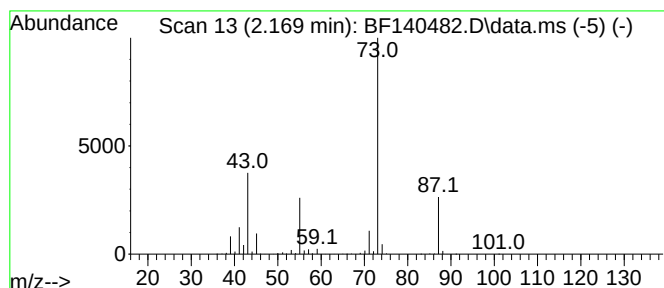
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.169	61.35 ng	2966580	1,4-Dichlorobenzene-d4	6.875

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3			1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
4			Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	22
5			Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111924\
Data File : BF140482.D
Acq On : 19 Nov 2024 19:02
Operator : RC/JU
Sample : P4768-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-3-3

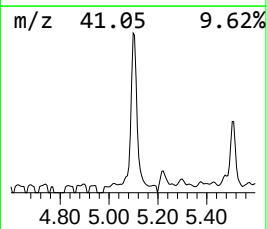
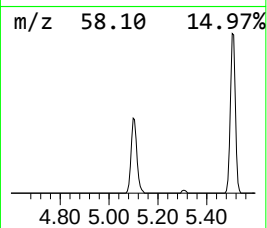
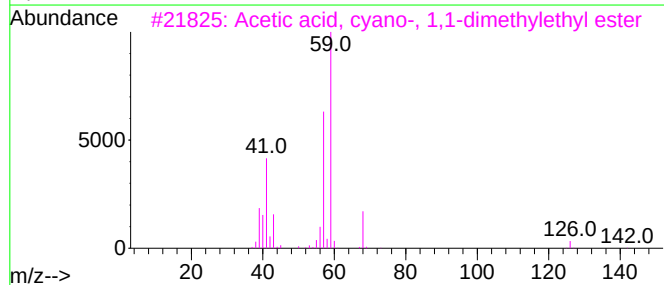
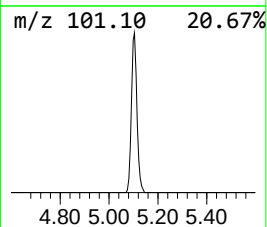
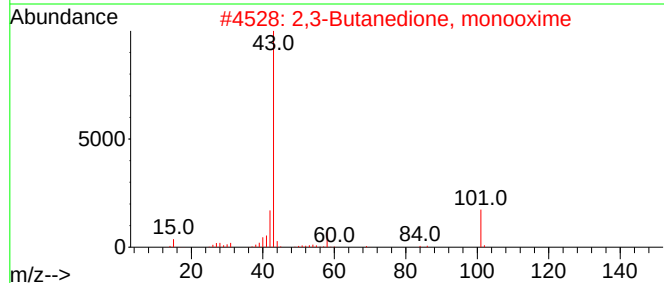
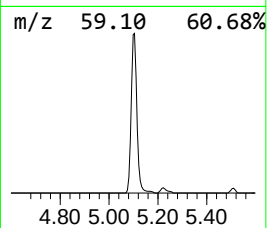
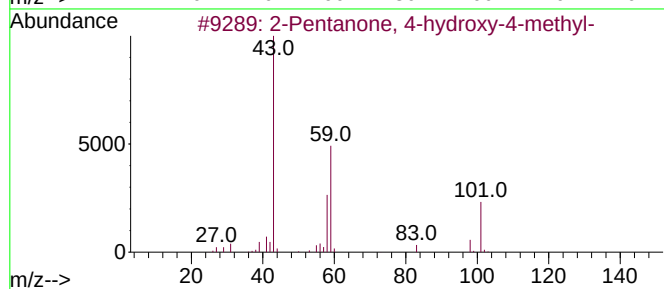
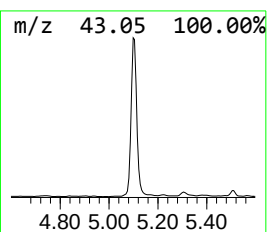
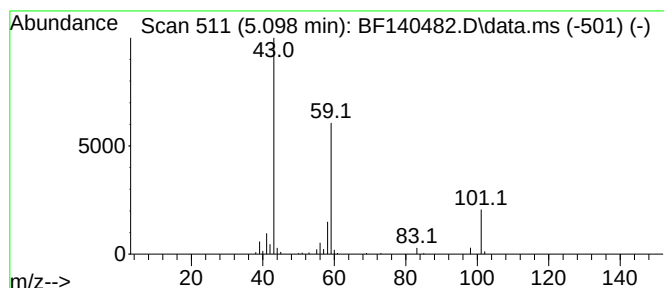
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.098	3.50 ng	169254	1,4-Dichlorobenzene-d4	6.875

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2		2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	35
3		Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
4		1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
5		Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111924\
Data File : BF140482.D
Acq On : 19 Nov 2024 19:02
Operator : RC/JU
Sample : P4768-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-3-3

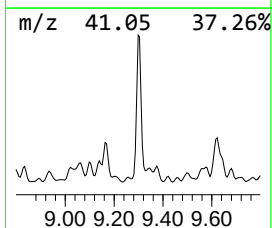
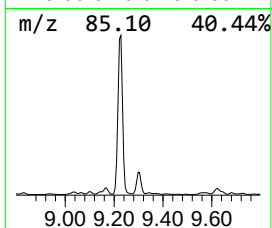
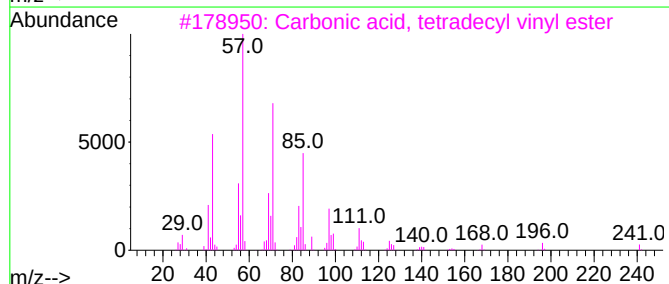
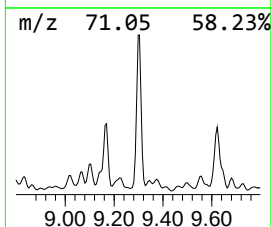
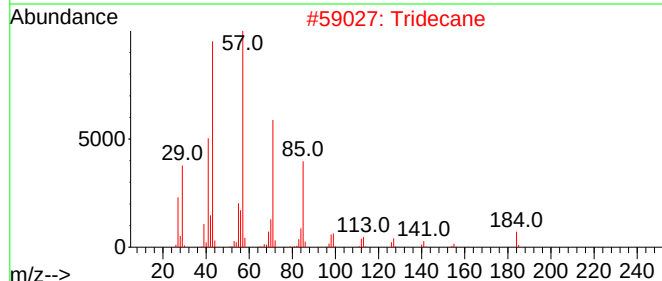
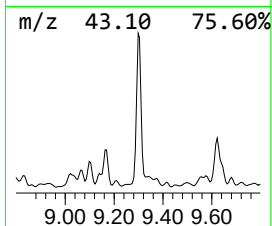
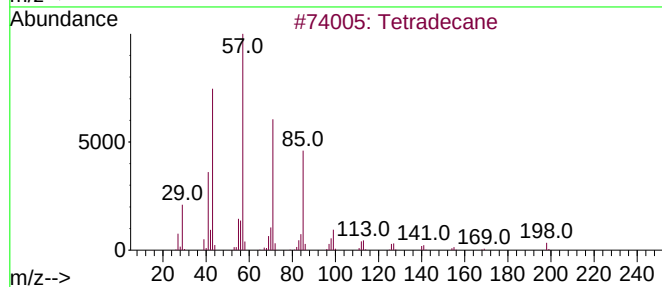
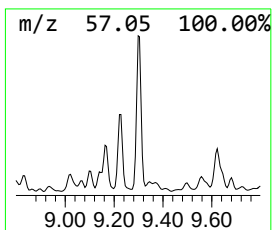
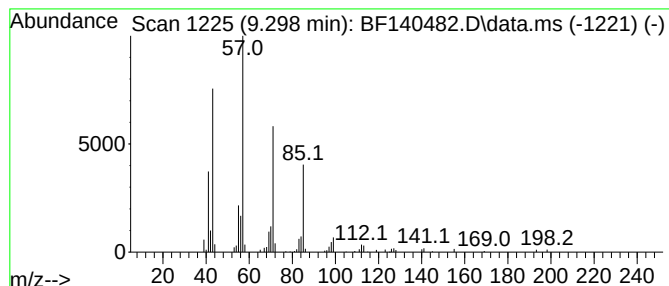
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Tetradecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.298	2.04 ng	113944	Acenaphthene-d10	9.910

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tetradecane	198	C14H30	000629-59-4	97
2			Tridecane	184	C13H28	000629-50-5	90
3			Carbonic acid, tetradecyl vinyl ...	284	C17H32O3	1000382-54-5	83
4			Undecane, 2,3-dimethyl-	184	C13H28	017312-77-5	83
5			Undecane, 5,7-dimethyl-	184	C13H28	017312-83-3	78



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111924\
Data File : BF140482.D
Acq On : 19 Nov 2024 19:02
Operator : RC/JU
Sample : P4768-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-3-3

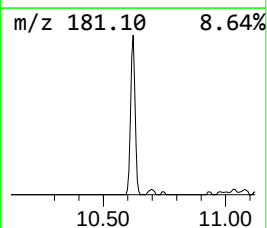
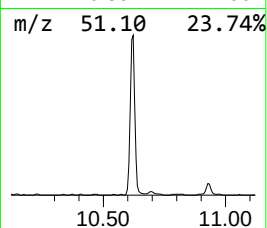
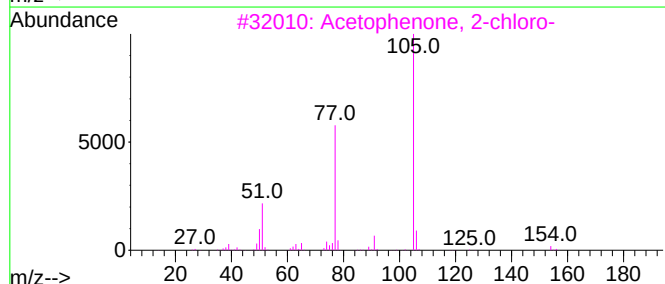
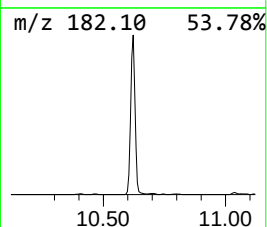
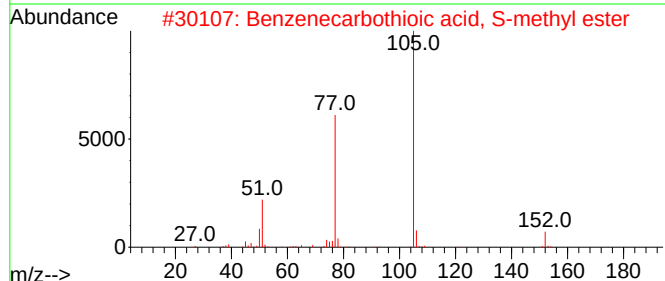
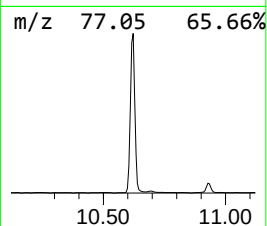
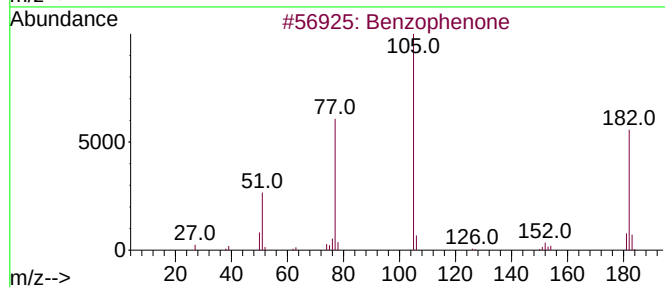
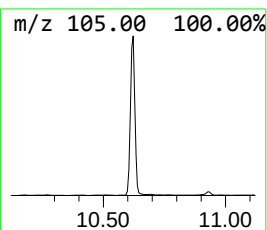
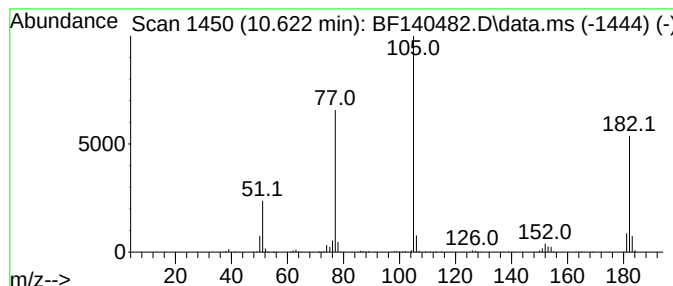
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.622	9.69 ng	540818	Acenaphthene-d10	9.910

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	50
3			Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	49
4			N-Methylbenzamide, N-trifluoroac...	231	C10H8F3NO2	1000446-91-5	47
5			Benzeneacetic acid, .alpha.-oxo-...	164	C9H8O3	015206-55-0	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111924\
Data File : BF140482.D
Acq On : 19 Nov 2024 19:02
Operator : RC/JU
Sample : P4768-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-3-3

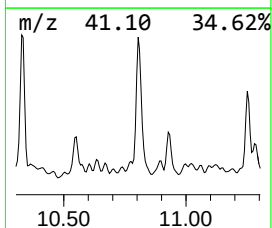
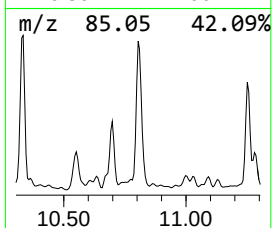
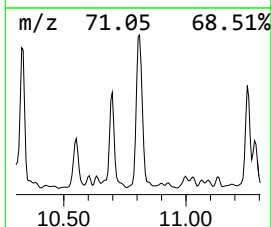
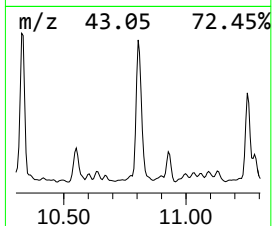
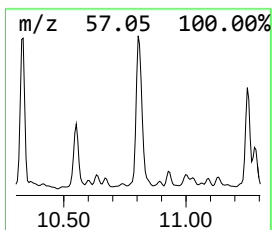
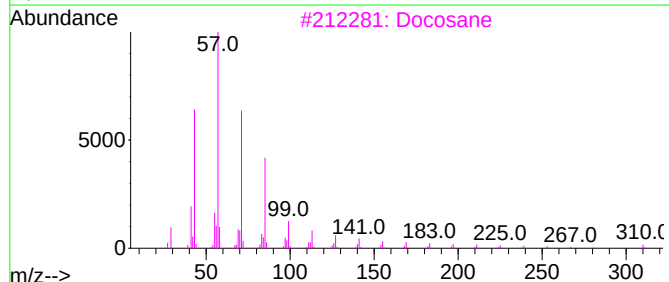
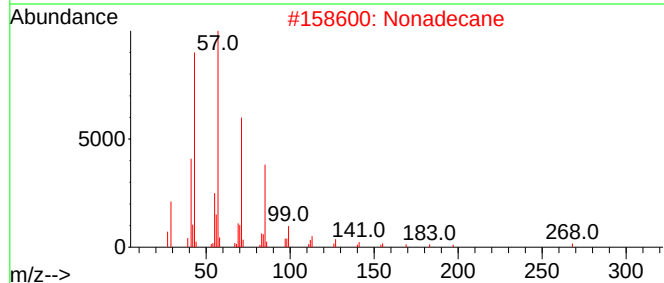
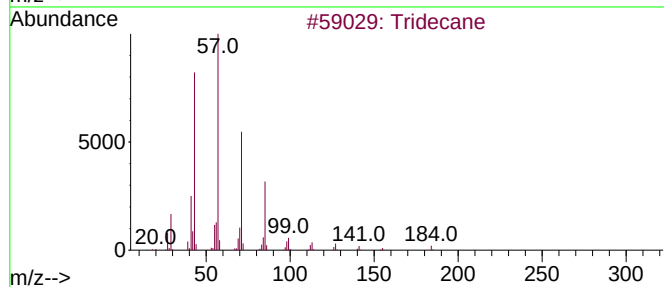
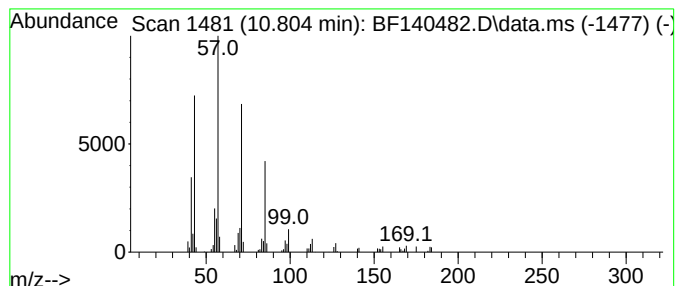
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Tridecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.804	2.23 ng	112117	Phenanthrene-d10	11.398

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tridecane	184	C13H28	000629-50-5	94
2			Nonadecane	268	C19H40	000629-92-5	91
3			Docosane	310	C22H46	000629-97-0	90
4			Heptacosane	380	C27H56	000593-49-7	90
5			Tetradecane	198	C14H30	000629-59-4	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111924\
Data File : BF140482.D
Acq On : 19 Nov 2024 19:02
Operator : RC/JU
Sample : P4768-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-3-3

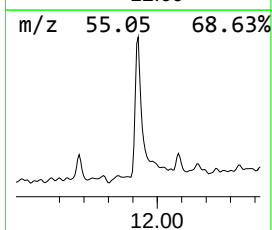
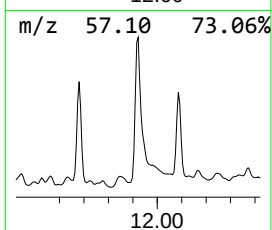
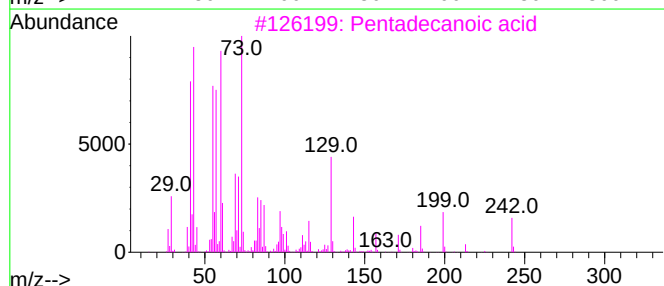
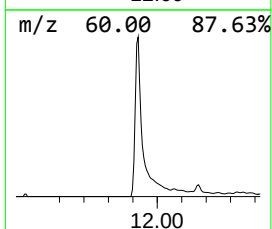
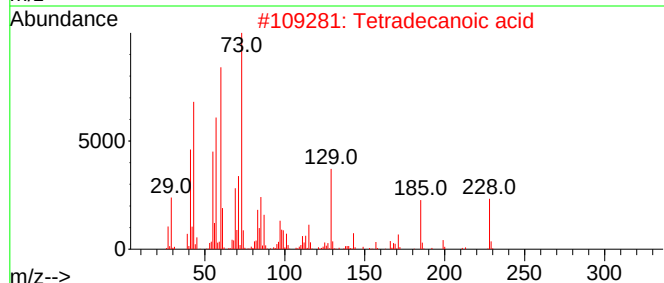
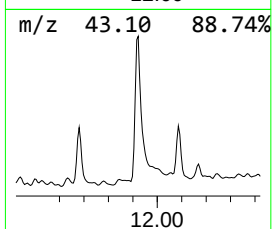
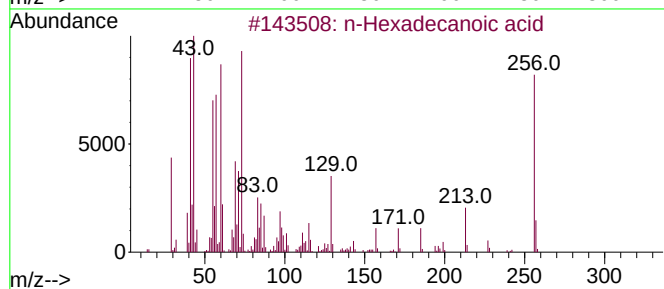
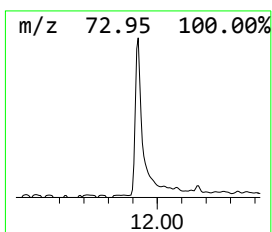
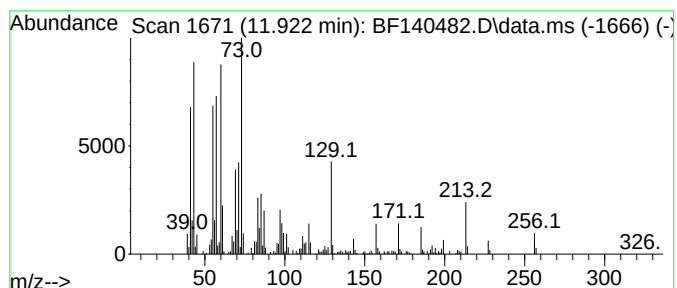
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.922	5.75 ng	289367	Phenanthrene-d10	11.398

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2		Tetradecanoic acid	228	C14H28O2	000544-63-8	94
3		Pentadecanoic acid	242	C15H30O2	001002-84-2	93
4		Undecanoic acid	186	C11H22O2	000112-37-8	83
5		Tridecanoic acid	214	C13H26O2	000638-53-9	81



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111924\
Data File : BF140482.D
Acq On : 19 Nov 2024 19:02
Operator : RC/JU
Sample : P4768-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

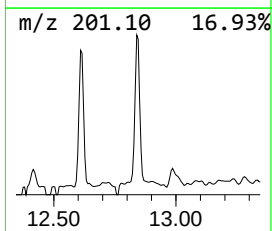
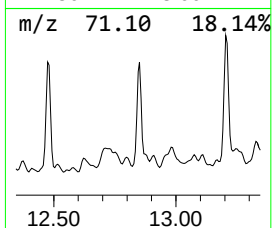
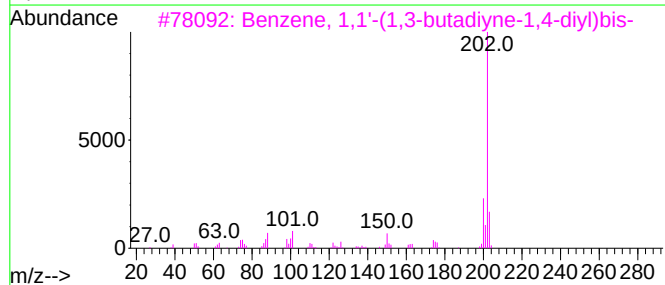
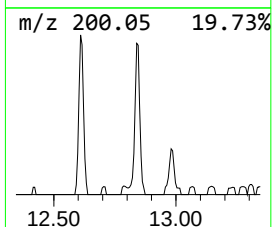
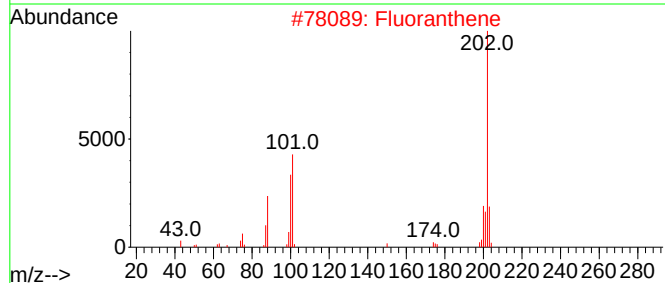
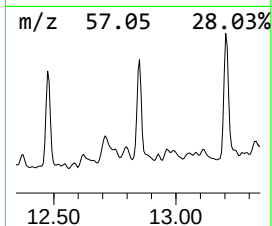
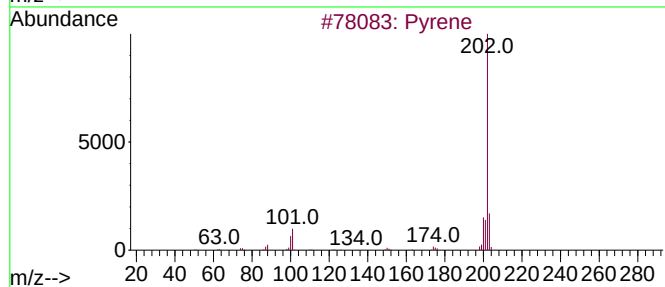
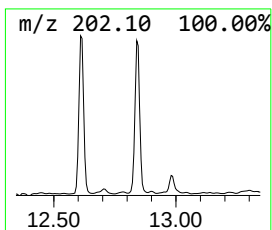
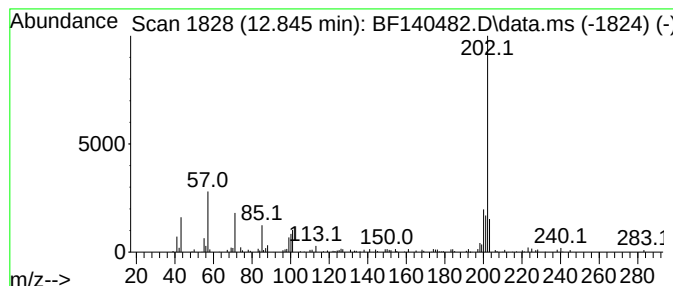
Instrument :
BNA_F
ClientSampleId :
B-3-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Benzene, 1,1'-(1,3-butadiyn... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.845	2.17 ng	81974	Chrysene-d12	14.045	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene	202	C16H10	000129-00-0	76
2	Fluoranthene	202	C16H10	000206-44-0	76
3	Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	59
4	Acetic acid, 1,2,3-trimethyl-4-p...	261	C16H23NO2	1000271-58-1	40
5	Benzaldehyde, 2,6-difuloro-3,4-d...	202	C9H8F2O3	152434-99-6	36



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111924\
Data File : BF140482.D
Acq On : 19 Nov 2024 19:02
Operator : RC/JU
Sample : P4768-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-3-3

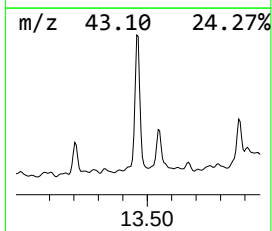
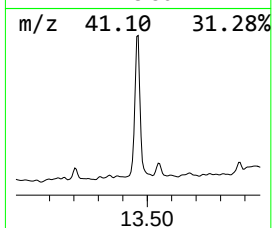
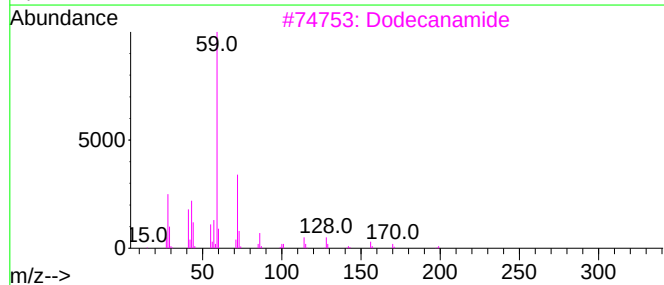
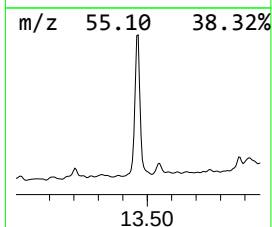
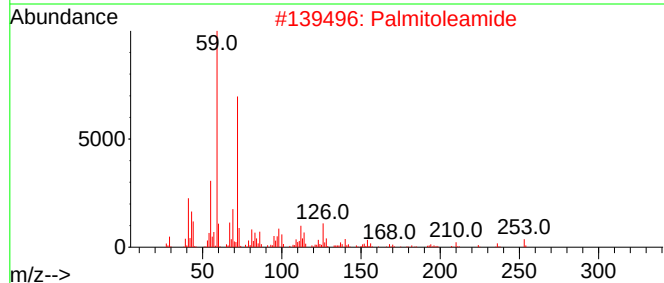
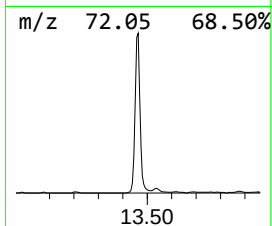
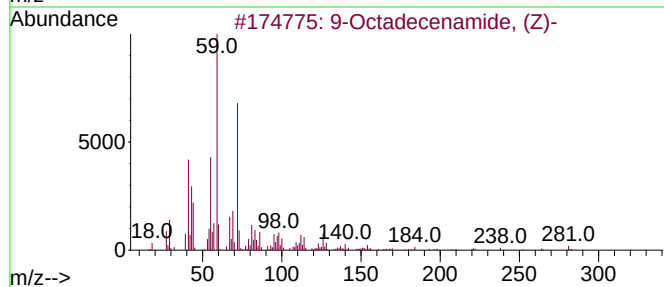
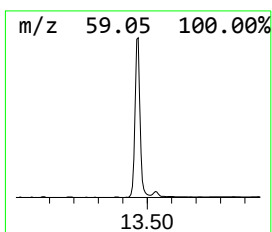
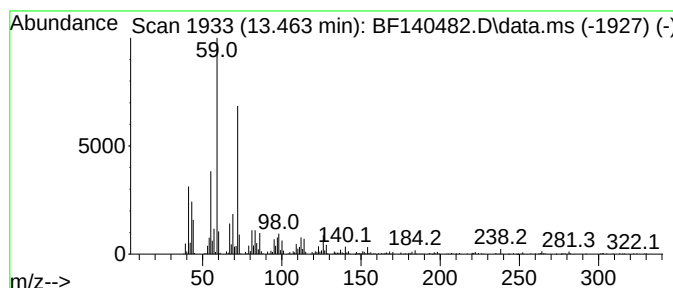
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 9-Octadecenamide, (Z)- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.463	13.38 ng	506359	Chrysene-d12	14.045

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		9-Octadecenamide, (Z)-	281	C18H35NO	000301-02-0	98
2		Palmitoleamide	253	C16H31NO	106010-22-4	80
3		Dodecanamide	199	C12H25NO	001120-16-7	59
4		Octadecanamide	283	C18H37NO	000124-26-5	59
5		Octanamide	143	C8H17NO	000629-01-6	59



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111924\
Data File : BF140482.D
Acq On : 19 Nov 2024 19:02
Operator : RC/JU
Sample : P4768-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-3-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-metho...	2.169	61.4	ng	2966580	1	6.875	967156	20.0
2-Pentanone, 4-...	5.098	3.5	ng	169254	1	6.875	967156	20.0
Tetradecane	9.298	2.0	ng	113944	3	9.910	1116550	20.0
Benzophenone	10.622	9.7	ng	540818	3	9.910	1116550	20.0
Tridecane	10.804	2.2	ng	112117	4	11.398	1006130	20.0
n-Hexadecanoic ...	11.922	5.8	ng	289367	4	11.398	1006130	20.0
Benzene, 1,1'-(...	12.845	2.2	ng	81974	5	14.045	757165	20.0
9-Octadecenamid...	13.463	13.4	ng	506359	5	14.045	757165	20.0

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-4	SDG No.:	P4768
Lab Sample ID:	P4768-04	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	95.1
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140438.D	1	11/08/24 09:45	11/16/24 18:53	PB164789

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	190	U	190	350	ug/Kg
108-95-2	Phenol	86.9	U	86.9	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	87.8	U	87.8	180	ug/Kg
95-57-8	2-Chlorophenol	87.6	U	87.6	180	ug/Kg
95-48-7	2-Methylphenol	84.5	U	84.5	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	95.3	U	95.3	180	ug/Kg
98-86-2	Acetophenone	91.1	U	91.1	180	ug/Kg
65794-96-9	3+4-Methylphenols	83.7	U	83.7	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	42.3	U	42.3	83.9	ug/Kg
67-72-1	Hexachloroethane	87.0	U	87.0	180	ug/Kg
98-95-3	Nitrobenzene	95.2	U	95.2	180	ug/Kg
78-59-1	Isophorone	88.7	U	88.7	180	ug/Kg
88-75-5	2-Nitrophenol	99.1	U	99.1	180	ug/Kg
105-67-9	2,4-Dimethylphenol	97.7	U	97.7	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	90.0	U	90.0	180	ug/Kg
120-83-2	2,4-Dichlorophenol	79.2	U	79.2	180	ug/Kg
91-20-3	Naphthalene	86.6	U	86.6	180	ug/Kg
106-47-8	4-Chloroaniline	86.6	U	86.6	180	ug/Kg
87-68-3	Hexachlorobutadiene	87.4	U	87.4	180	ug/Kg
105-60-2	Caprolactam	91.0	U	91.0	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	81.3	U	81.3	180	ug/Kg
91-57-6	2-Methylnaphthalene	86.5	U	86.5	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	U	160	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	74.9	U	74.9	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	77.6	U	77.6	180	ug/Kg
92-52-4	1,1-Biphenyl	91.7	U	91.7	180	ug/Kg
91-58-7	2-Chloronaphthalene	87.4	U	87.4	180	ug/Kg
88-74-4	2-Nitroaniline	99.6	U	99.6	180	ug/Kg
131-11-3	Dimethylphthalate	85.7	U	85.7	180	ug/Kg

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-4	SDG No.:	P4768
Lab Sample ID:	P4768-04	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	95.1
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140438.D	1	11/08/24 09:45	11/16/24 18:53	PB164789

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	90.7	U	90.7	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	87.3	U	87.3	180	ug/Kg
99-09-2	3-Nitroaniline	93.5	U	93.5	180	ug/Kg
83-32-9	Acenaphthene	85.1	U	85.1	180	ug/Kg
51-28-5	2,4-Dinitrophenol	250	U	250	350	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	350	ug/Kg
132-64-9	Dibenzofuran	88.5	U	88.5	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	90.4	U	90.4	180	ug/Kg
84-66-2	Diethylphthalate	84.0	U	84.0	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	89.8	U	89.8	180	ug/Kg
86-73-7	Fluorene	89.7	U	89.7	180	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	85.6	U	85.6	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	82.7	U	82.7	180	ug/Kg
118-74-1	Hexachlorobenzene	89.1	U	89.1	180	ug/Kg
1912-24-9	Atrazine	95.9	U	95.9	180	ug/Kg
87-86-5	Pentachlorophenol	81.1	U	81.1	350	ug/Kg
85-01-8	Phenanthrene	88.1	U	88.1	180	ug/Kg
120-12-7	Anthracene	88.5	U	88.5	180	ug/Kg
86-74-8	Carbazole	84.2	U	84.2	180	ug/Kg
84-74-2	Di-n-butylphthalate	88.4	U	88.4	180	ug/Kg
206-44-0	Fluoranthene	85.7	U	85.7	180	ug/Kg
129-00-0	Pyrene	87.0	U	87.0	180	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	100	U	100	350	ug/Kg
56-55-3	Benzo(a)anthracene	84.6	U	84.6	180	ug/Kg
218-01-9	Chrysene	83.4	U	83.4	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	95.4	U	95.4	180	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	85.1	U	85.1	180	ug/Kg

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-4	SDG No.:	P4768
Lab Sample ID:	P4768-04	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	95.1
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140438.D	1	11/08/24 09:45	11/16/24 18:53	PB164789

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	86.6	U	86.6	180	ug/Kg
50-32-8	Benzo(a)pyrene	97.5	U	97.5	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	81.9	U	81.9	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	85.2	U	85.2	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	84.0	U	84.0	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	91.0	U	91.0	180	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	78.3	U	78.3	180	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	57.0		18 - 112	38%	SPK: 150
13127-88-3	Phenol-d6	55.0		15 - 107	37%	SPK: 150
4165-60-0	Nitrobenzene-d5	38.0		18 - 107	38%	SPK: 100
321-60-8	2-Fluorobiphenyl	44.2		20 - 109	44%	SPK: 100
118-79-6	2,4,6-Tribromophenol	46.5		10 - 116	31%	SPK: 150
1718-51-0	Terphenyl-d14	40.5		10 - 105	40%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	127000	6.875
1146-65-2	Naphthalene-d8	465000	8.151
15067-26-2	Acenaphthene-d10	232000	9.91
1517-22-2	Phenanthrene-d10	359000	11.398
1719-03-5	Chrysene-d12	228000	14.045
1520-96-3	Perylene-d12	171000	15.551

TENTATIVE IDENTIFIED COMPOUNDS

000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	110	AB	5.09	ug/Kg
001795-26-2	Cyclohexane, 1,3,5-trimethyl-, (1.	110	J	5.29	ug/Kg
013905-48-1	Cyclohexane, 1-bromo-3-methyl-	69.9	J	5.69	ug/Kg
000111-84-2	Nonane	160	J	5.78	ug/Kg
003728-54-9	Cyclohexane, 1-ethyl-2-methyl-	83.9	J	5.90	ug/Kg
003788-32-7	Cyclopentane, (2-methylpropyl)-	88.8	J	6.12	ug/Kg
000124-18-5	Decane	150	J	6.70	ug/Kg

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-4	SDG No.:	P4768
Lab Sample ID:	P4768-04	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	95.1
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140438.D	1	11/08/24 09:45	11/16/24 18:53	PB164789

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000119-61-9	Benzophenone	230	J		10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	120	J		11.9	ug/Kg
000301-02-0	9-Octadecenamide, (Z)-	320	J		13.5	ug/Kg

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\BF111624\
Data File : BF140438.D
Acq On : 16 Nov 2024 18:53
Operator : RC/JU
Sample : P4768-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-4

Quant Time: Nov 18 00:09:31 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	126758	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	464845	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	232288	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	359240	20.000	ng	0.00
76) Chrysene-d12	14.045	240	227936	20.000	ng	0.00
86) Perylene-d12	15.551	264	171121	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	422969	56.972	ng	0.00
7) Phenol-d6	6.510	99	553687	55.047	ng	0.00
23) Nitrobenzene-d5	7.434	82	338637	37.957	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	107387	46.489	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	638091	44.159	ng	0.00
79) Terphenyl-d14	12.980	244	531497	40.475	ng	0.00

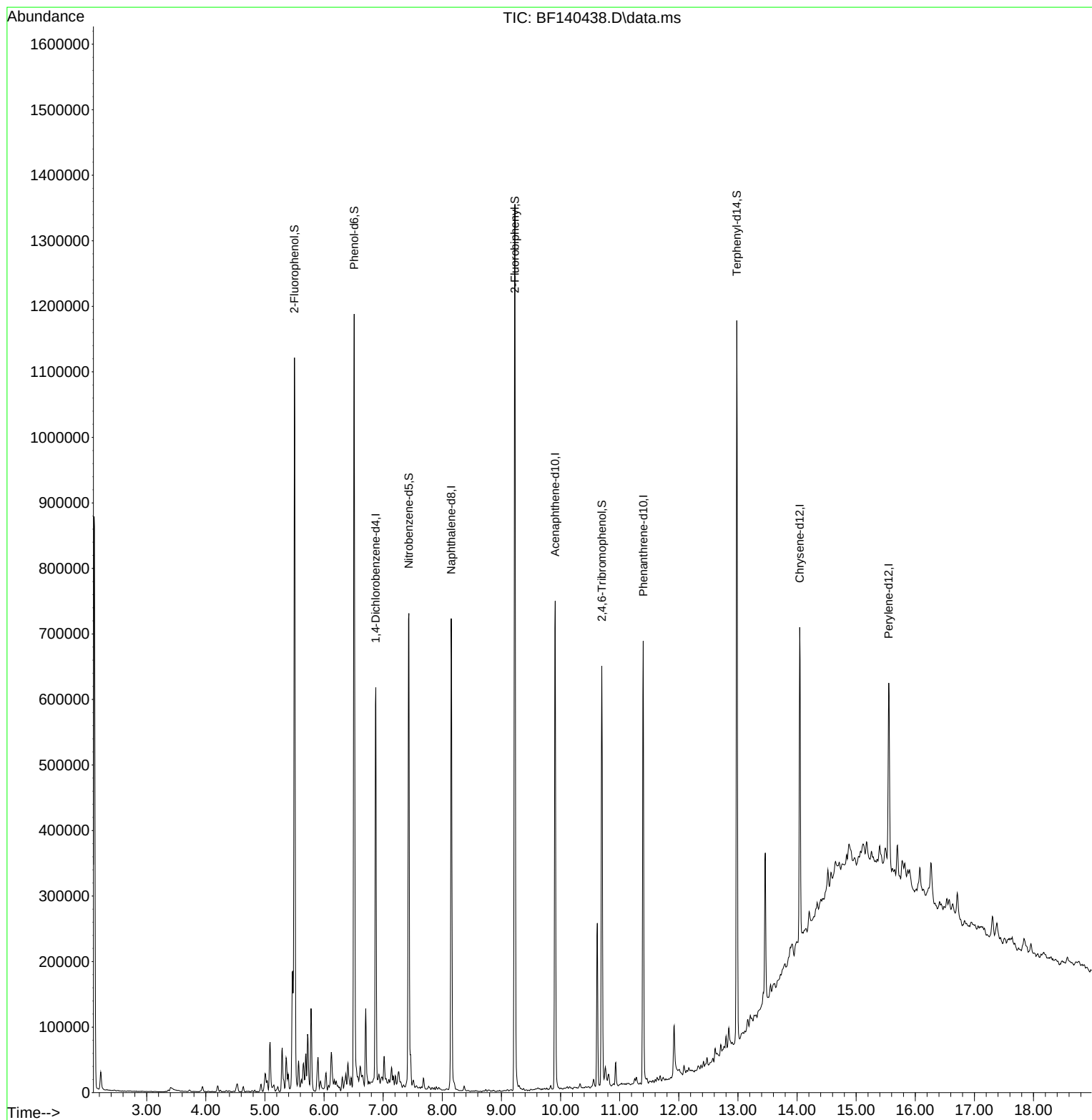
Target Compounds	Qvalue

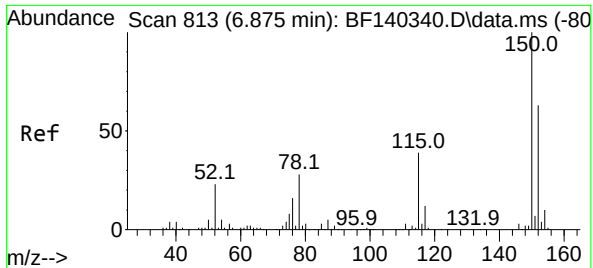
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
Data File : BF140438.D
Acq On : 16 Nov 2024 18:53
Operator : RC/JU
Sample : P4768-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-4

Quant Time: Nov 18 00:09:31 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

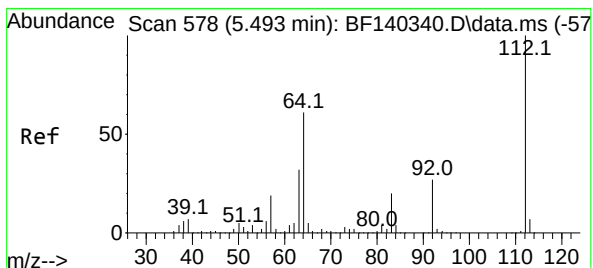
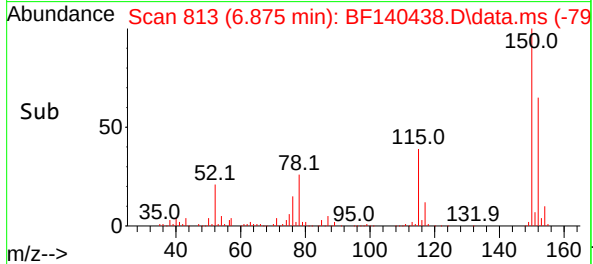
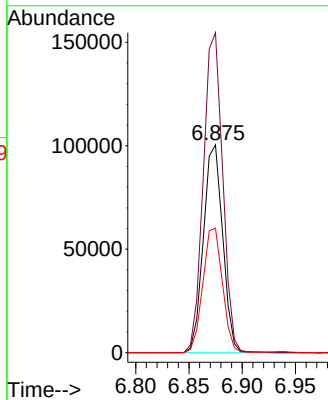
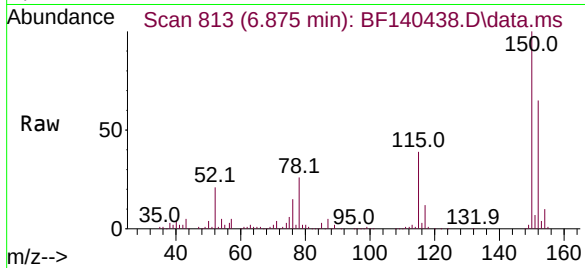




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF140438.D
Acq: 16 Nov 2024 18:53

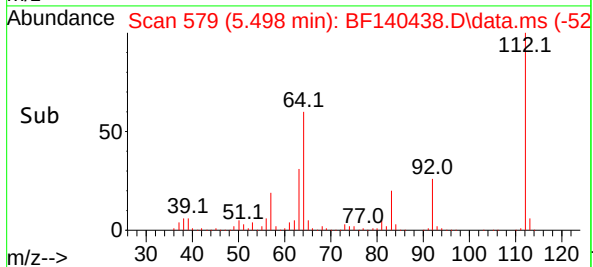
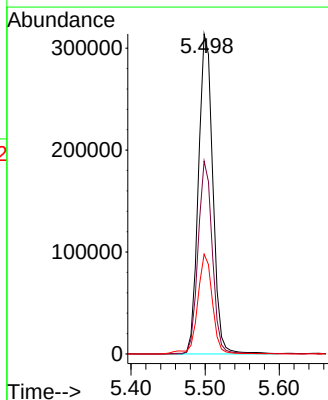
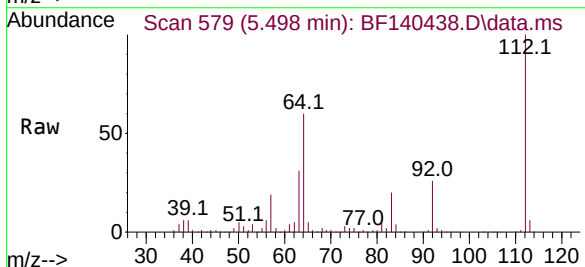
Instrument :
BNA_F
ClientSampleId :
B-4

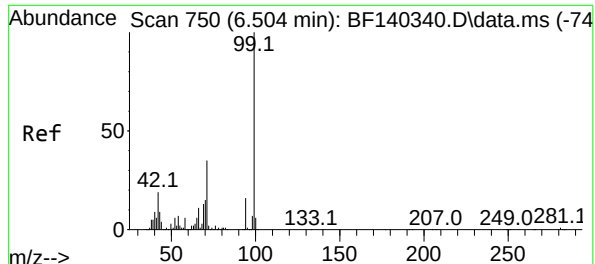
Tgt Ion:152 Resp: 126758
Ion Ratio Lower Upper
152 100
150 154.0 127.4 191.0
115 59.9 47.4 71.2



#5
2-Fluorophenol
Concen: 56.972 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.006 min
Lab File: BF140438.D
Acq: 16 Nov 2024 18:53

Tgt Ion:112 Resp: 422969
Ion Ratio Lower Upper
112 100
64 60.3 49.2 73.8
63 31.2 25.6 38.4

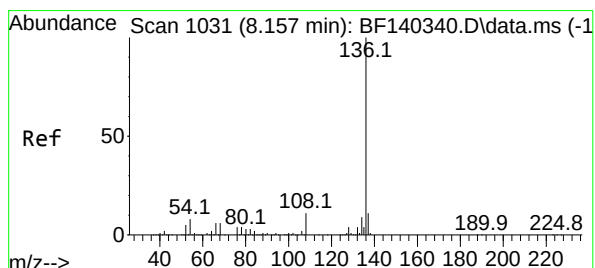
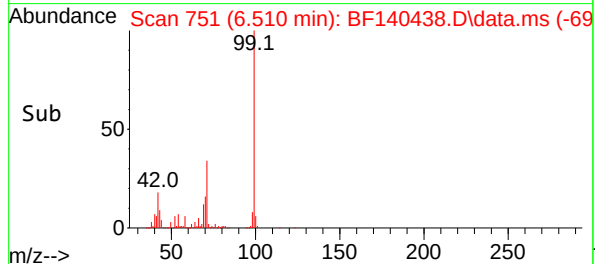
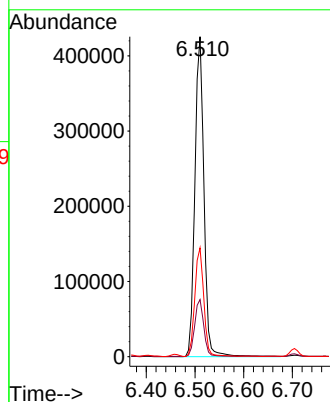
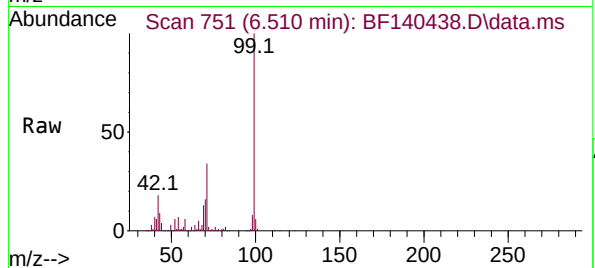




#7
Phenol-d6
Concen: 55.047 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF140438.D
Acq: 16 Nov 2024 18:53

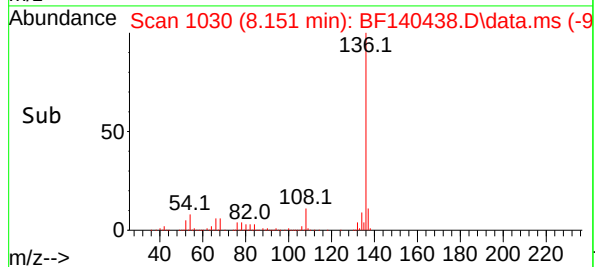
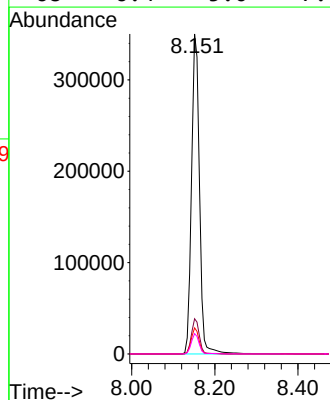
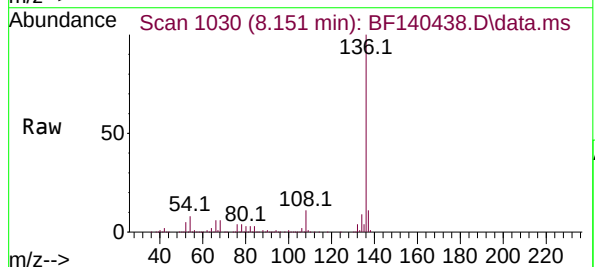
Instrument :
BNA_F
ClientSampleId :
B-4

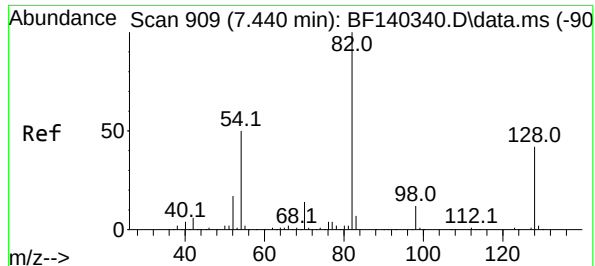
Tgt Ion: 99 Resp: 553687
Ion Ratio Lower Upper
99 100
42 17.8 15.1 22.7
71 34.0 27.9 41.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140438.D
Acq: 16 Nov 2024 18:53

Tgt Ion: 136 Resp: 464845
Ion Ratio Lower Upper
136 100
137 11.0 8.7 13.1
54 8.1 6.5 9.7
68 6.4 5.0 7.6





#23

Nitrobenzene-d5

Concen: 37.957 ng

RT: 7.434 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF140438.D

Acq: 16 Nov 2024 18:53

Instrument :

BNA_F

ClientSampleId :

B-4

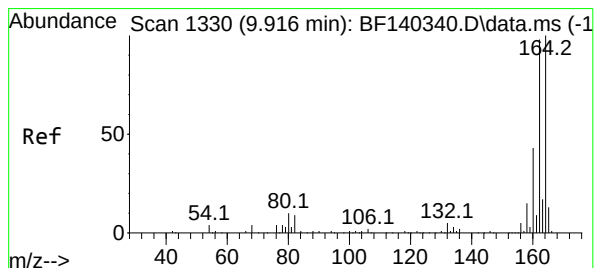
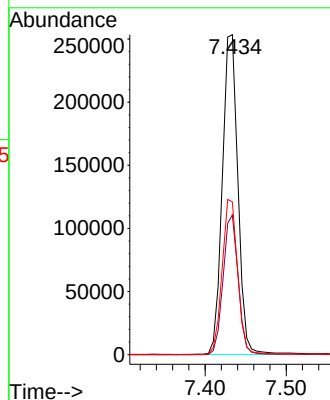
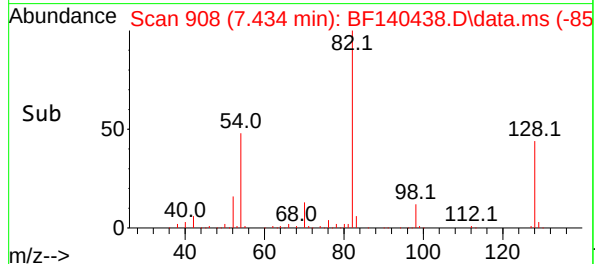
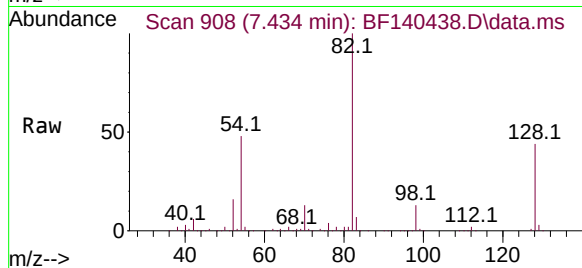
Tgt Ion: 82 Resp: 338637

Ion Ratio Lower Upper

82 100

128 43.7 33.3 49.9

54 47.7 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: BF140438.D

Acq: 16 Nov 2024 18:53

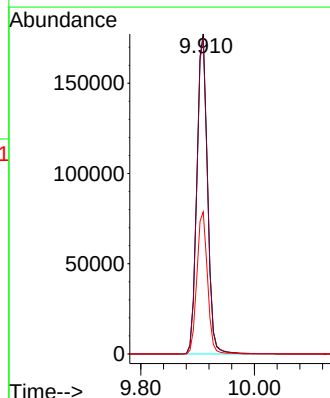
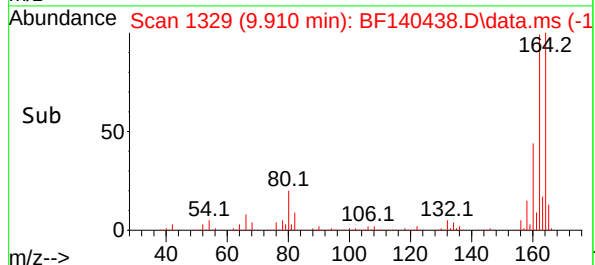
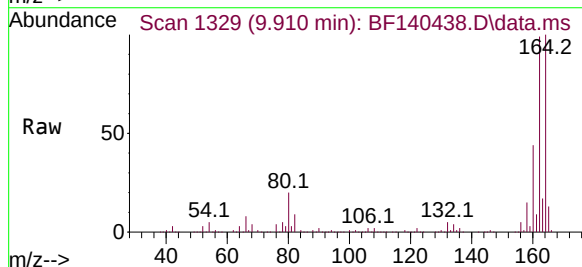
Tgt Ion:164 Resp: 232288

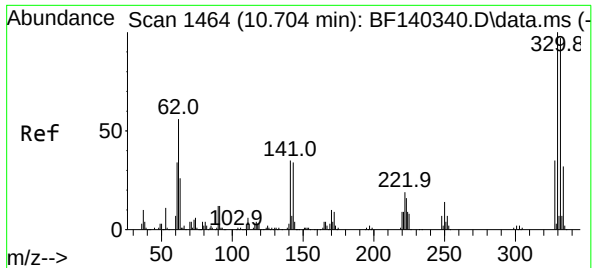
Ion Ratio Lower Upper

164 100

162 98.7 79.8 119.8

160 44.4 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 46.489 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF140438.D

Acq: 16 Nov 2024 18:53

Instrument :

BNA_F

ClientSampleId :

B-4

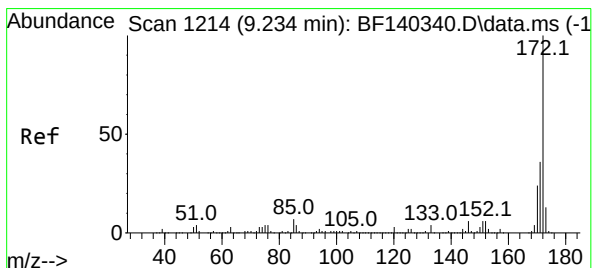
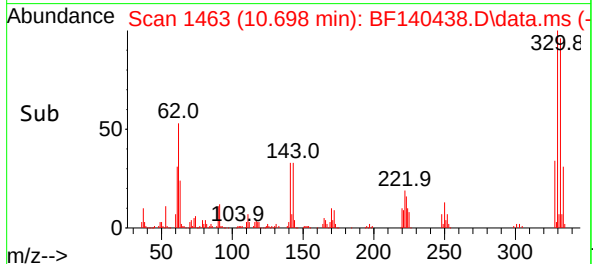
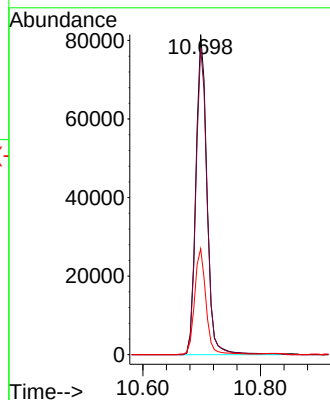
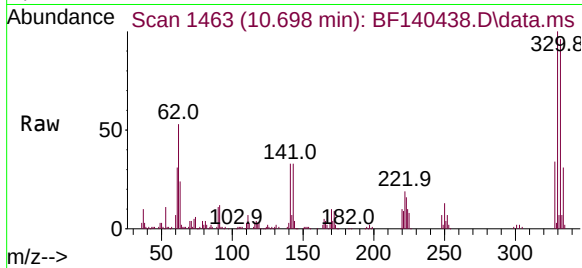
Tgt Ion:330 Resp: 107387

Ion Ratio Lower Upper

330 100

332 96.0 75.9 113.9

141 33.9 26.9 40.3



#45

2-Fluorobiphenyl

Concen: 44.159 ng

RT: 9.228 min Scan# 1213

Delta R.T. -0.006 min

Lab File: BF140438.D

Acq: 16 Nov 2024 18:53

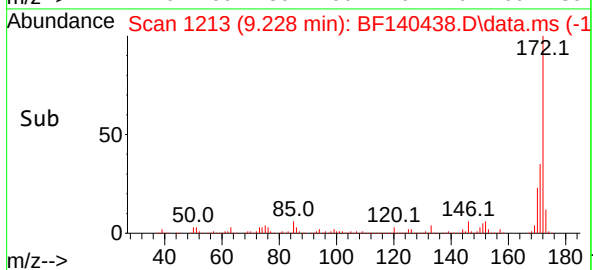
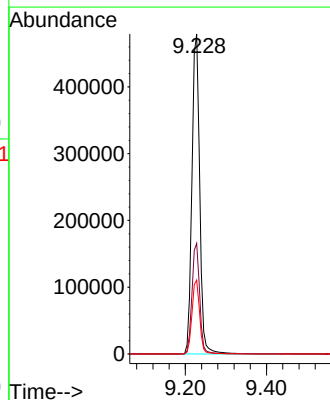
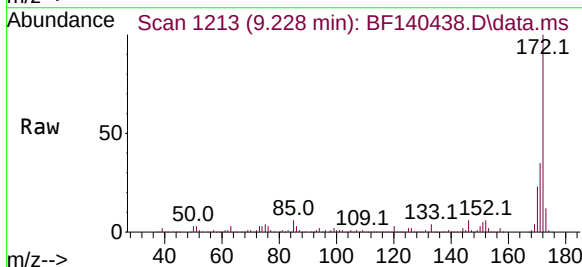
Tgt Ion:172 Resp: 638091

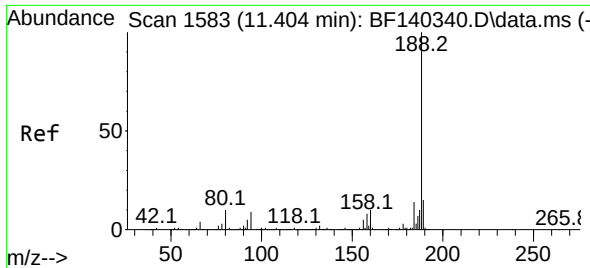
Ion Ratio Lower Upper

172 100

171 34.6 28.5 42.7

170 23.1 19.1 28.7

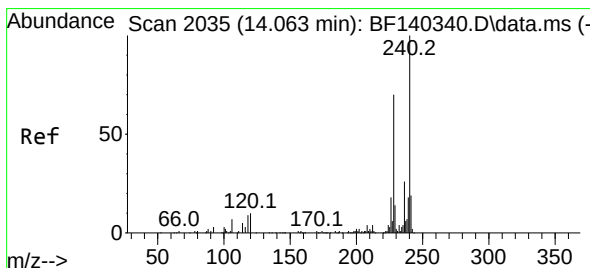
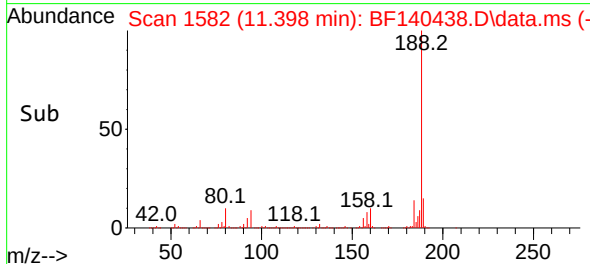
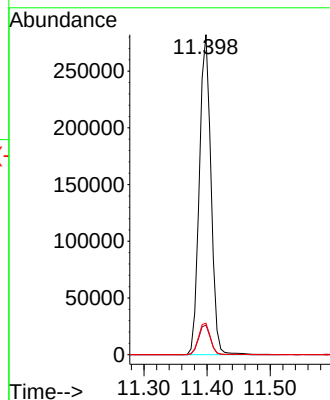
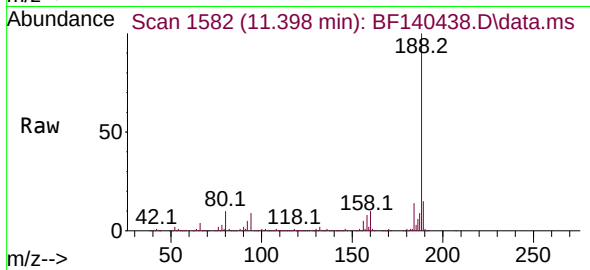




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140438.D
Acq: 16 Nov 2024 18:53

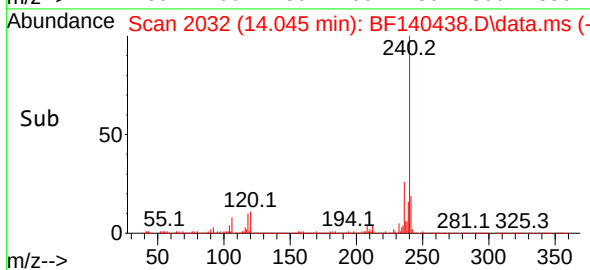
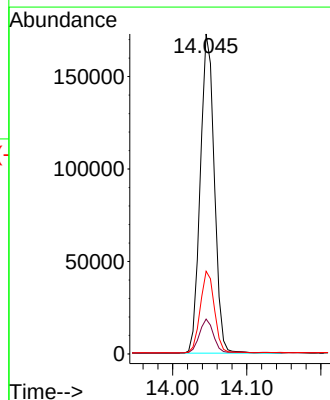
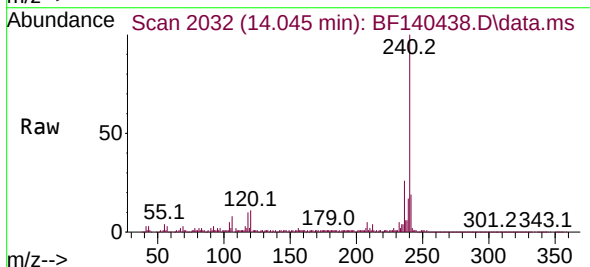
Instrument :
BNA_F
ClientSampleId :
B-4

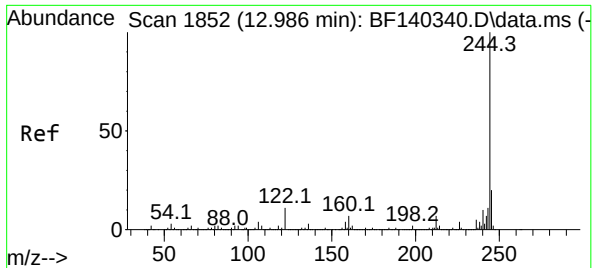
Tgt Ion:188 Resp: 359240
Ion Ratio Lower Upper
188 100
94 9.2 7.6 11.4
80 9.9 8.0 12.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF140438.D
Acq: 16 Nov 2024 18:53

Tgt Ion:240 Resp: 227936
Ion Ratio Lower Upper
240 100
120 10.9 8.8 13.2
236 25.9 20.9 31.3





#79

Terphenyl-d14

Concen: 40.475 ng

RT: 12.980 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140438.D

Acq: 16 Nov 2024 18:53

Instrument :

BNA_F

ClientSampleId :

B-4

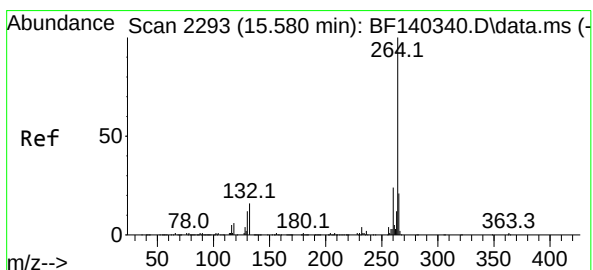
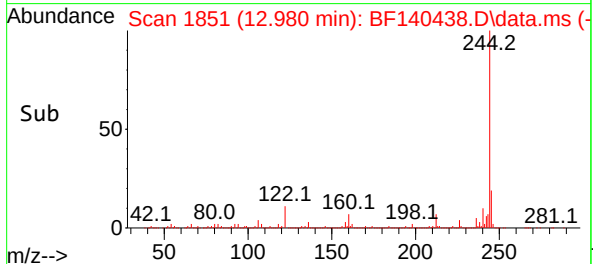
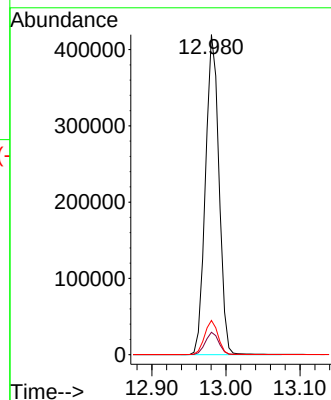
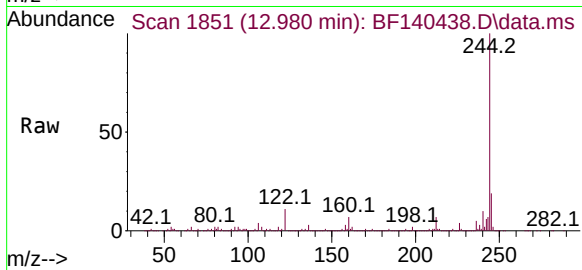
Tgt Ion:244 Resp: 531497

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

122 10.7 8.8 13.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.551 min Scan# 2288

Delta R.T. -0.006 min

Lab File: BF140438.D

Acq: 16 Nov 2024 18:53

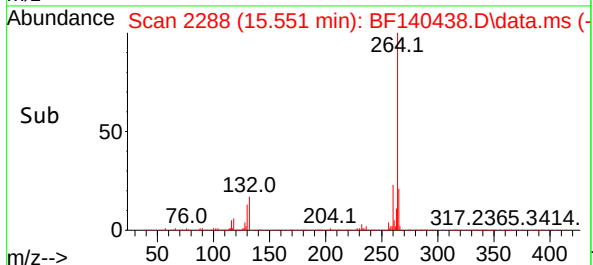
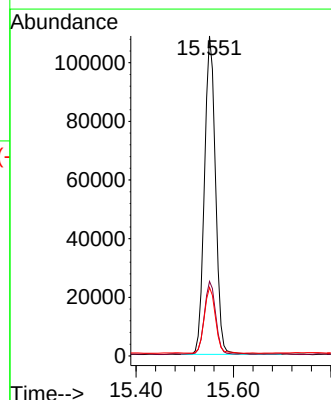
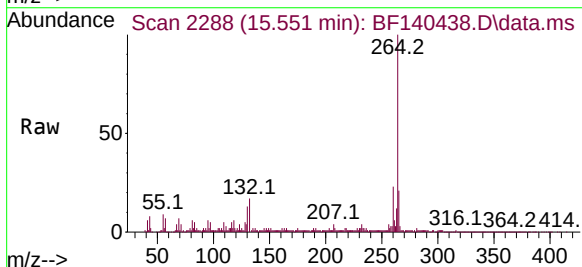
Tgt Ion:264 Resp: 171121

Ion Ratio Lower Upper

264 100

260 23.3 19.2 28.8

265 21.4 17.1 25.7



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
 Data File : BF140438.D
 Acq On : 16 Nov 2024 18:53
 Operator : RC/JU
 Sample : P4768-04
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-4

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

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

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF140438.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.222	16	22	33	rVB	27275	47740	2.65%	0.298%
2	3.405	219	223	242	rBV	5128	19865	1.10%	0.124%
3	4.528	407	414	420	rVB4	11765	24626	1.37%	0.154%
4	4.934	474	483	488	rBV3	11583	18926	1.05%	0.118%
5	5.004	488	495	498	rVV4	27588	50838	2.82%	0.317%
6	5.034	498	500	504	rVV	16648	23533	1.31%	0.147%
7	5.087	504	509	515	rVV2	74814	121767	6.76%	0.760%
8	5.293	538	544	551	rBV	66702	118922	6.60%	0.743%
9	5.357	551	555	559	rVV2	51288	85572	4.75%	0.534%
10	5.393	559	561	566	rVV	26237	34516	1.92%	0.216%
11	5.469	566	574	575	rVV2	182697	261821	14.53%	1.635%
12	5.498	575	579	587	rVV	1119160	1544709	85.75%	9.646%
13	5.569	587	591	595	rVV	45908	66983	3.72%	0.418%
14	5.616	595	599	601	rVV2	17267	26194	1.45%	0.164%
15	5.651	601	605	608	rVV3	41848	72175	4.01%	0.451%
16	5.693	608	612	614	rVV	56268	77116	4.28%	0.482%
17	5.722	614	617	623	rVV2	86090	135500	7.52%	0.846%
18	5.781	623	627	638	rVB	126293	171567	9.52%	1.071%
19	5.898	638	647	651	rBV3	51682	92377	5.13%	0.577%
20	5.940	651	654	662	rVV4	13576	24817	1.38%	0.155%
21	6.034	664	670	674	rVB3	25897	41127	2.28%	0.257%
22	6.122	679	685	691	rBV4	53424	97552	5.42%	0.609%
23	6.310	712	717	720	rBV3	20737	31469	1.75%	0.197%
24	6.369	720	727	729	rVV3	22638	38228	2.12%	0.239%
25	6.404	729	733	739	rVB3	35138	54010	3.00%	0.337%
26	6.510	745	751	760	rBV	1179380	1560267	86.61%	9.743%
27	6.610	764	768	772	rBV3	22670	37960	2.11%	0.237%
28	6.704	780	784	791	rBV	117373	159786	8.87%	0.998%
29	6.875	807	813	818	rVB	598920	769640	42.72%	4.806%
30	7.016	833	837	841	rBV3	36322	45060	2.50%	0.281%
31	7.140	853	858	861	rBV5	22983	32798	1.82%	0.205%
32	7.257	873	878	883	rBV2	18964	35241	1.96%	0.220%
33	7.434	897	908	912	rBV	722722	993080	55.13%	6.202%
34	7.510	917	921	926	rVB5	10956	18634	1.03%	0.116%
35	7.681	946	950	957	rVB2	16776	25094	1.39%	0.157%
36	8.151	1022	1030	1043	rBV	719035	958896	53.23%	5.988%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
Data File : BF140438.D
Acq On : 16 Nov 2024 18:53
Operator : RC/JU
Sample : P4768-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-4

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	9.228	1207	1213	1223	rBV	1352807	1801466	100.00%	11.250%
38	9.910	1323	1329	1338	rBV	744755	980141	54.41%	6.121%
39	10.557	1430	1439	1444	rBV5	12826	26418	1.47%	0.165%
40	10.622	1445	1450	1456	rVV	250401	323349	17.95%	2.019%
41	10.698	1458	1463	1469	rVV	642121	835447	46.38%	5.217%
42	10.757	1469	1473	1479	rVV	29720	64728	3.59%	0.404%
43	10.810	1479	1482	1490	rVB2	18055	33780	1.88%	0.211%
44	10.933	1499	1503	1510	rVB	35638	49227	2.73%	0.307%
45	11.398	1576	1582	1591	rBV	676308	882469	48.99%	5.511%
46	11.922	1666	1671	1681	rBV2	76155	146006	8.10%	0.912%
47	12.086	1696	1699	1704	rBV5	13132	21249	1.18%	0.133%
48	12.616	1785	1789	1792	rBV	20298	32123	1.78%	0.201%
49	12.710	1802	1805	1808	rBV4	14854	20445	1.13%	0.128%
50	12.798	1817	1820	1823	rBV3	17755	20188	1.12%	0.126%
51	12.845	1825	1828	1835	rVV2	25672	43093	2.39%	0.269%
52	12.980	1846	1851	1859	rBV	1098621	1399137	77.67%	8.737%
53	13.463	1929	1933	1940	rVB	220838	294038	16.32%	1.836%
54	14.045	2028	2032	2039	rBV	475392	638795	35.46%	3.989%
55	15.551	2284	2288	2296	rVB	287552	483023	26.81%	3.016%

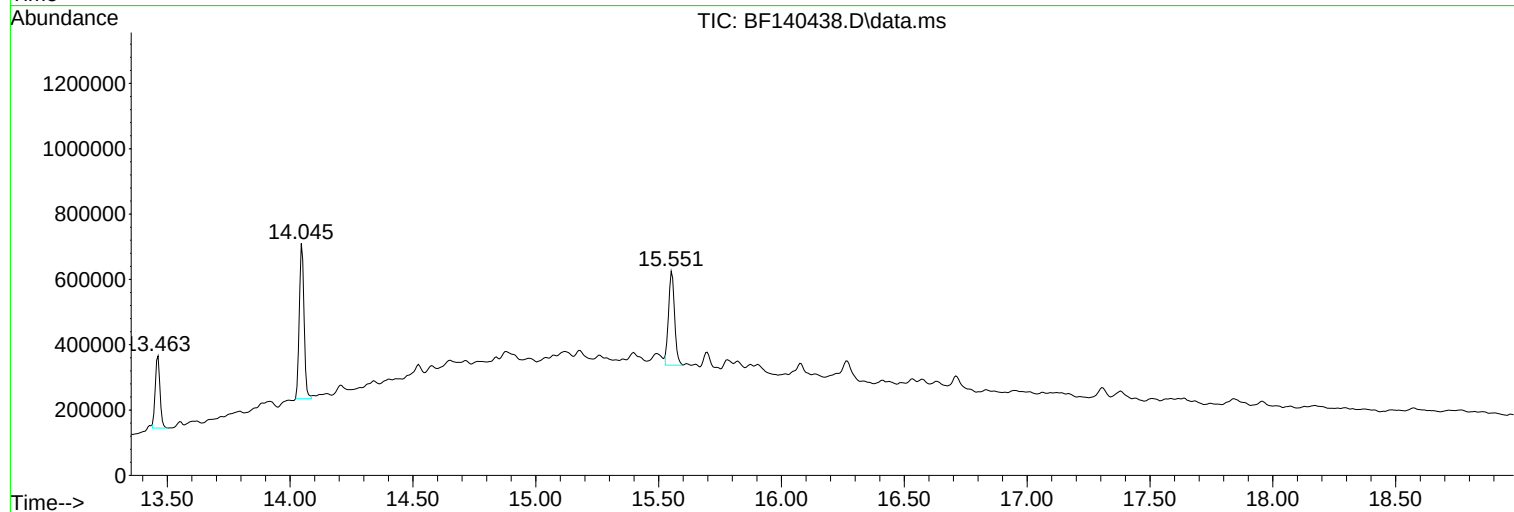
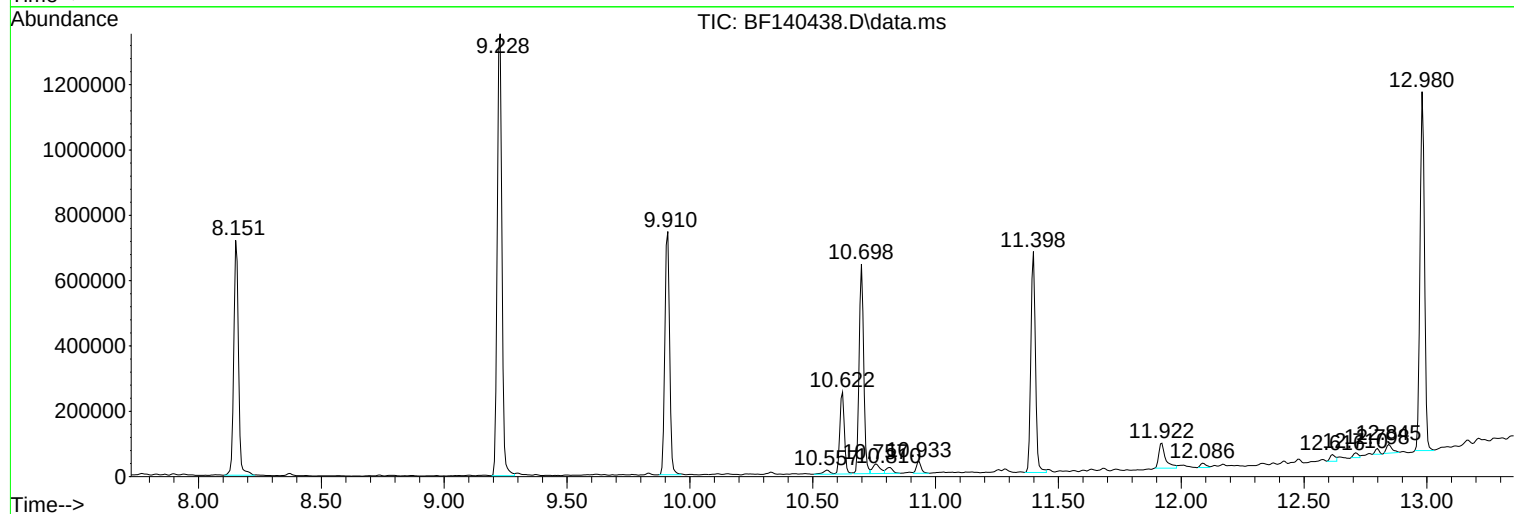
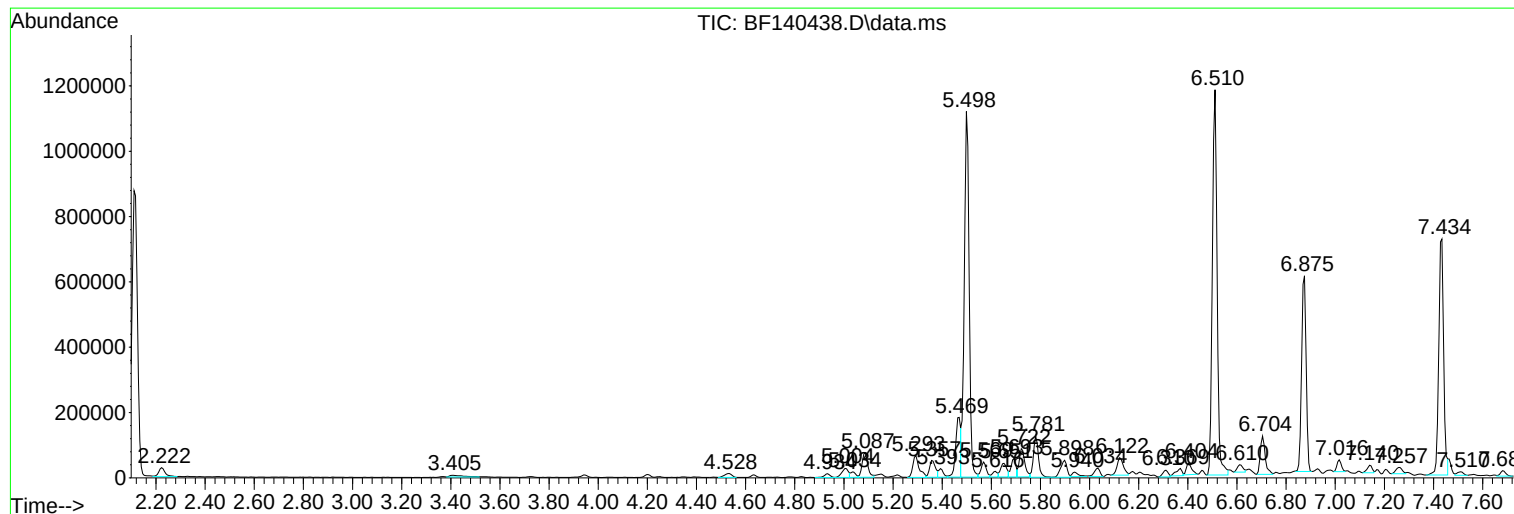
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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
Data File : BF140438.D
Acq On : 16 Nov 2024 18:53
Operator : RC/JU
Sample : P4768-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
Data File : BF140438.D
Acq On : 16 Nov 2024 18:53
Operator : RC/JU
Sample : P4768-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

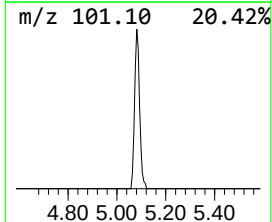
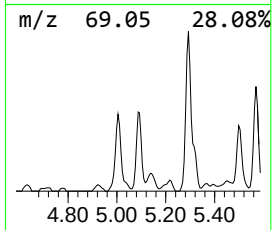
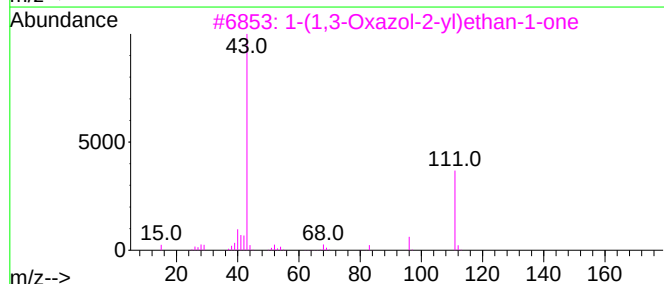
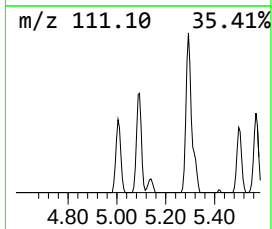
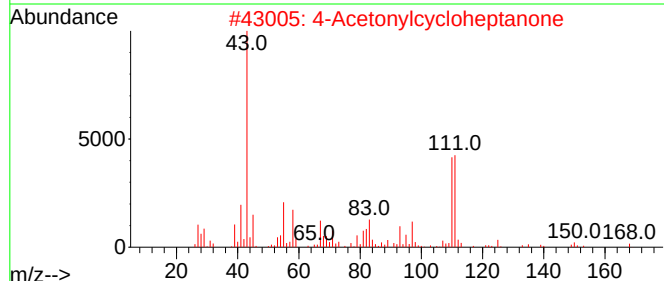
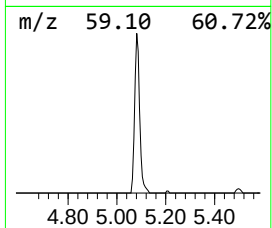
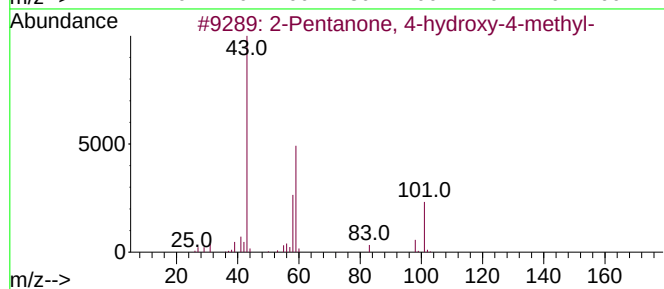
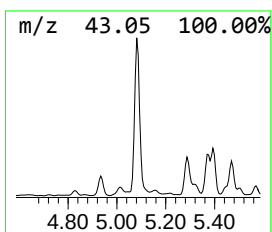
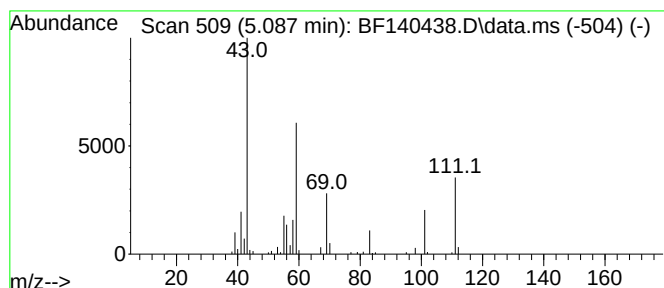
Instrument :
BNA_F
ClientSampleId :
B-4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
5.087	3.16 ng	121767	1,4-Dichlorobenzene-d4	6.875	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	40
2	4-Acetylcycloheptanone	168	C10H16O2	086428-60-6	17
3	1-(1,3-Oxazol-2-yl)ethan-1-one	111	C5H5NO2	077311-07-0	9
4	Acetone	58	C3H6O	000067-64-1	9
5	1-Heptyn-6-one	110	C7H10O	000928-39-2	9



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
Data File : BF140438.D
Acq On : 16 Nov 2024 18:53
Operator : RC/JU
Sample : P4768-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-4

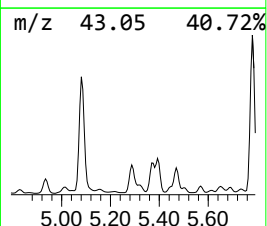
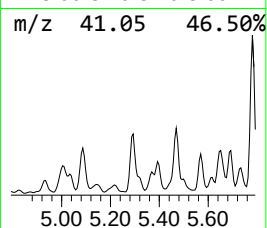
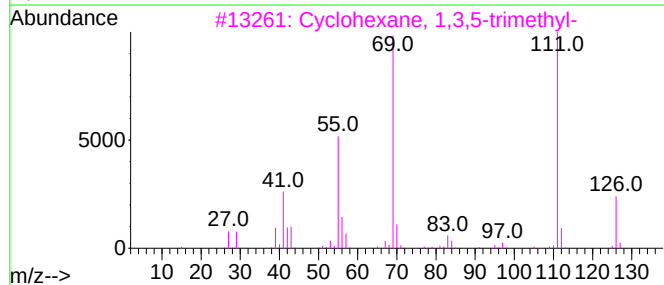
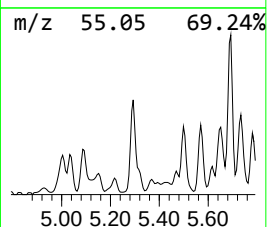
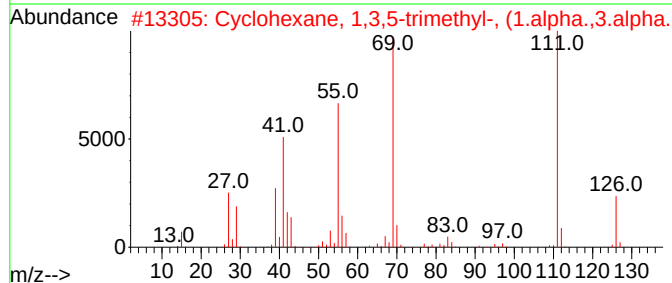
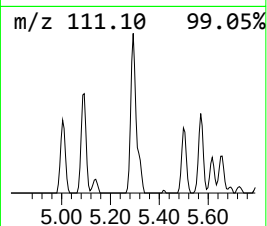
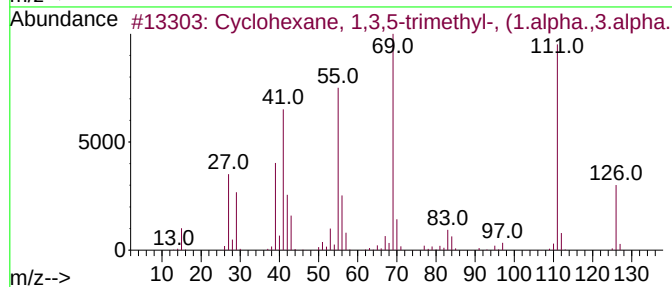
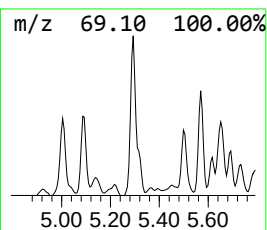
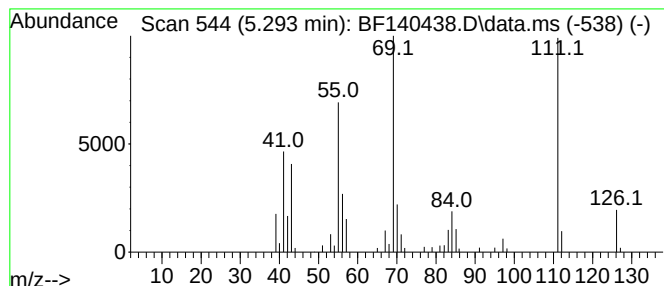
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Cyclohexane, 1,3,5-trimethyl... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.293	3.09 ng	118922	1,4-Dichlorobenzene-d4	6.875

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	87
2			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	72
3			Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	72
4			Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	64
5			Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	52



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
Data File : BF140438.D
Acq On : 16 Nov 2024 18:53
Operator : RC/JU
Sample : P4768-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-4

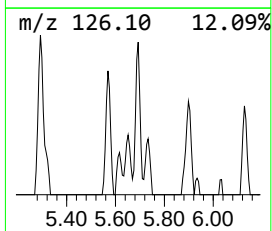
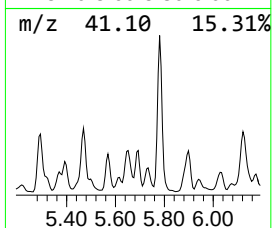
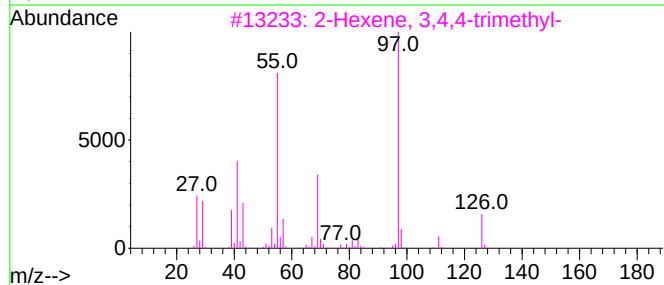
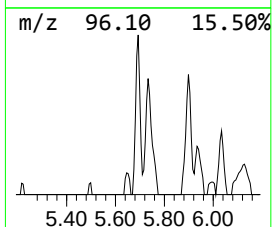
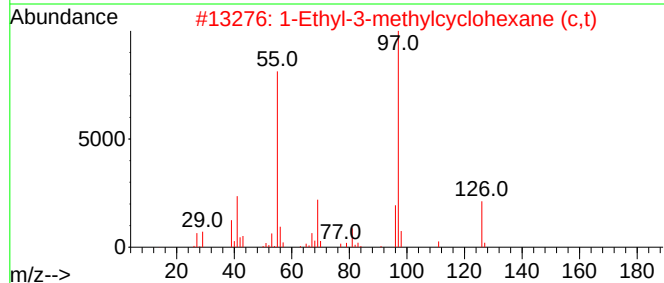
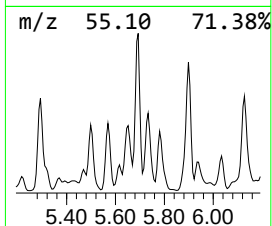
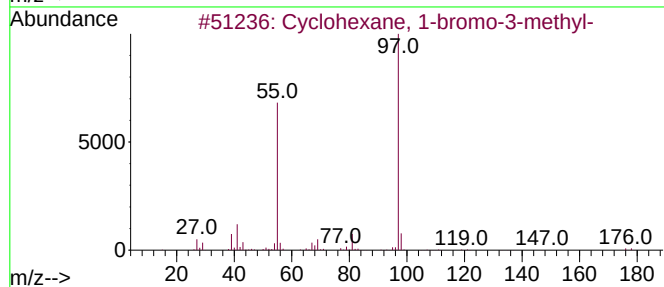
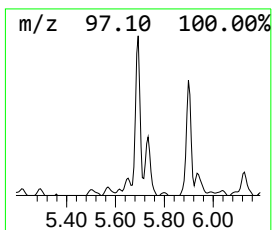
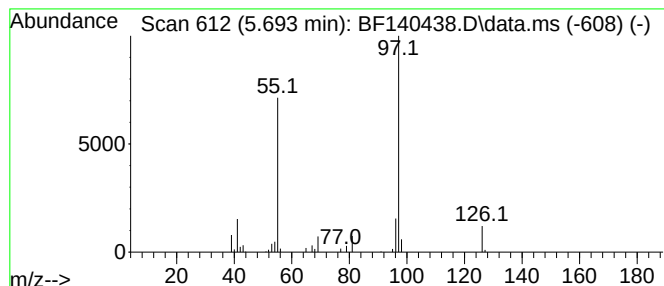
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Cyclohexane, 1-bromo-3-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.693	2.00 ng	77116	1,4-Dichlorobenzene-d4	6.875

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-bromo-3-methyl-	176	C7H13Br	013905-48-1	64
2			1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	64
3			2-Hexene, 3,4,4-trimethyl-	126	C9H18	053941-19-8	64
4			Cyclohexane, 1-bromo-4-methyl-	176	C7H13Br	006294-40-2	64
5			Oxazole, 4,5-dimethyl-	97	C5H7NO	020662-83-3	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
Data File : BF140438.D
Acq On : 16 Nov 2024 18:53
Operator : RC/JU
Sample : P4768-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-4

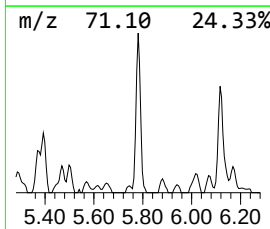
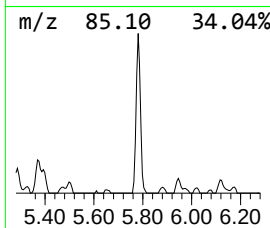
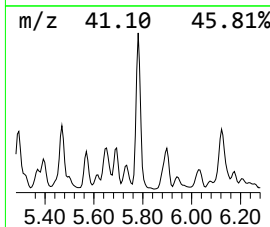
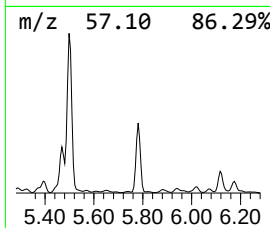
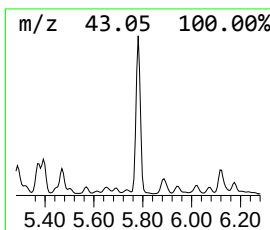
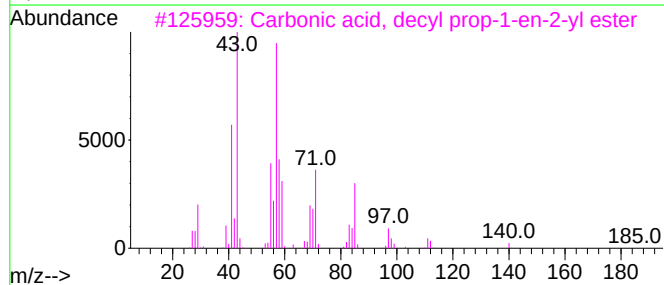
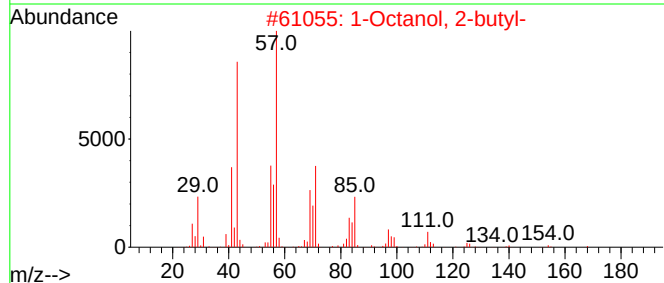
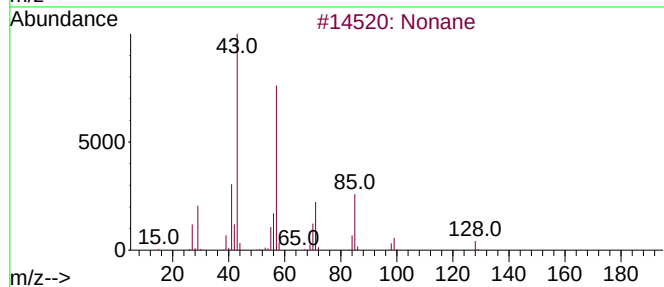
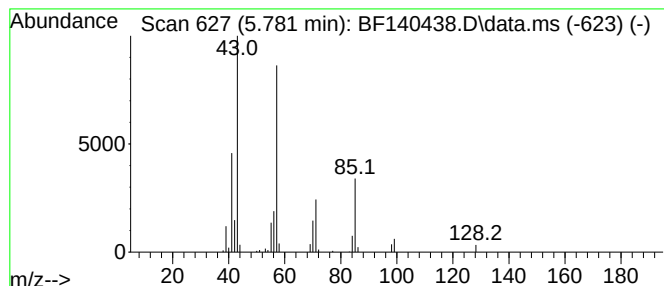
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Nonane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.781	4.46 ng	171567	1,4-Dichlorobenzene-d4	6.875

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonane	128	C9H20	000111-84-2	95
2			1-Octanol, 2-butyl-	186	C12H26O	003913-02-8	78
3			Carbonic acid, decyl prop-1-en-2...	242	C14H26O3	1000382-90-5	78
4			Octane	114	C8H18	000111-65-9	72
5			Octane, 4-methyl-	128	C9H20	002216-34-4	59



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
Data File : BF140438.D
Acq On : 16 Nov 2024 18:53
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Sample : P4768-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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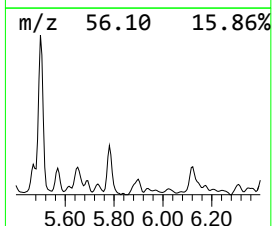
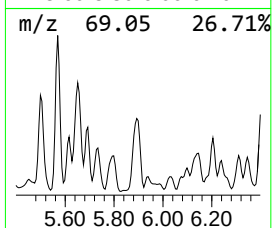
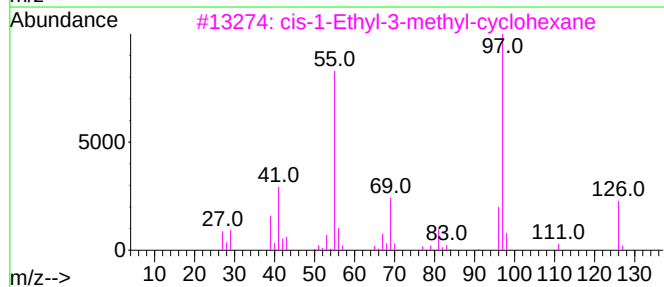
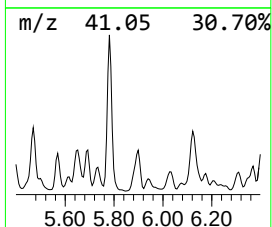
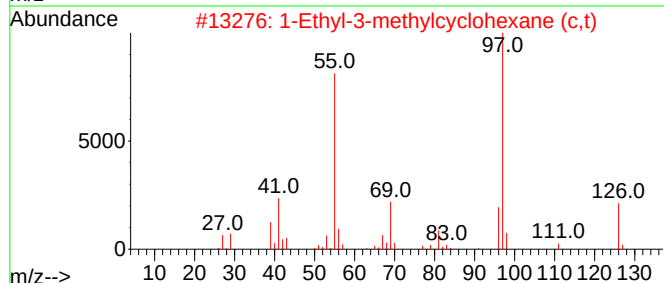
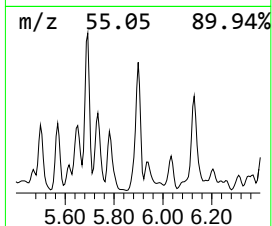
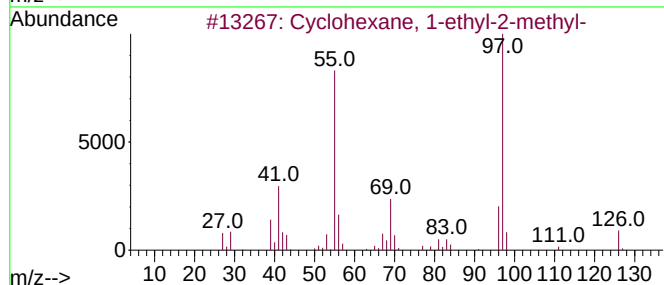
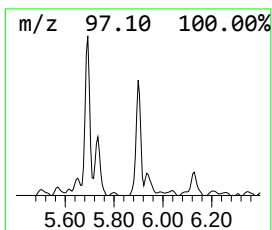
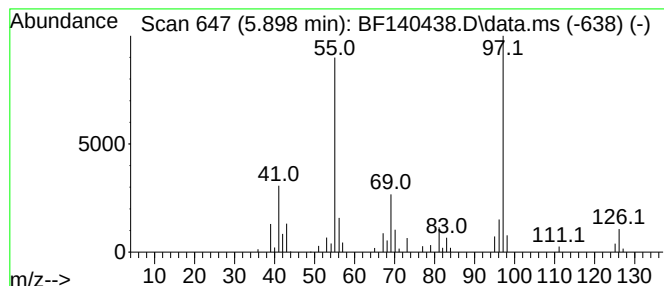
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Cyclohexane, 1-ethyl-2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.898	2.40 ng	92377	1,4-Dichlorobenzene-d4	6.875

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	93
2			1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	83
3			cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	83
4			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	83
5			Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-77-7	80



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
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Sample : P4768-04
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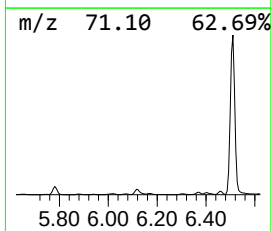
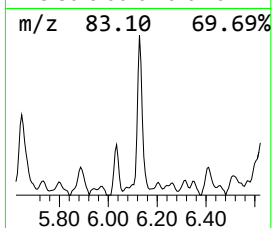
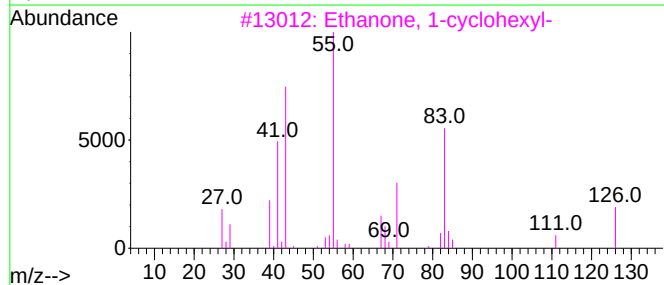
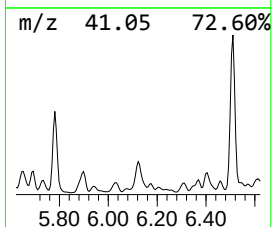
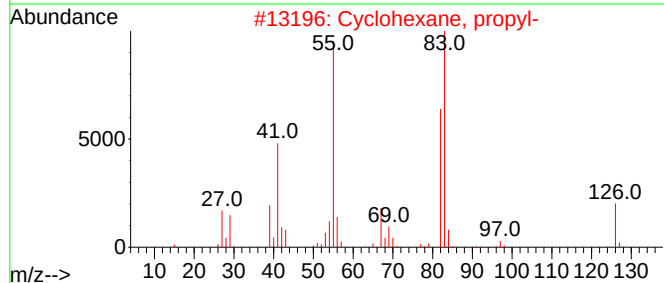
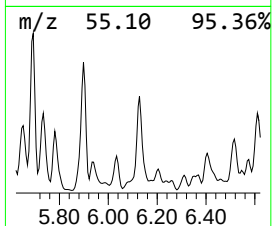
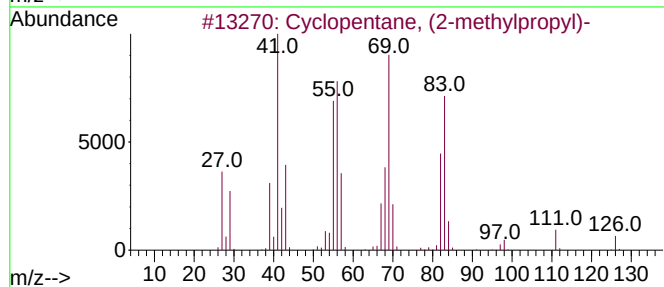
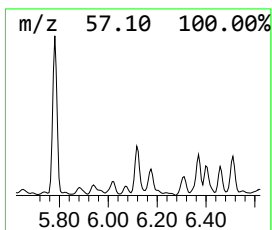
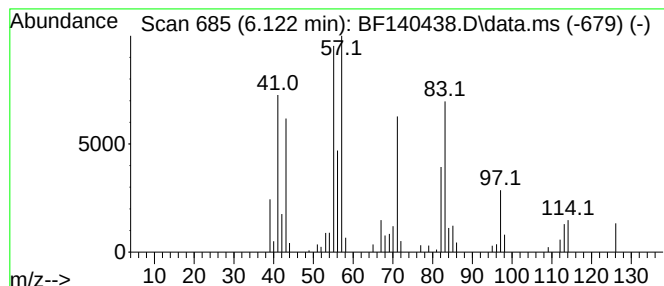
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Cyclopentane, (2-methylprop... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.122	2.54 ng	97552	1,4-Dichlorobenzene-d4	6.875

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, (2-methylpropyl)-	126	C9H18	003788-32-7	53
2	Cyclohexane, propyl-	126	C9H18	001678-92-8	38
3	Ethanone, 1-cyclohexyl-	126	C8H14O	000823-76-7	30
4	Cyclopentane, butyl-	126	C9H18	002040-95-1	30
5	Cyclohexane, ethyl-	112	C8H16	001678-91-7	27



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
Data File : BF140438.D
Acq On : 16 Nov 2024 18:53
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Sample : P4768-04
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Instrument :
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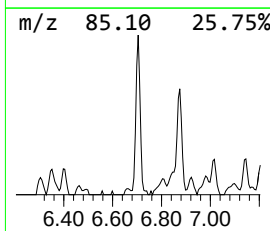
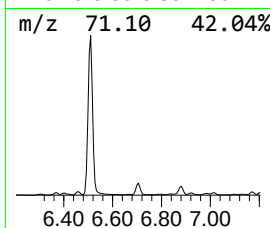
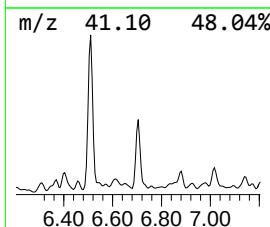
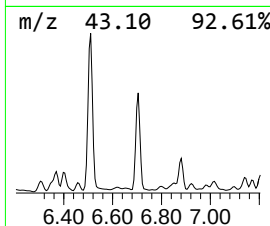
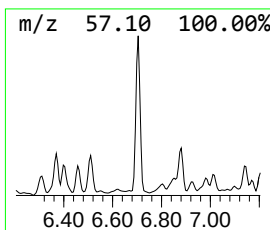
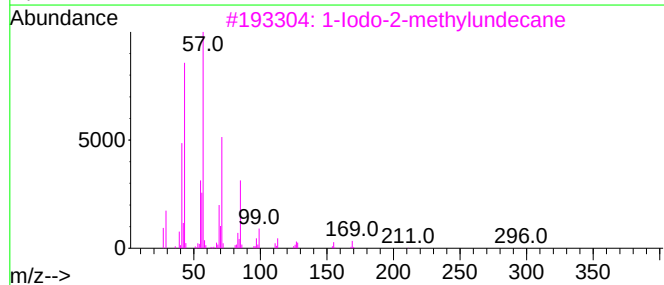
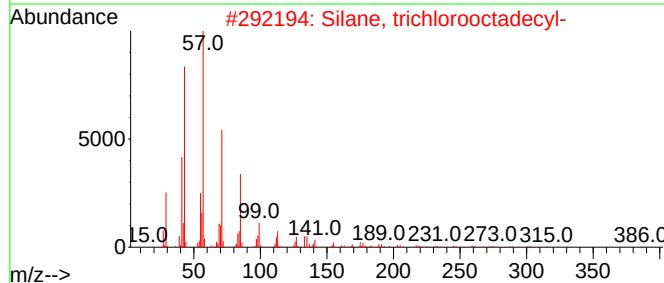
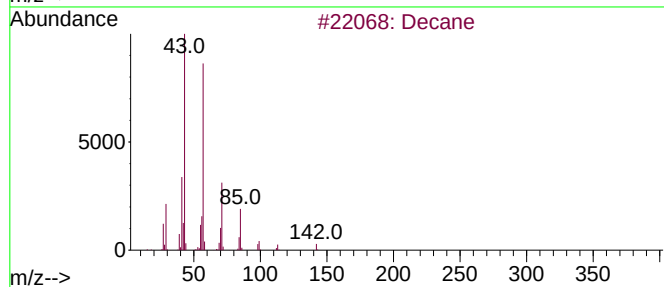
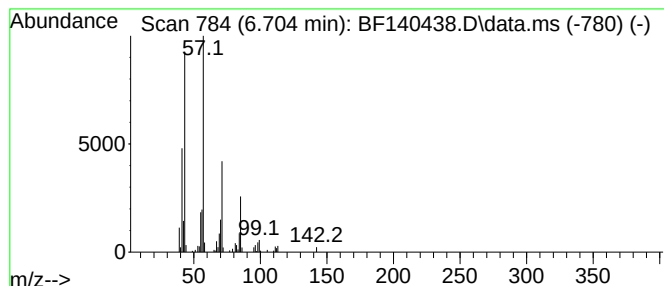
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Decane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.704	4.15 ng	159786	1,4-Dichlorobenzene-d4	6.875

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane	142	C10H22	000124-18-5	95
2			Silane, trichlorooctadecyl-	386	C18H37Cl3Si	000112-04-9	90
3			1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	83
4			Nonane	128	C9H20	000111-84-2	80
5			Tridecane	184	C13H28	000629-50-5	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
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Acq On : 16 Nov 2024 18:53
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Misc :
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ClientSampleId :
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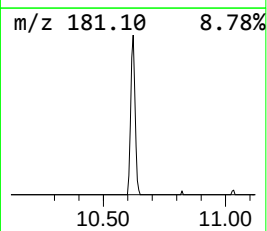
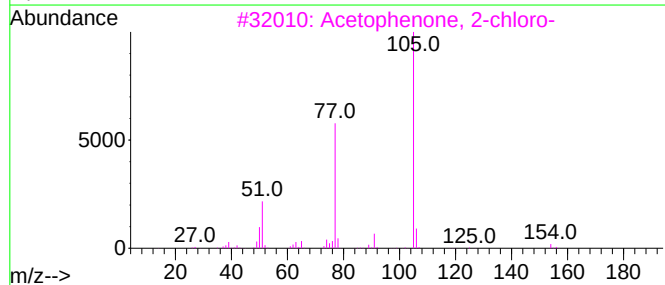
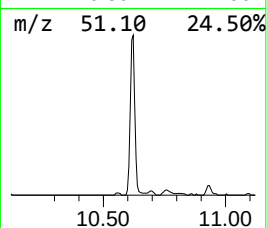
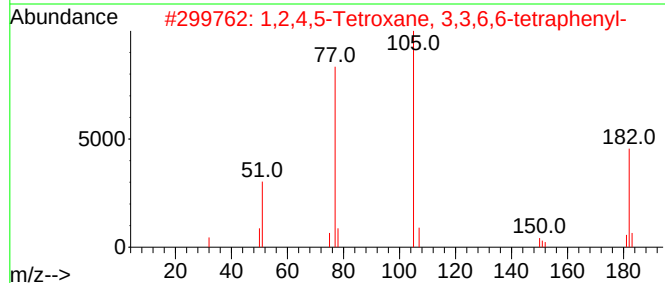
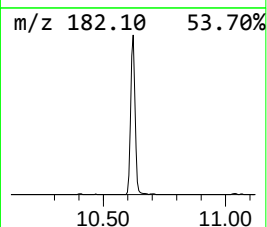
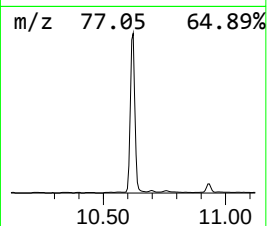
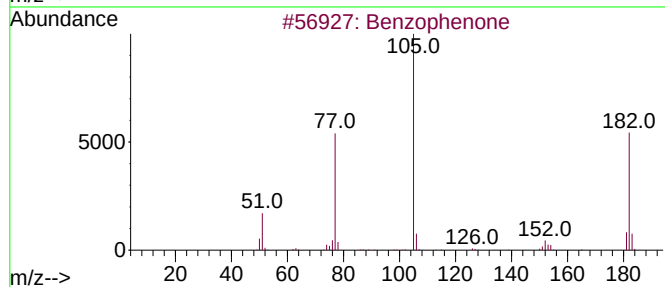
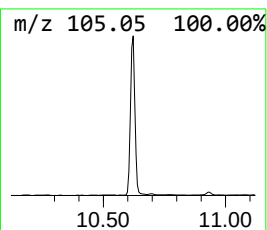
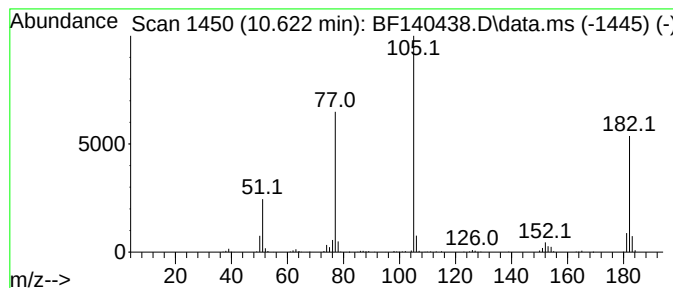
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.622	6.60 ng	323349	Acenaphthene-d10	9.910

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			1,2,4,5-Tetroxane, 3,3,6,6-tetra...	396	C26H20O4	016204-36-7	78
3			Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	49
4			Benzeneacetic acid, .alpha.-oxo-...	164	C9H8O3	015206-55-0	49
5			Benzoyl isothiocyanate	163	C8H5NOS	000532-55-8	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
Data File : BF140438.D
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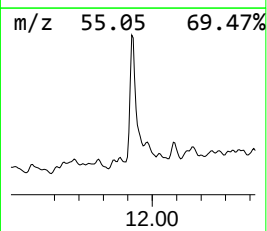
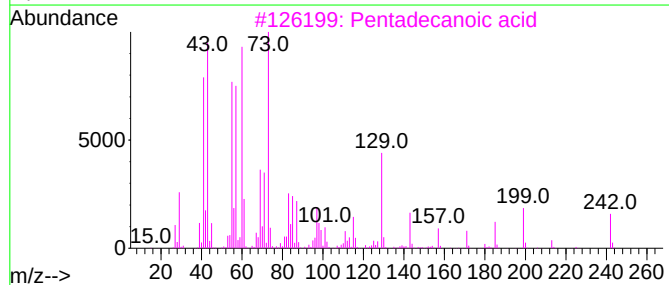
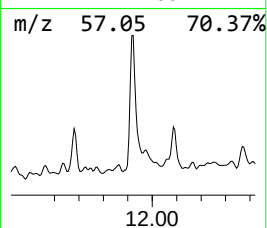
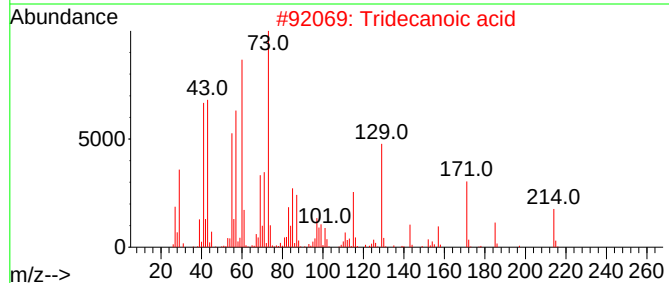
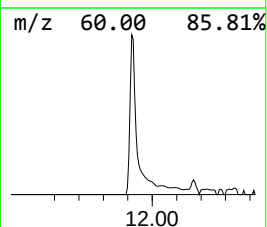
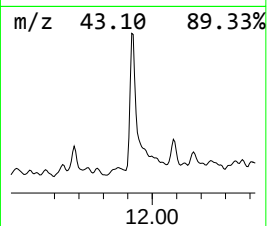
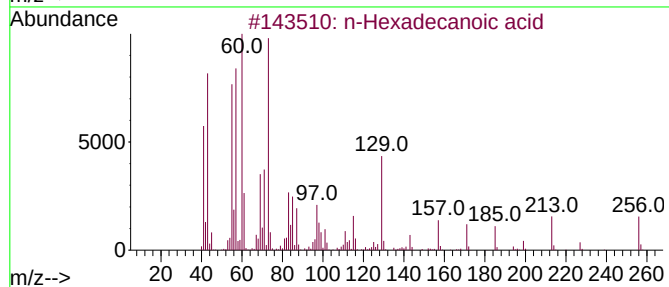
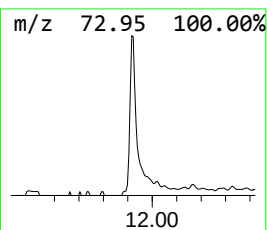
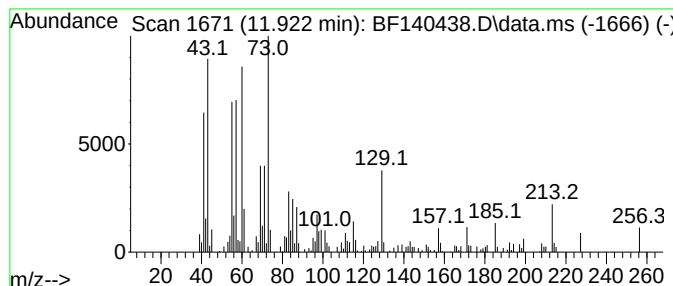
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 n-Hexadecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.922	3.31 ng	146006	Phenanthrene-d10	11.398

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2			Tridecanoic acid	214	C13H26O2	000638-53-9	94
3			Pentadecanoic acid	242	C15H30O2	001002-84-2	91
4			Tetradecanoic acid	228	C14H28O2	000544-63-8	80
5			n-Decanoic acid	172	C10H20O2	000334-48-5	52



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
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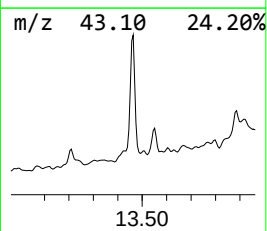
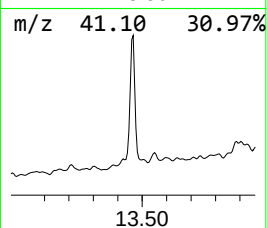
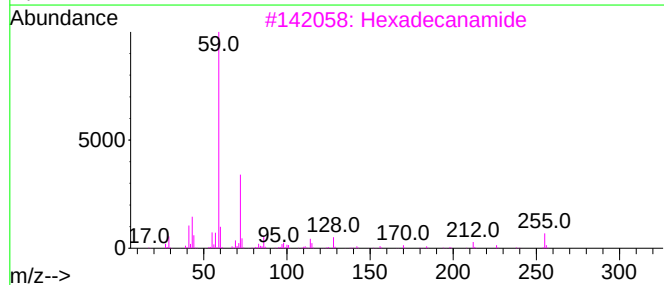
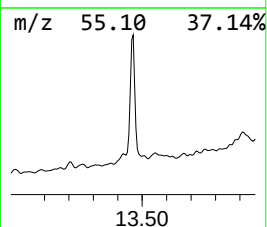
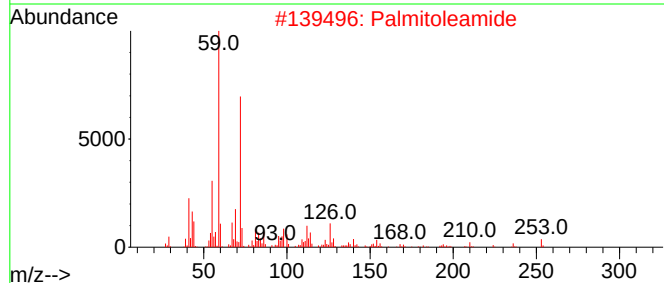
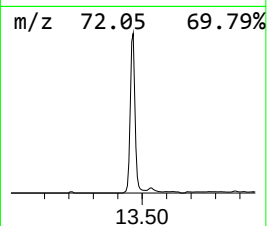
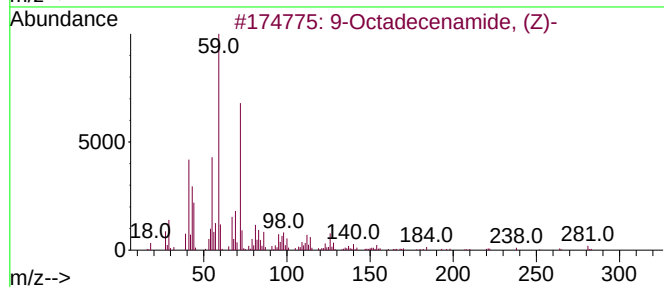
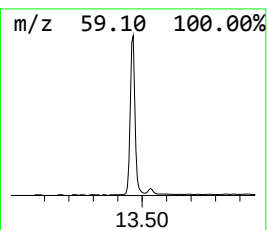
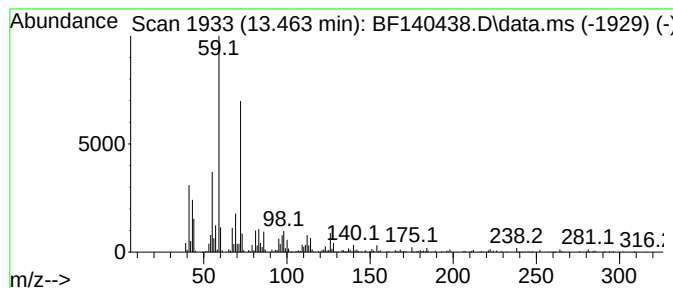
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 9-Octadecenamide, (Z)- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.463	9.21 ng	294038	Chrysene-d12	14.045

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		9-Octadecenamide, (Z)-	281	C18H35NO	000301-02-0	98
2		Palmitoleamide	253	C16H31NO	106010-22-4	80
3		Hexadecanamide	255	C16H33NO	000629-54-9	59
4		Dodecanamide	199	C12H25NO	001120-16-7	59
5		Octanamide	143	C8H17NO	000629-01-6	59



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
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ALS Vial : 23 Sample Multiplier: 1

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ClientSampleId :
B-4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-...	5.087	3.2	ng	121767	1	6.875	769640	20.0
Cyclohexane, 1-...	5.293	3.1	ng	118922	1	6.875	769640	20.0
Cyclohexane, 1-...	5.693	2.0	ng	77116	1	6.875	769640	20.0
Nonane	5.781	4.5	ng	171567	1	6.875	769640	20.0
Cyclohexane, 1-...	5.898	2.4	ng	92377	1	6.875	769640	20.0
Cyclopentane, (...)	6.122	2.5	ng	97552	1	6.875	769640	20.0
Decane	6.704	4.2	ng	159786	1	6.875	769640	20.0
Benzophenone	10.622	6.6	ng	323349	3	9.910	980141	20.0
n-Hexadecanoic ...	11.922	3.3	ng	146006	4	11.398	882469	20.0
9-Octadecenamid...	13.463	9.2	ng	294038	5	14.045	638795	20.0

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-5	SDG No.:	P4768
Lab Sample ID:	P4768-05	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	90
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140508.D	1	11/08/24 09:45	11/20/24 19:09	PB164789

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	200	U	200	370	ug/Kg
108-95-2	Phenol	92.1	U	92.1	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	93.0	U	93.0	190	ug/Kg
95-57-8	2-Chlorophenol	92.7	U	92.7	190	ug/Kg
95-48-7	2-Methylphenol	89.5	U	89.5	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	190	ug/Kg
98-86-2	Acetophenone	96.5	U	96.5	190	ug/Kg
65794-96-9	3+4-Methylphenols	88.6	U	88.6	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	44.8	U	44.8	88.9	ug/Kg
67-72-1	Hexachloroethane	92.2	U	92.2	190	ug/Kg
98-95-3	Nitrobenzene	100	U	100	190	ug/Kg
78-59-1	Isophorone	94.0	U	94.0	190	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	190	ug/Kg
105-67-9	2,4-Dimethylphenol	100	U	100	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	95.3	U	95.3	190	ug/Kg
120-83-2	2,4-Dichlorophenol	83.9	U	83.9	190	ug/Kg
91-20-3	Naphthalene	91.7	U	91.7	190	ug/Kg
106-47-8	4-Chloroaniline	91.7	U	91.7	190	ug/Kg
87-68-3	Hexachlorobutadiene	92.5	U	92.5	190	ug/Kg
105-60-2	Caprolactam	96.4	U	96.4	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	86.1	U	86.1	190	ug/Kg
91-57-6	2-Methylnaphthalene	91.6	U	91.6	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	170	U	170	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	79.3	U	79.3	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	82.2	U	82.2	190	ug/Kg
92-52-4	1,1-Biphenyl	97.1	U	97.1	190	ug/Kg
91-58-7	2-Chloronaphthalene	92.5	U	92.5	190	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	190	ug/Kg
131-11-3	Dimethylphthalate	90.7	U	90.7	190	ug/Kg

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-5	SDG No.:	P4768
Lab Sample ID:	P4768-05	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	90
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140508.D	1	11/08/24 09:45	11/20/24 19:09	PB164789

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	96.1	U	96.1	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	92.4	U	92.4	190	ug/Kg
99-09-2	3-Nitroaniline	99.1	U	99.1	190	ug/Kg
83-32-9	Acenaphthene	90.1	U	90.1	190	ug/Kg
51-28-5	2,4-Dinitrophenol	270	U	270	370	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	370	ug/Kg
132-64-9	Dibenzofuran	93.7	U	93.7	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	95.7	U	95.7	190	ug/Kg
84-66-2	Diethylphthalate	89.0	U	89.0	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	95.1	U	95.1	190	ug/Kg
86-73-7	Fluorene	95.0	U	95.0	190	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	U	130	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	90.6	U	90.6	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	87.6	U	87.6	190	ug/Kg
118-74-1	Hexachlorobenzene	94.4	U	94.4	190	ug/Kg
1912-24-9	Atrazine	100	U	100	190	ug/Kg
87-86-5	Pentachlorophenol	85.9	U	85.9	370	ug/Kg
85-01-8	Phenanthrene	93.3	U	93.3	190	ug/Kg
120-12-7	Anthracene	93.7	U	93.7	190	ug/Kg
86-74-8	Carbazole	89.2	U	89.2	190	ug/Kg
84-74-2	Di-n-butylphthalate	93.6	U	93.6	190	ug/Kg
206-44-0	Fluoranthene	90.7	U	90.7	190	ug/Kg
129-00-0	Pyrene	92.2	U	92.2	190	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	370	ug/Kg
56-55-3	Benzo(a)anthracene	89.6	U	89.6	190	ug/Kg
218-01-9	Chrysene	88.3	U	88.3	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	100	U	100	190	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	90.1	U	90.1	190	ug/Kg

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-5	SDG No.:	P4768
Lab Sample ID:	P4768-05	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	90
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140508.D	1	11/08/24 09:45	11/20/24 19:09	PB164789

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	91.7	U	91.7	190	ug/Kg
50-32-8	Benzo(a)pyrene	100	U	100	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	86.7	U	86.7	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	90.2	U	90.2	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	89.0	U	89.0	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	96.4	U	96.4	190	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	83.0	U	83.0	190	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	91.7		18 - 112	61%	SPK: 150
13127-88-3	Phenol-d6	85.6		15 - 107	57%	SPK: 150
4165-60-0	Nitrobenzene-d5	65.3		18 - 107	65%	SPK: 100
321-60-8	2-Fluorobiphenyl	72.3		20 - 109	72%	SPK: 100
118-79-6	2,4,6-Tribromophenol	82.0		10 - 116	55%	SPK: 150
1718-51-0	Terphenyl-d14	63.7		10 - 105	64%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	97800	6.875
1146-65-2	Naphthalene-d8	331000	8.151
15067-26-2	Acenaphthene-d10	156000	9.904
1517-22-2	Phenanthrene-d10	250000	11.398
1719-03-5	Chrysene-d12	156000	14.062
1520-96-3	Perylene-d12	144000	15.568

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	2100	JB	2.14	ug/Kg
003073-66-3	Cyclohexane, 1,1,3-trimethyl-	230	J	5.09	ug/Kg
255885-37-1	Cyclooctane, 1-methyl-3-propyl-	160	J	5.89	ug/Kg
062960-76-3	4-Octene, 2,6-dimethyl-, [S-(E)]-	490	J	6.41	ug/Kg
	unknown6.651	170	J	6.65	ug/Kg
035216-11-6	7-Tetradecyne	170	J	6.96	ug/Kg
074630-30-1	2-Decene, 4-methyl-, (Z)-	280	J	7.14	ug/Kg

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-5	SDG No.:	P4768
Lab Sample ID:	P4768-05	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	90
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140508.D	1	11/08/24 09:45	11/20/24 19:09	PB164789

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
025183-82-8	1-Cyclohexyl-2-methyl-prop-2-en-1-	180	J		7.29	ug/Kg
017983-22-1	Ketone, methyl 2,2,3-trimethylcycl	260	J		7.51	ug/Kg
002958-76-1	Naphthalene, decahydro-2-methyl-	270	J		7.67	ug/Kg
002547-27-5	trans-4a-Methyl-decahydronaphthale	270	J		7.79	ug/Kg
	unknown8.022	180	J		8.02	ug/Kg
074645-98-0	Dodecane, 2,7,10-trimethyl-	230	J		8.20	ug/Kg
	unknown8.239	200	J		8.24	ug/Kg
054676-39-0	Cyclohexane, 2-butyl-1,1,3-trimeth	370	J		8.36	ug/Kg
066660-39-7	trans, cis-2-Ethylbicyclo[4.4.0]de	410	J		8.44	ug/Kg
061142-70-9	Cyclohexane, 2,4-diethyl-1-methyl-	370	J		8.59	ug/Kg
091695-32-8	2-Undecene, 4-methyl-	250	J		8.69	ug/Kg
	unknown8.833	280	J		8.83	ug/Kg
000119-61-9	Benzophenone	450	J		10.6	ug/Kg

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 : BF140508.D
Acq On : 20 Nov 2024 19:09
Operator : RC/JU
Sample : P4768-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-5

Quant Time: Nov 21 00:07:43 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

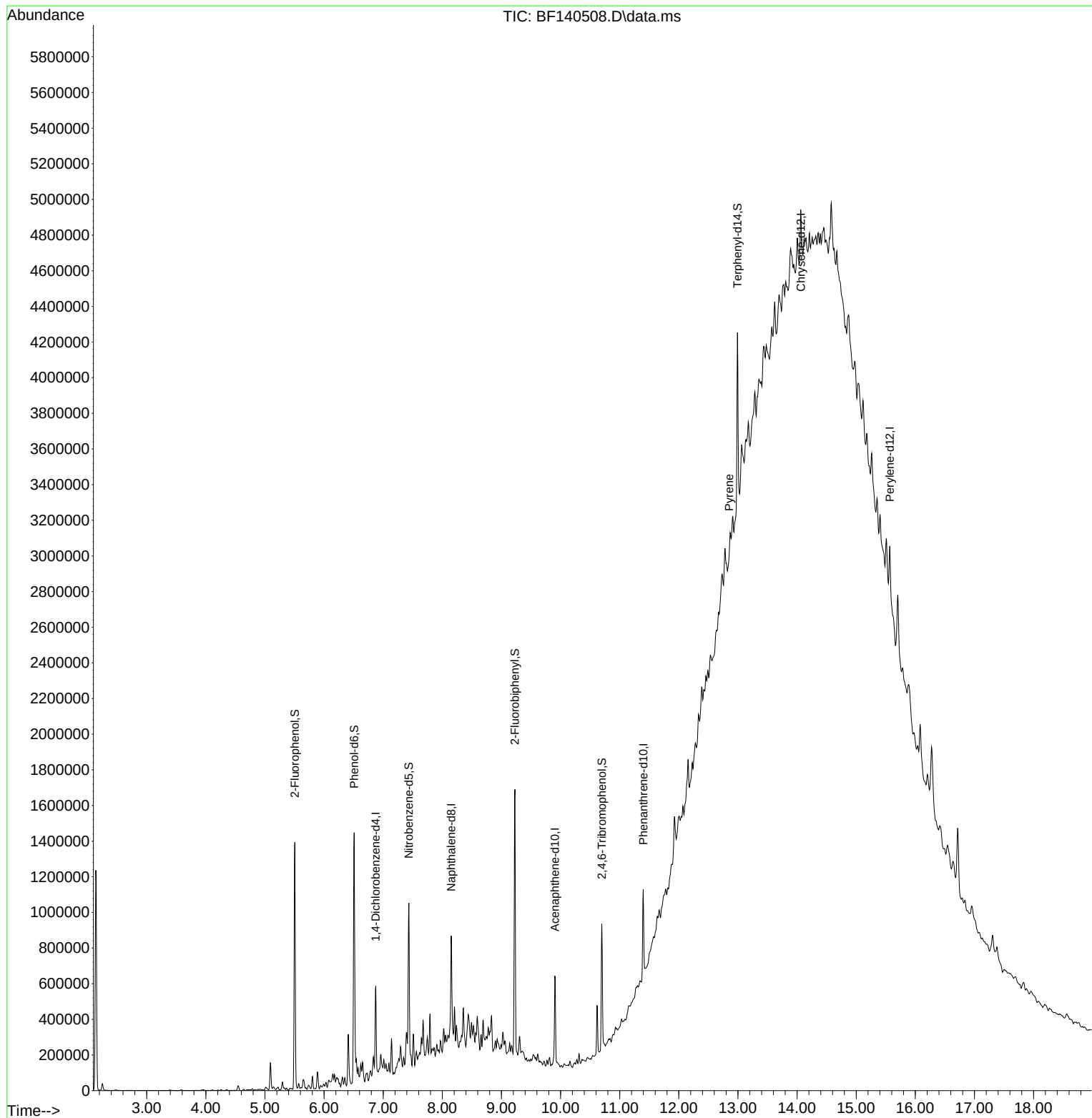
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	97789	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	331411	20.000	ng	# 0.00
39) Acenaphthene-d10	9.904	164	155672	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	250354	20.000	ng	0.00
76) Chrysene-d12	14.062	240	155764	20.000	ng	# 0.01
86) Perylene-d12	15.568	264	143752	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	525062	91.675	ng	0.01
7) Phenol-d6	6.510	99	664150	85.589	ng	0.00
23) Nitrobenzene-d5	7.433	82	415268	65.286	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	127007	82.044	ng	0.00
45) 2-Fluorobiphenyl	9.227	172	700202	72.306	ng	0.00
79) Terphenyl-d14	12.992	244	571296	63.664	ng	0.00
Target Compounds						
78) Pyrene	12.851	202	28638	2.149	ng	# 54

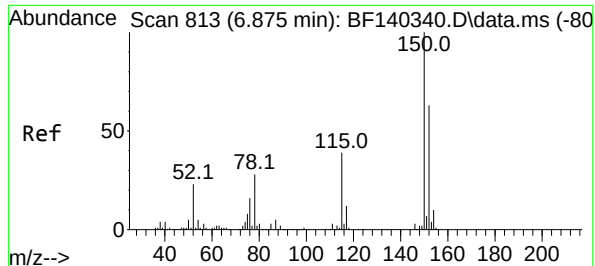
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140508.D
Acq On : 20 Nov 2024 19:09
Operator : RC/JU
Sample : P4768-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-5

Quant Time: Nov 21 00:07:43 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

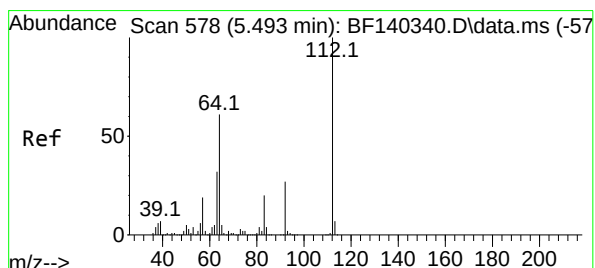
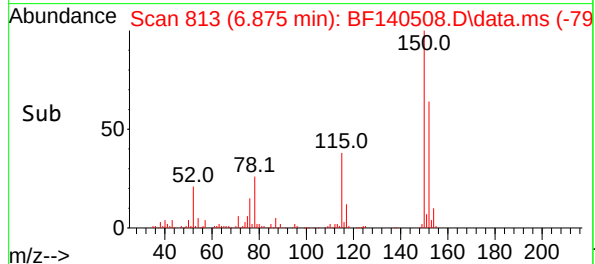
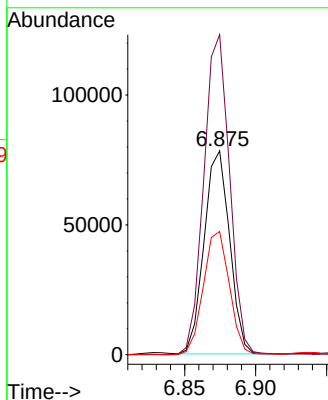
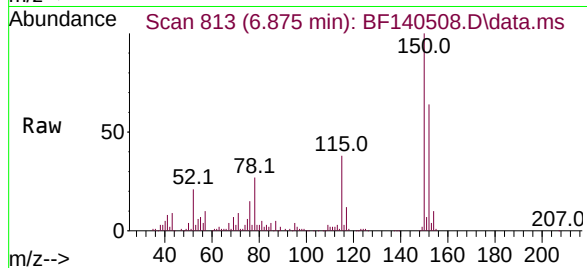




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF140508.D
Acq: 20 Nov 2024 19:09

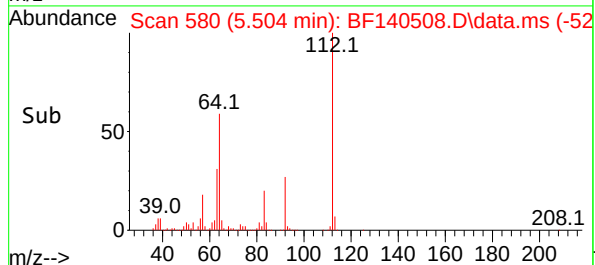
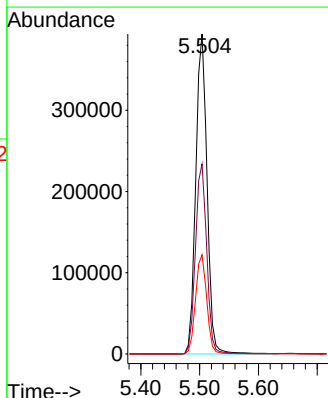
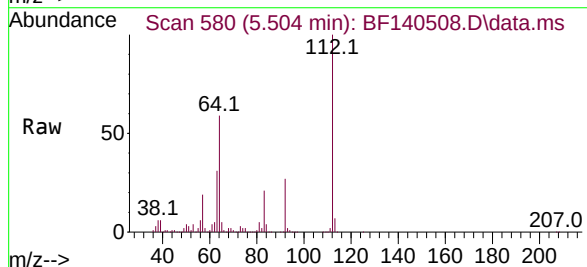
Instrument :
BNA_F
ClientSampleId :
B-5

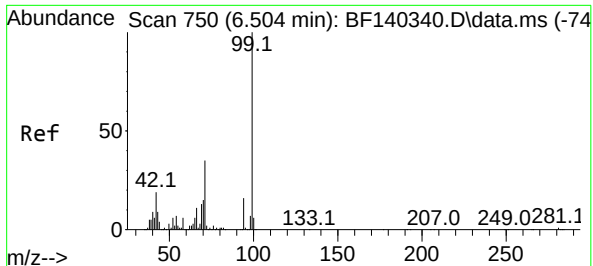
Tgt Ion:152 Resp: 97789
Ion Ratio Lower Upper
152 100
150 156.9 127.4 191.0
115 60.4 47.4 71.2



#5
2-Fluorophenol
Concen: 91.675 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.012 min
Lab File: BF140508.D
Acq: 20 Nov 2024 19:09

Tgt Ion:112 Resp: 525062
Ion Ratio Lower Upper
112 100
64 59.4 49.2 73.8
63 31.0 25.6 38.4

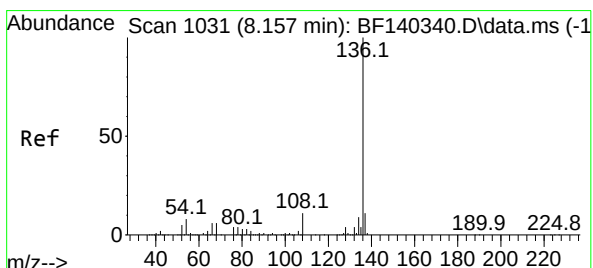
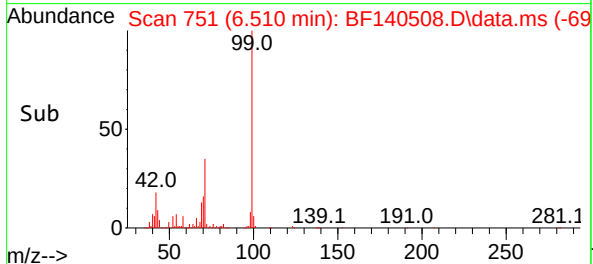
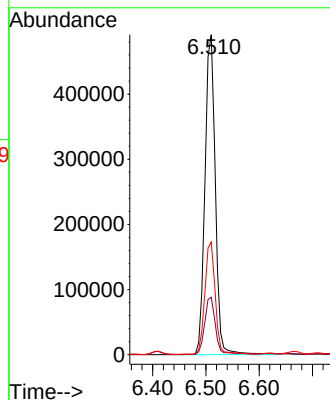
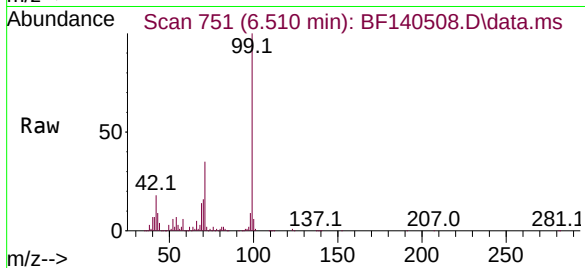




#7
Phenol-d6
Concen: 85.589 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF140508.D
Acq: 20 Nov 2024 19:09

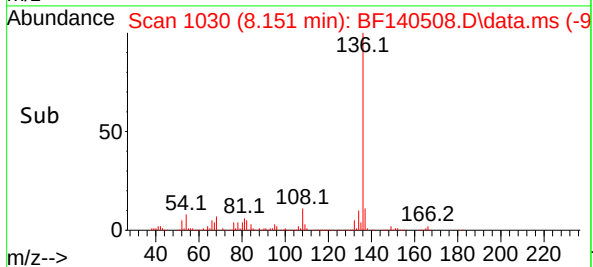
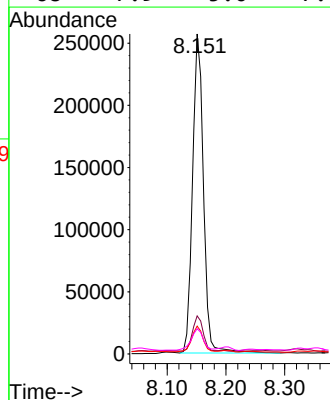
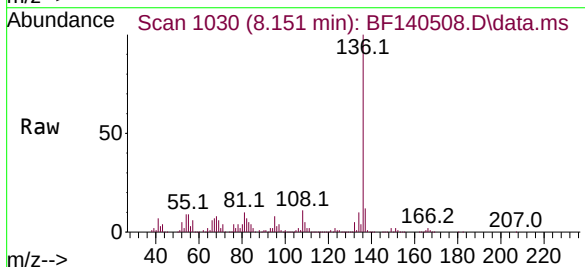
Instrument :
BNA_F
ClientSampleId :
B-5

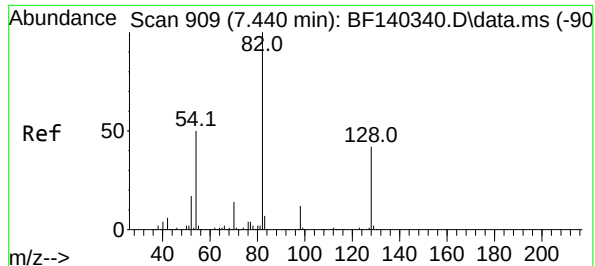
Tgt Ion	Ratio	Lower	Upper
99	100		
42	17.9	15.1	22.7
71	35.2	27.9	41.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140508.D
Acq: 20 Nov 2024 19:09

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.9	8.7	13.1
54	8.7	6.5	9.7
68	7.9	5.0	7.6





#23

Nitrobenzene-d5

Concen: 65.286 ng

RT: 7.433 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF140508.D

Acq: 20 Nov 2024 19:09

Instrument :

BNA_F

ClientSampleId :

B-5

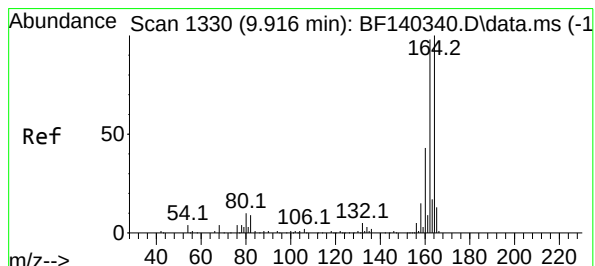
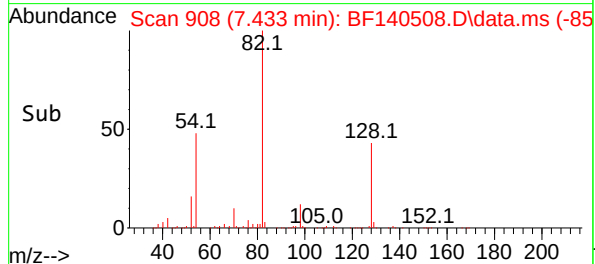
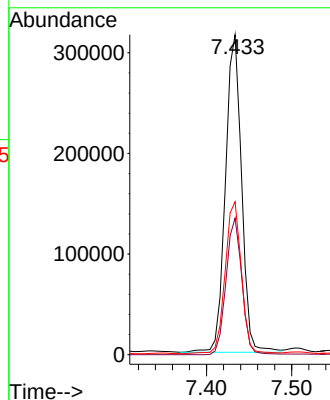
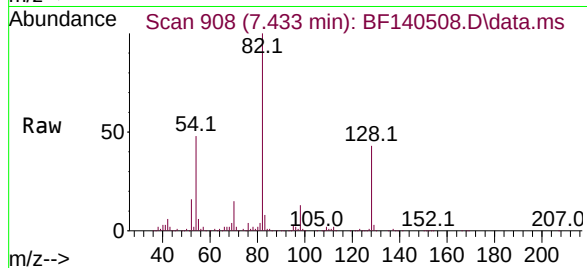
Tgt Ion: 82 Resp: 415268

Ion Ratio Lower Upper

82 100

128 42.7 33.3 49.9

54 47.8 39.8 59.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.904 min Scan# 1328

Delta R.T. -0.012 min

Lab File: BF140508.D

Acq: 20 Nov 2024 19:09

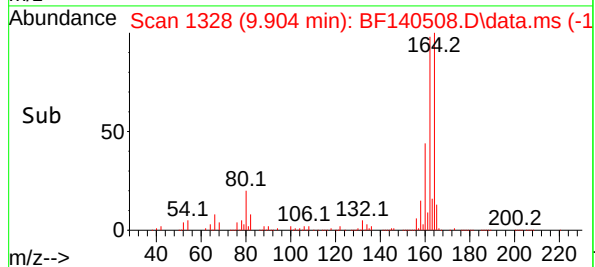
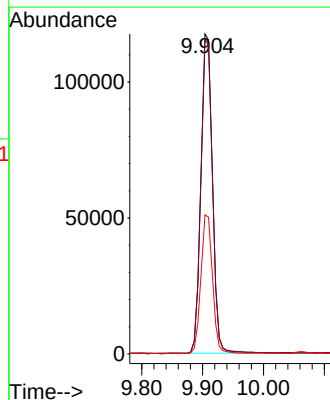
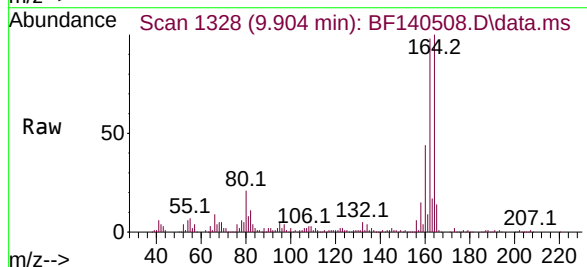
Tgt Ion:164 Resp: 155672

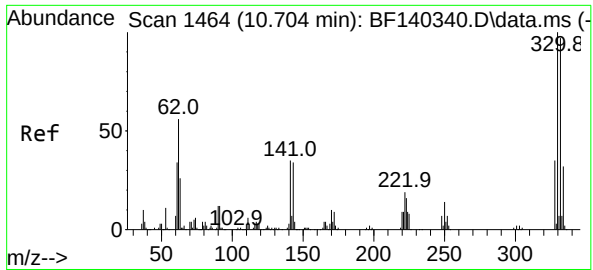
Ion Ratio Lower Upper

164 100

162 98.0 79.8 119.8

160 43.5 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 82.044 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF140508.D

Acq: 20 Nov 2024 19:09

Instrument :

BNA_F

ClientSampleId :

B-5

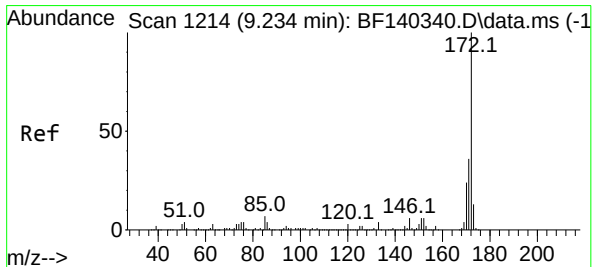
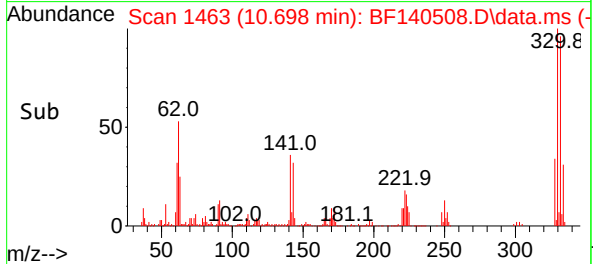
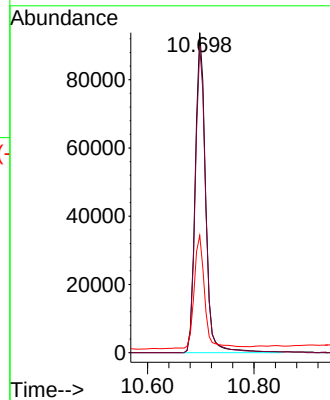
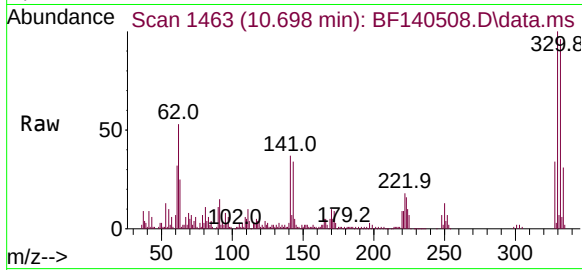
Tgt Ion:330 Resp: 127007

Ion Ratio Lower Upper

330 100

332 96.3 75.9 113.9

141 36.7 26.9 40.3



#45

2-Fluorobiphenyl

Concen: 72.306 ng

RT: 9.227 min Scan# 1213

Delta R.T. -0.006 min

Lab File: BF140508.D

Acq: 20 Nov 2024 19:09

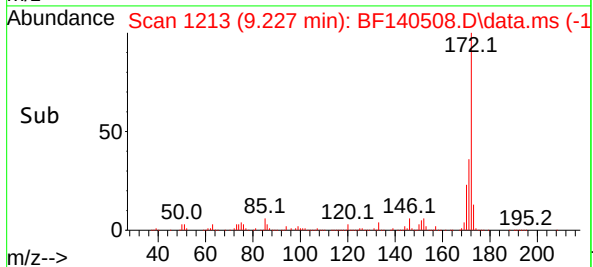
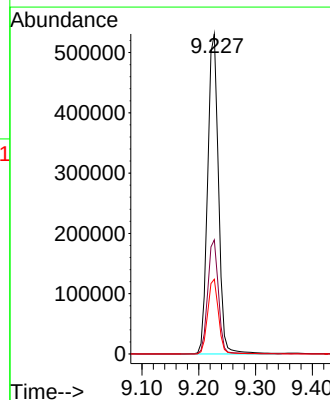
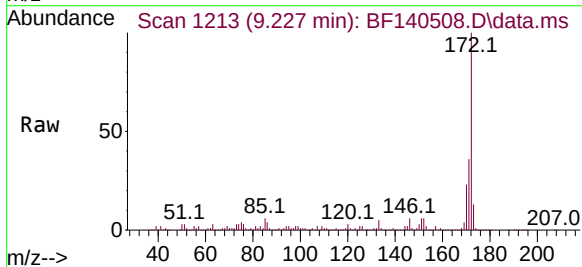
Tgt Ion:172 Resp: 700202

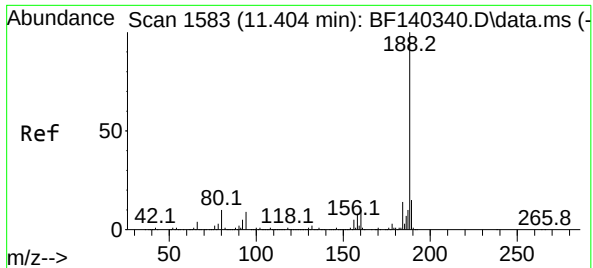
Ion Ratio Lower Upper

172 100

171 35.7 28.5 42.7

170 23.4 19.1 28.7

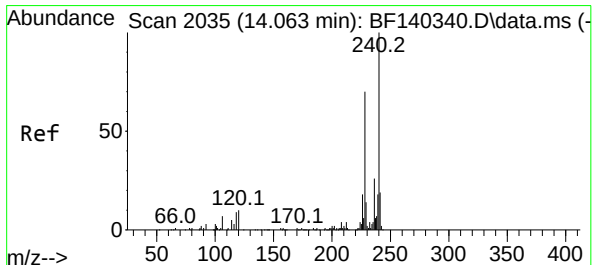
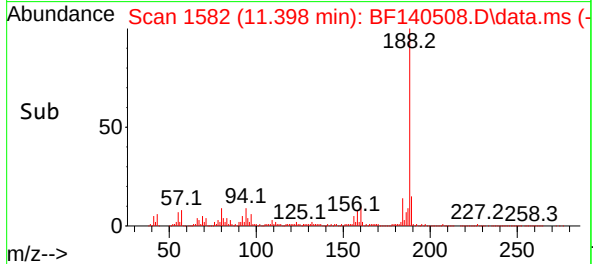
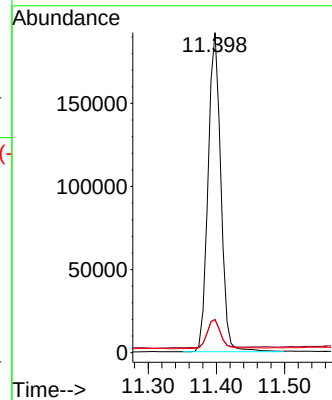
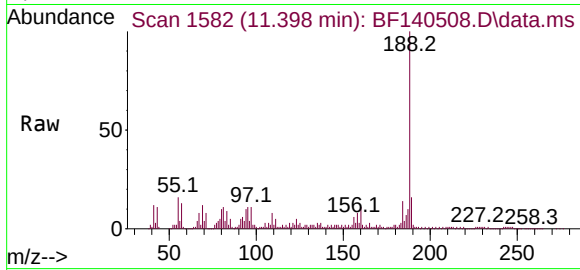




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF140508.D
Acq: 20 Nov 2024 19:09

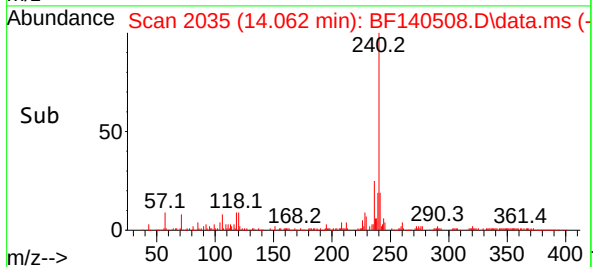
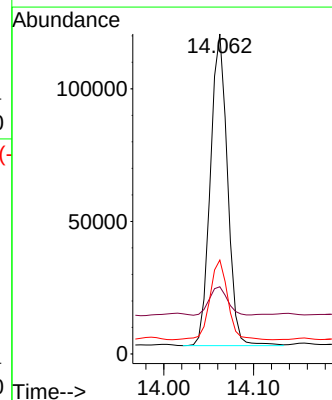
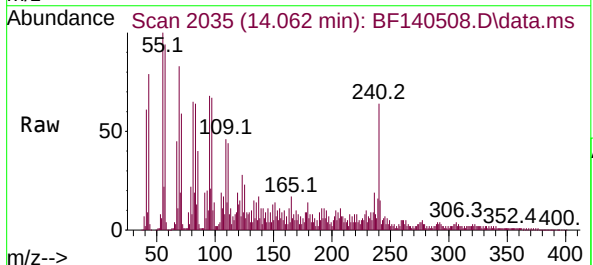
Instrument :
BNA_F
ClientSampleId :
B-5

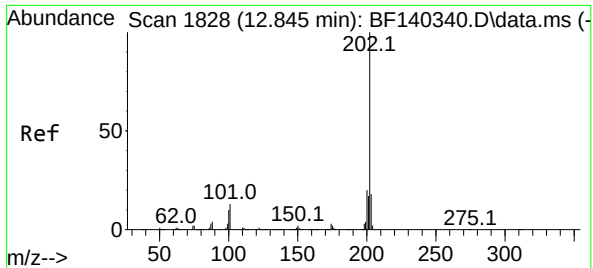
Tgt Ion:188 Resp: 250354
Ion Ratio Lower Upper
188 100
94 10.4 7.6 11.4
80 10.3 8.0 12.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.062 min Scan# 2035
Delta R.T. 0.012 min
Lab File: BF140508.D
Acq: 20 Nov 2024 19:09

Tgt Ion:240 Resp: 155764
Ion Ratio Lower Upper
240 100
120 21.0 8.8 13.2#
236 29.4 20.9 31.3

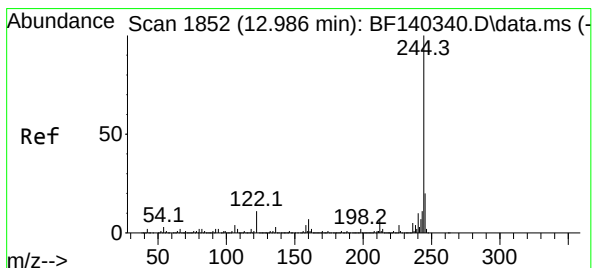
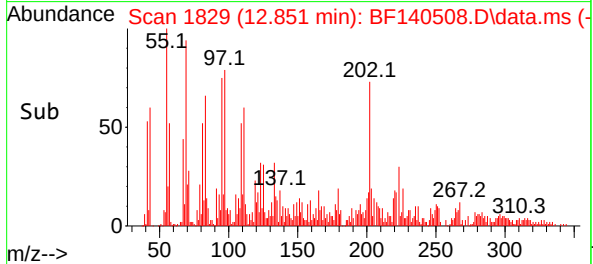
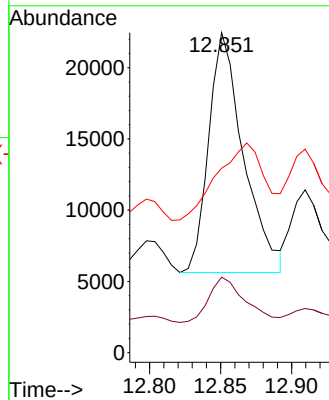
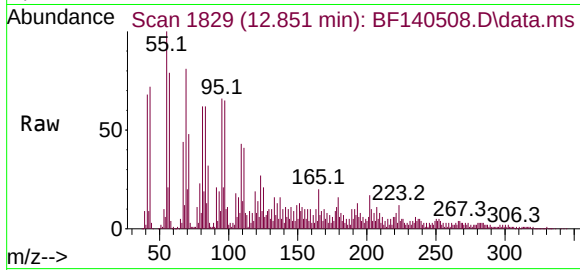




#78
Pyrene
Concen: 2.149 ng
RT: 12.851 min Scan# 1828
Delta R.T. 0.006 min
Lab File: BF140508.D
Acq: 20 Nov 2024 19:09

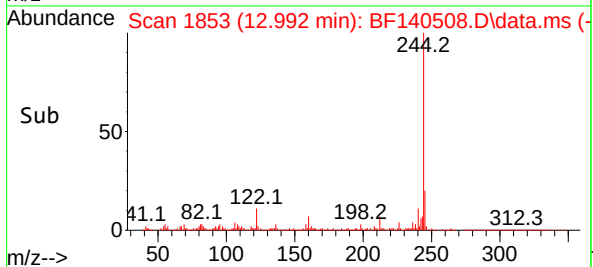
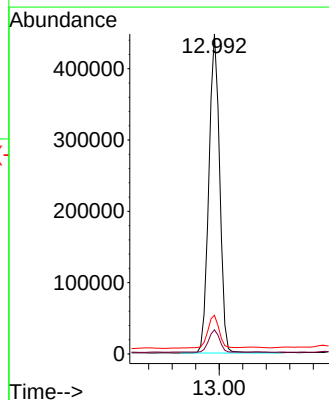
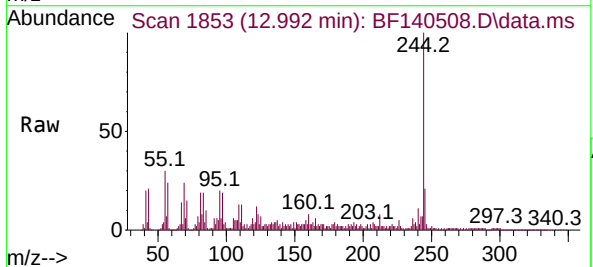
Instrument :
BNA_F
ClientSampleId :
B-5

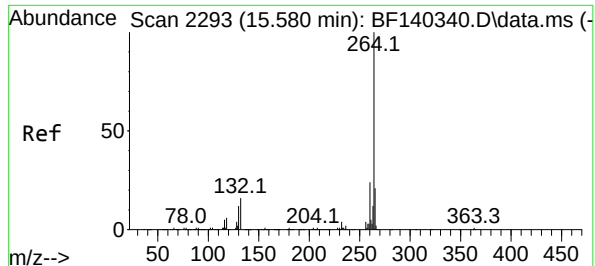
Tgt Ion:202 Resp: 28638
Ion Ratio Lower Upper
202 100
200 23.6 16.2 24.2
203 57.7 14.2 21.4#



#79
Terphenyl-d14
Concen: 63.664 ng
RT: 12.992 min Scan# 1853
Delta R.T. 0.006 min
Lab File: BF140508.D
Acq: 20 Nov 2024 19:09

Tgt Ion:244 Resp: 571296
Ion Ratio Lower Upper
244 100
212 7.5 5.8 8.8
122 12.1 8.8 13.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.568 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF140508.D

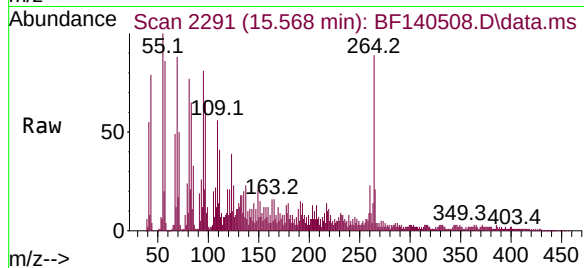
Acq: 20 Nov 2024 19:09

Instrument :

BNA_F

ClientSampleId :

B-5



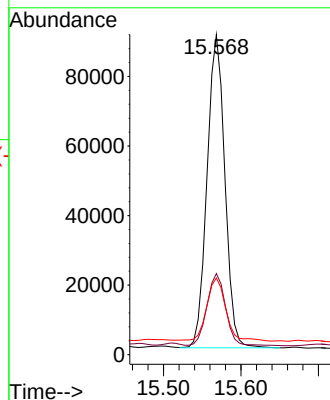
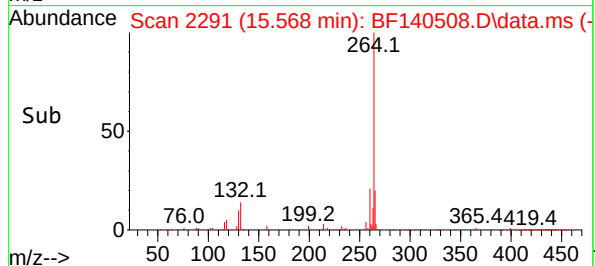
Tgt Ion:264 Resp: 143752

Ion Ratio Lower Upper

264 100

260 25.3 19.2 28.8

265 24.0 17.1 25.7



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140508.D
Acq On : 20 Nov 2024 19:09
Operator : RC/JU
Sample : P4768-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-5

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

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

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF140508.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.140	3	8	21	rVB	1233786	1959059	98.14%	9.026%
2	2.251	21	27	36	rVB	36756	58828	2.95%	0.271%
3	4.545	409	417	426	rVB3	27256	48246	2.42%	0.222%
4	5.092	504	510	515	rBV	151921	218061	10.92%	1.005%
5	5.298	537	545	548	rBV	43999	68669	3.44%	0.316%
6	5.504	574	580	588	rBV	1385173	1844113	92.38%	8.496%
7	5.651	600	605	610	rVB4	48632	91999	4.61%	0.424%
8	5.739	615	620	626	rBV5	22603	49098	2.46%	0.226%
9	5.804	626	631	635	rVB	69380	90704	4.54%	0.418%
10	5.886	640	645	651	rVB4	94565	150425	7.54%	0.693%
11	6.081	673	678	683	rBV6	40116	99533	4.99%	0.459%
12	6.145	685	689	692	rVV3	42449	63622	3.19%	0.293%
13	6.310	712	717	720	rBV4	54051	91263	4.57%	0.420%
14	6.351	720	724	729	rVB5	45518	67713	3.39%	0.312%
15	6.410	729	734	742	rBV2	289522	457443	22.92%	2.108%
16	6.510	744	751	755	rBV	1407613	1996196	100.00%	9.197%
17	6.545	755	757	760	rVV2	110689	127507	6.39%	0.587%
18	6.575	760	762	766	rVV2	55921	60725	3.04%	0.280%
19	6.622	766	770	772	rVV2	72488	93630	4.69%	0.431%
20	6.651	772	775	781	rVB4	107508	159356	7.98%	0.734%
21	6.710	781	785	786	rBV3	43573	51502	2.58%	0.237%
22	6.786	792	798	801	rBV4	55999	114227	5.72%	0.526%
23	6.833	801	806	809	rVV4	117032	195205	9.78%	0.899%
24	6.875	809	813	820	rVV	500035	692320	34.68%	3.190%
25	6.963	824	828	833	rVV4	90713	160383	8.03%	0.739%
26	7.010	833	836	839	rVB3	49892	61318	3.07%	0.283%
27	7.098	848	851	854	rVV3	51266	54807	2.75%	0.253%
28	7.139	854	858	862	rVB2	201643	265141	13.28%	1.222%
29	7.292	881	884	890	rVB3	113201	170353	8.53%	0.785%
30	7.345	890	893	896	rBV2	53547	69879	3.50%	0.322%
31	7.392	896	901	904	rBV3	180025	308841	15.47%	1.423%
32	7.433	904	908	913	rVV	895640	1201869	60.21%	5.537%
33	7.510	917	921	925	rBV3	177106	245632	12.31%	1.132%
34	7.563	925	930	933	rBV3	78392	140077	7.02%	0.645%
35	7.645	941	944	946	rBV2	89889	107202	5.37%	0.494%
36	7.675	946	949	955	rVB2	200966	259222	12.99%	1.194%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140508.D
Acq On : 20 Nov 2024 19:09
Operator : RC/JU
Sample : P4768-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-5

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	7.745	958	961	965	rVB2	93726	117146	5.87%	0.540%
38	7.792	965	969	972	rBV2	224628	261532	13.10%	1.205%
39	7.969	996	999	1004	rBV4	67754	96551	4.84%	0.445%
40	8.022	1005	1008	1011	rBV3	123522	172768	8.65%	0.796%
41	8.151	1026	1030	1036	rVV	551402	721215	36.13%	3.323%
42	8.204	1036	1039	1042	rVV	195671	220830	11.06%	1.017%
43	8.239	1042	1045	1052	rVB5	126515	199349	9.99%	0.918%
44	8.357	1061	1065	1072	rVB3	217284	363241	18.20%	1.674%
45	8.439	1073	1079	1085	rBV6	165121	400079	20.04%	1.843%
46	8.492	1085	1088	1091	rBV3	86763	105690	5.29%	0.487%
47	8.563	1098	1100	1102	rBV2	51903	59800	3.00%	0.276%
48	8.592	1102	1105	1112	rVB3	188845	355673	17.82%	1.639%
49	8.657	1113	1116	1118	rBV	75768	81161	4.07%	0.374%
50	8.692	1118	1122	1127	rBV2	149496	241629	12.10%	1.113%
51	8.833	1143	1146	1150	rVB2	199683	270717	13.56%	1.247%
52	9.022	1175	1178	1182	rBV4	84614	120151	6.02%	0.554%
53	9.227	1208	1213	1218	rBV	1483725	1924382	96.40%	8.866%
54	9.304	1223	1226	1230	rVB2	91271	124873	6.26%	0.575%
55	9.616	1276	1279	1283	rVB4	44208	59326	2.97%	0.273%
56	9.904	1324	1328	1333	rVB	484631	630925	31.61%	2.907%
57	10.310	1394	1397	1402	rBV2	55187	67624	3.39%	0.312%
58	10.616	1445	1449	1456	rBV	276527	383034	19.19%	1.765%
59	10.698	1458	1463	1473	rBV	717133	1018408	51.02%	4.692%
60	11.398	1578	1582	1587	rBV	511348	728158	36.48%	3.355%
61	12.992	1850	1853	1859	rBV	905248	1086059	54.41%	5.004%

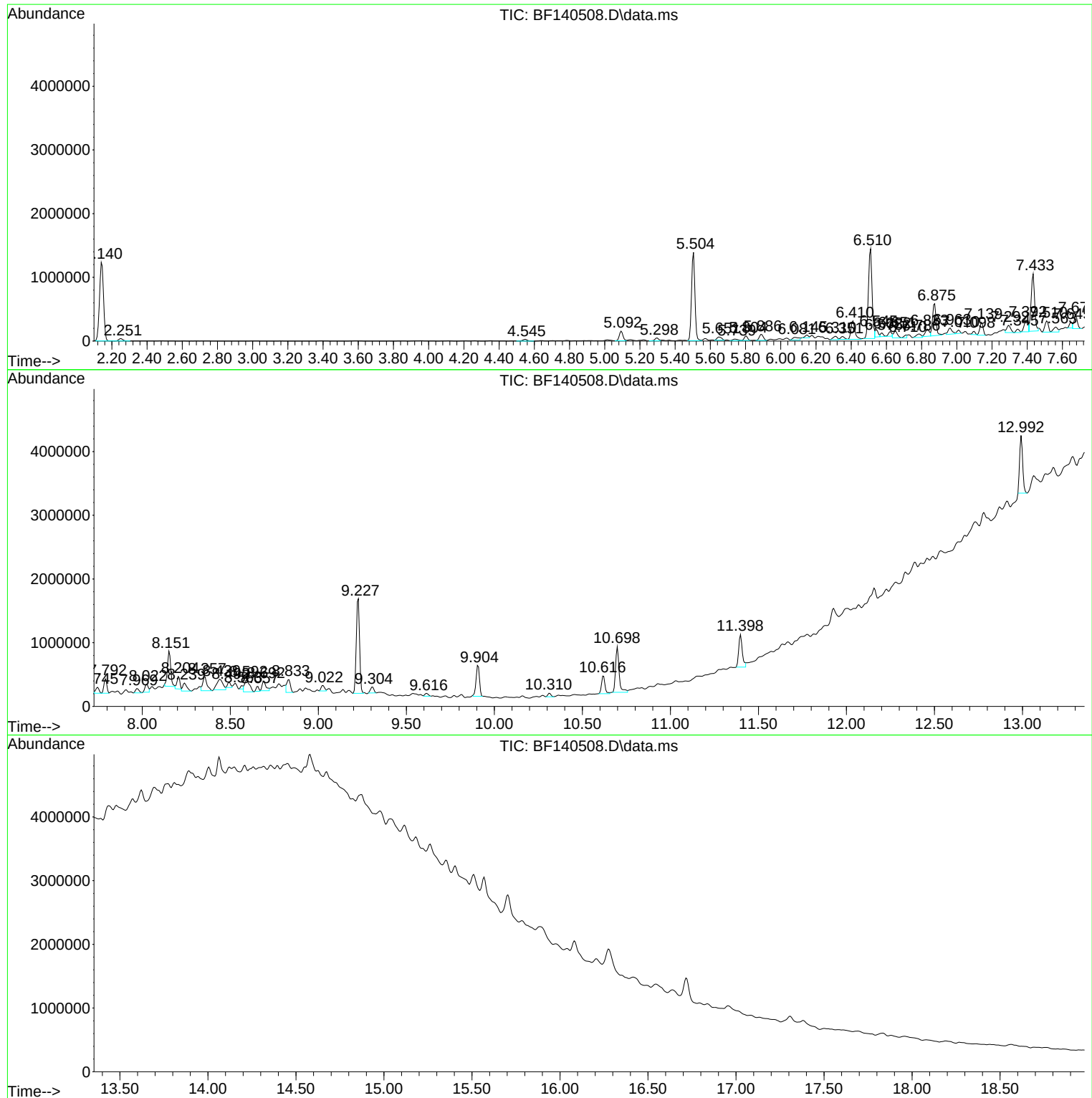
Sum of corrected areas: 21704489

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140508.D
Acq On : 20 Nov 2024 19:09
Operator : RC/JU
Sample : P4768-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-5

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140508.D
Acq On : 20 Nov 2024 19:09
Operator : RC/JU
Sample : P4768-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-5

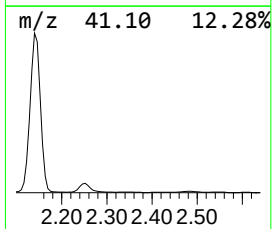
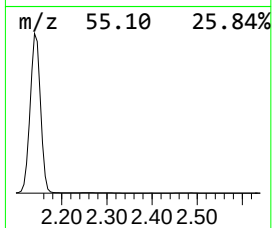
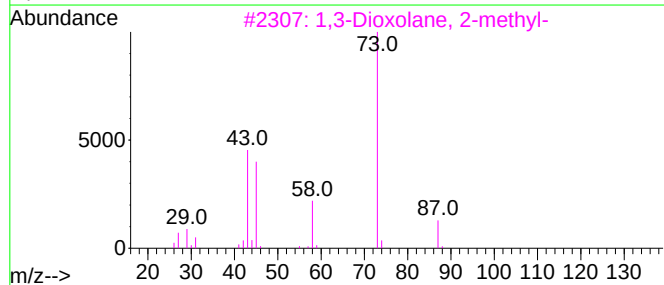
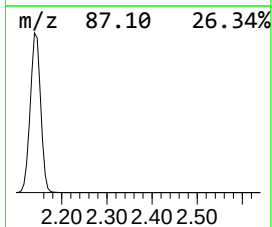
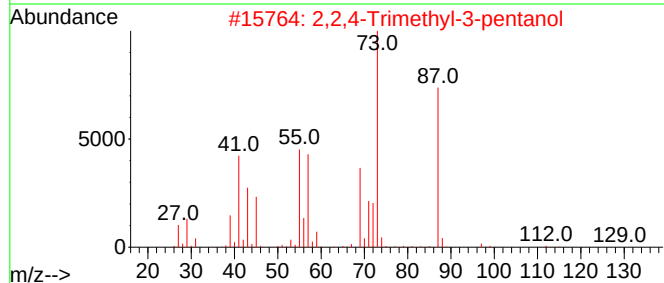
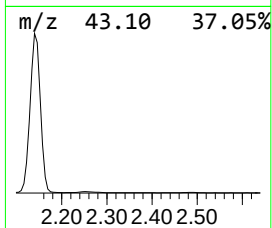
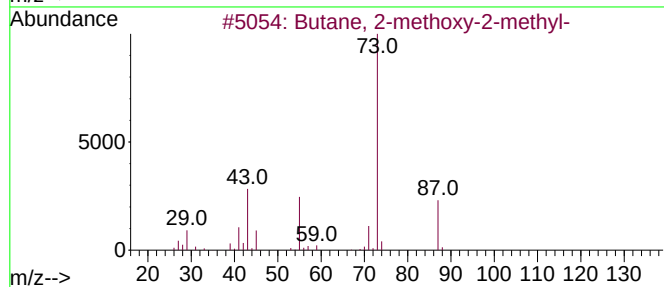
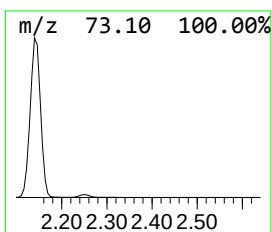
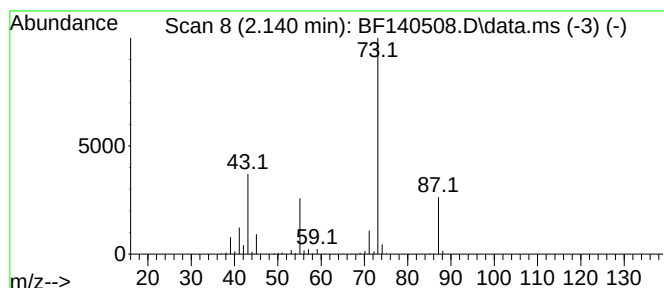
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.140	56.59 ng	1959060	1,4-Dichlorobenzene-d4	6.875

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3			1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
4			Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	22
5			Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140508.D
Acq On : 20 Nov 2024 19:09
Operator : RC/JU
Sample : P4768-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

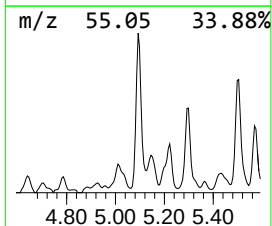
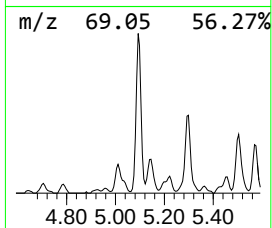
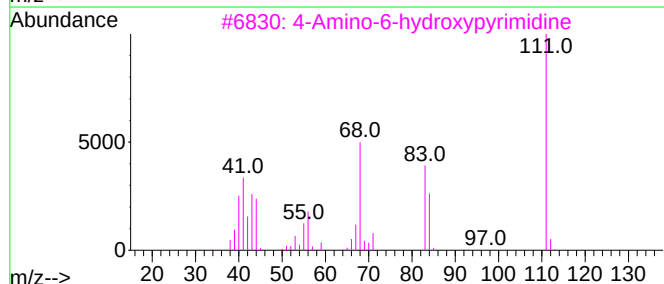
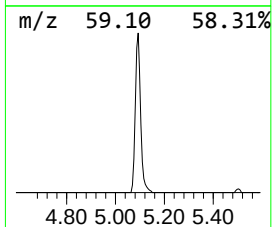
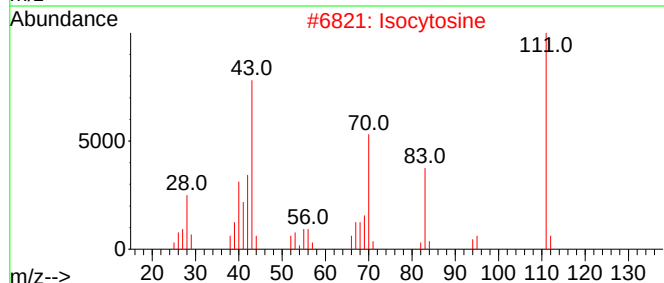
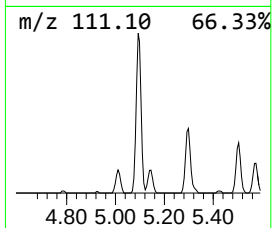
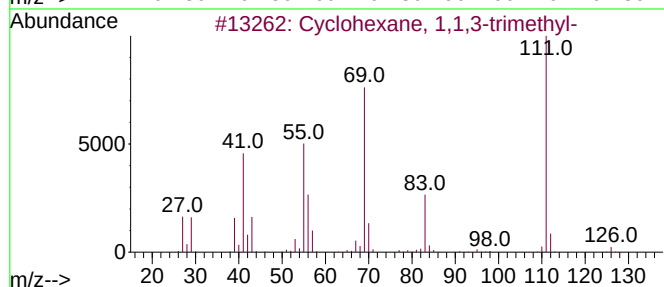
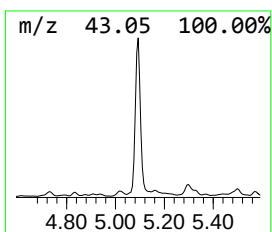
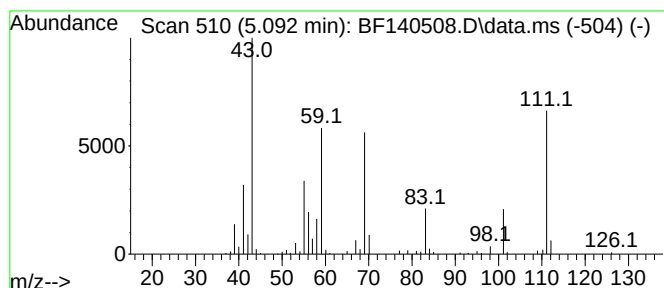
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ClientSampleId :
B-5

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Cyclohexane, 1,1,3-trimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.	
5.092	6.30 ng	218061	1,4-Dichlorobenzene-d4	6.875	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	50
2	Isocytosine	111	C4H5N3O	000108-53-2	35
3	4-Amino-6-hydroxypyrimidine	111	C4H5N3O	001193-22-2	27
4	2-Pentanone, 5-(2-propynyloxy)-	140	C8H12O2	055702-70-0	27
5	Cyclooctane, (1-methylpropyl)-	168	C12H24	016538-89-9	22



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140508.D
Acq On : 20 Nov 2024 19:09
Operator : RC/JU
Sample : P4768-05
Misc :
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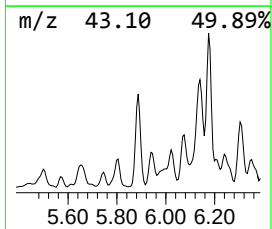
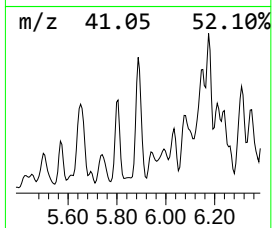
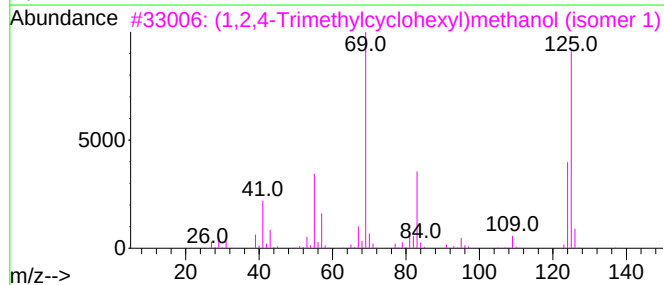
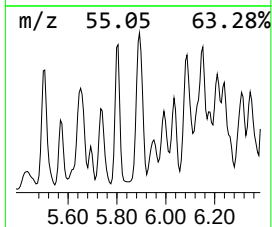
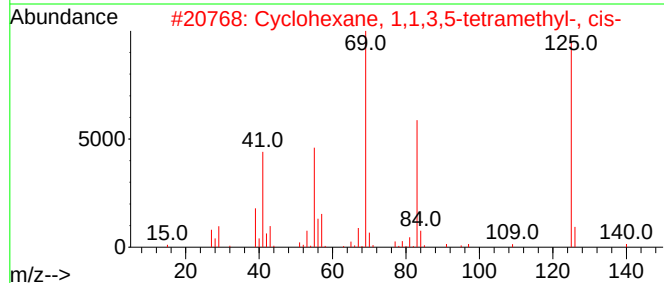
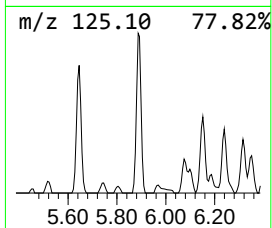
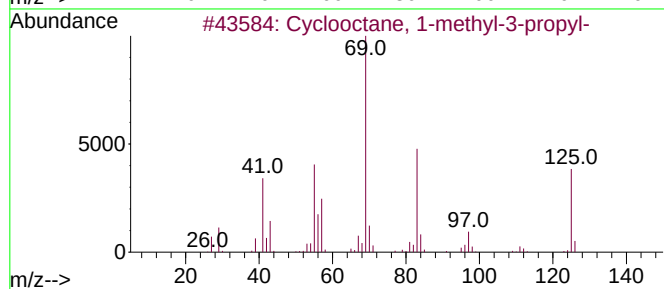
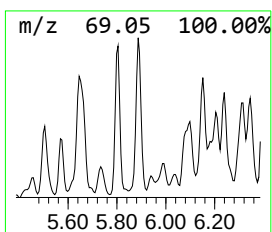
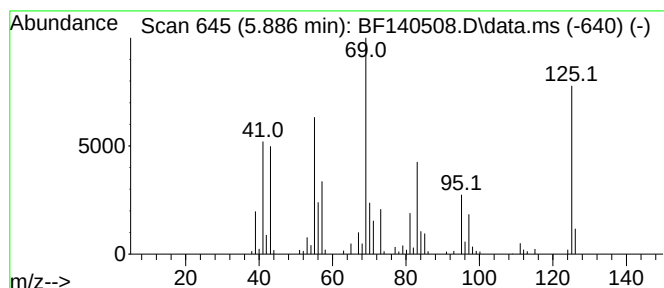
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Cyclooctane, 1-methyl-3-pro... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.	
5.886	4.35 ng	150425	1,4-Dichlorobenzene-d4	6.875	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclooctane, 1-methyl-3-propyl-	168	C12H24	255885-37-1	64
2	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	53
3	(1,2,4-Trimethylcyclohexyl)metha...	156	C10H20O	1000499-03-8	45
4	Cyclohexane, 1,3,5-trimethyl-2-o...	378	C27H54	055282-34-3	43
5	2,2-Dimethyl-3-heptene trans	126	C9H18	019550-75-5	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140508.D
Acq On : 20 Nov 2024 19:09
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Sample : P4768-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-5

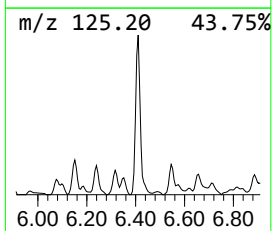
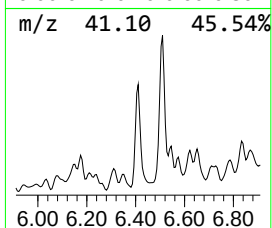
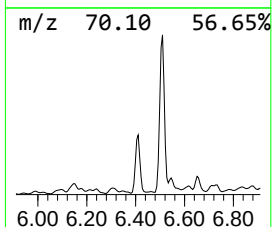
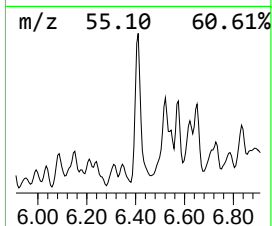
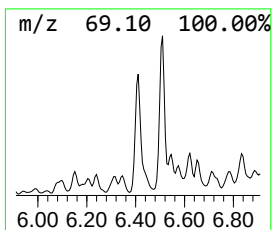
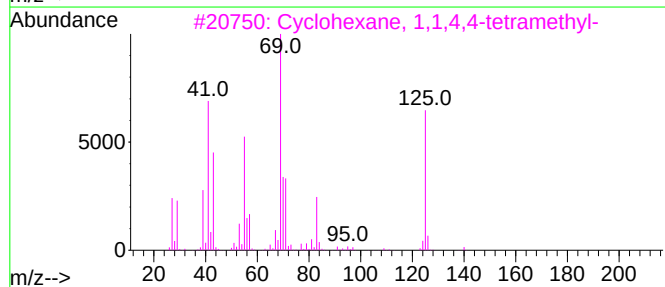
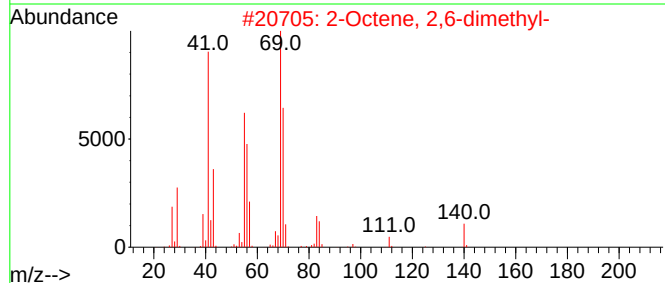
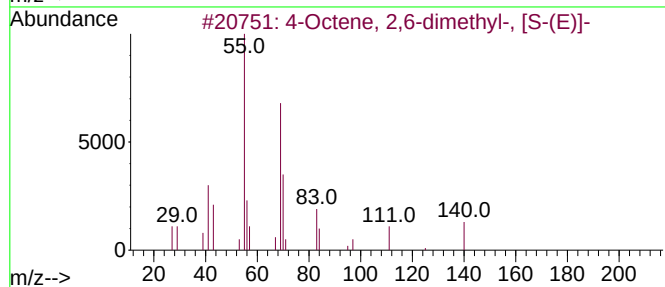
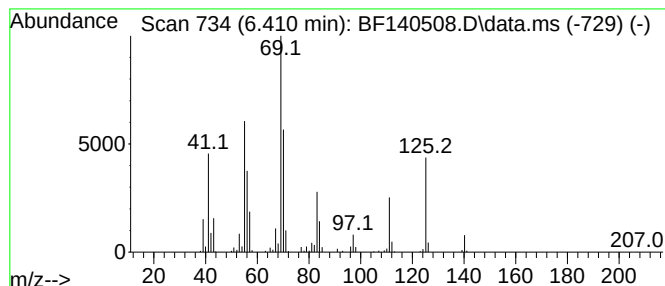
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 4-Octene, 2,6-dimethyl-, [S... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.410	13.21 ng	457443	1,4-Dichlorobenzene-d4	6.875

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		4-Octene, 2,6-dimethyl-, [S-(E)]-	140	C10H20	062960-76-3	58
2		2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	58
3		Cyclohexane, 1,1,4,4-tetramethyl-	140	C10H20	002223-52-1	53
4		Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	45
5		3-Ethyl-4-octene	140	C10H20	019781-32-9	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140508.D
Acq On : 20 Nov 2024 19:09
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Sample : P4768-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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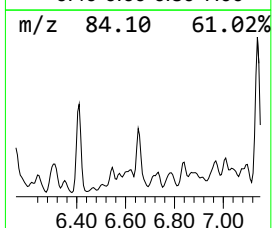
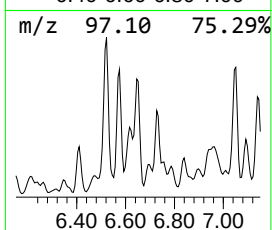
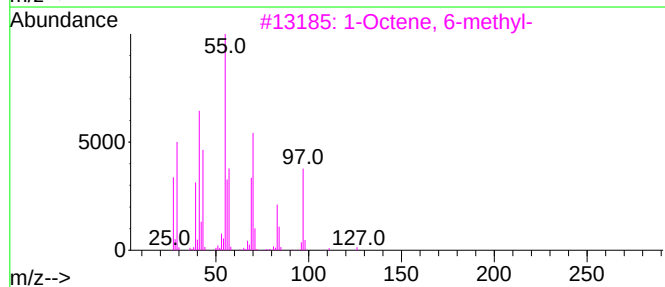
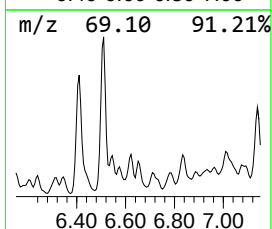
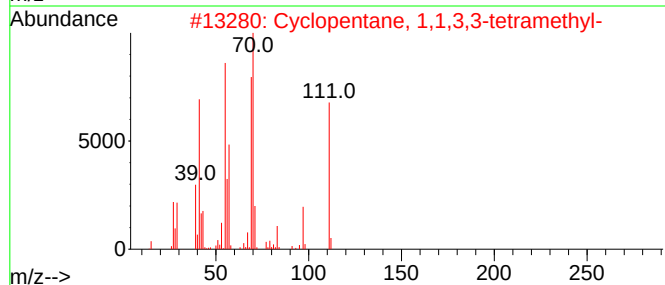
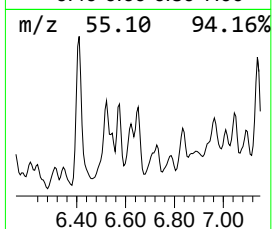
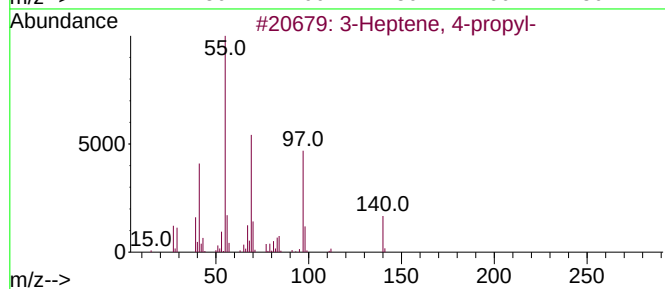
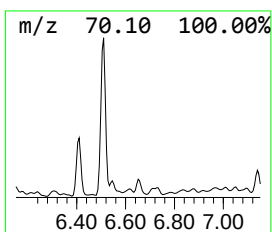
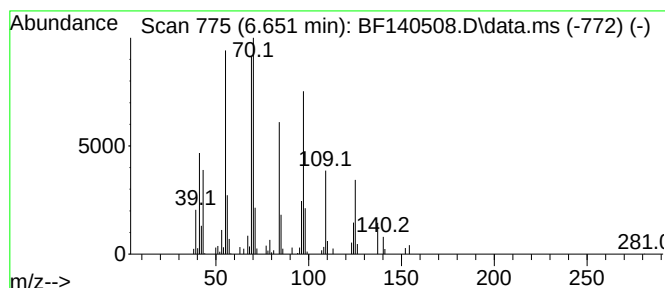
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 unknown6.651 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.651	4.60 ng	159356	1,4-Dichlorobenzene-d4	6.875

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3-Heptene, 4-propyl-	140	C10H20	004485-13-6	38
2			Cyclopentane, 1,1,3,3-tetramethyl-	126	C9H18	050876-33-0	27
3			1-Octene, 6-methyl-	126	C9H18	013151-10-5	25
4			Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	25
5			1-Hexene, 3-methyl-	98	C7H14	003404-61-3	22



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
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Sample : P4768-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

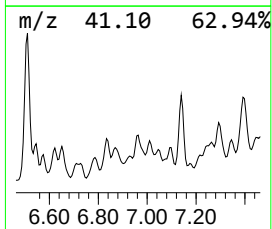
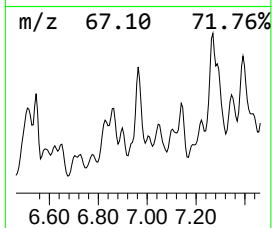
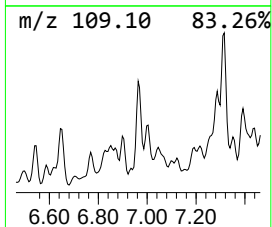
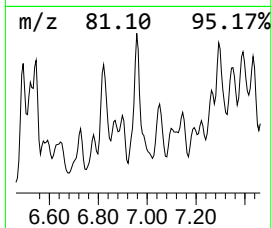
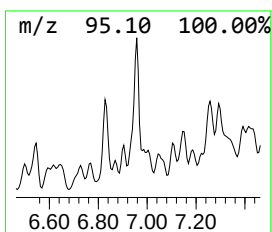
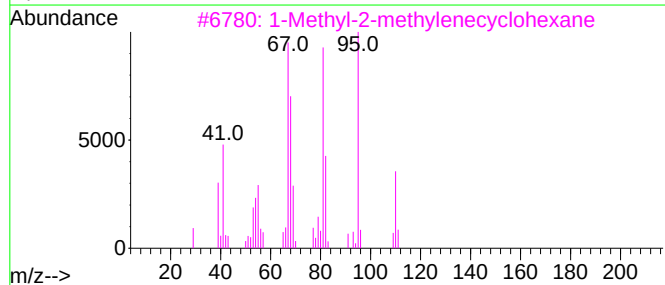
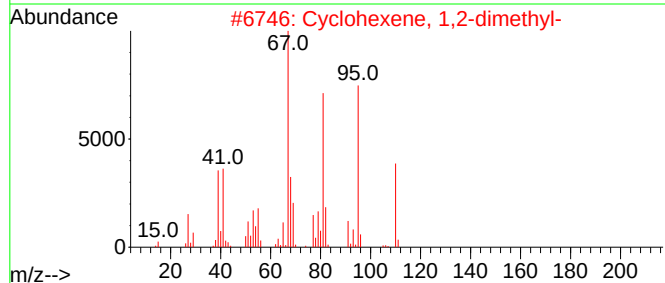
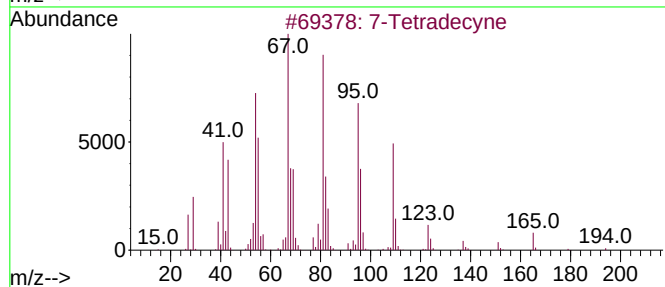
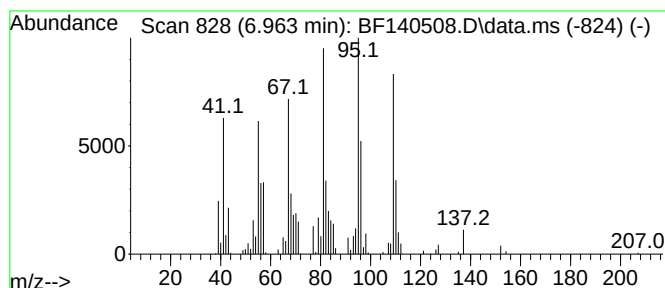
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 7-Tetradecyne Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.	
6.963	4.63 ng	160383	1,4-Dichlorobenzene-d4	6.875	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Tetradecyne	194	C14H26	035216-11-6	72
2	Cyclohexene, 1,2-dimethyl-	110	C8H14	001674-10-8	60
3	1-Methyl-2-methylenecyclohexane	110	C8H14	002808-75-5	49
4	5,5-Dimethyl-1,3-hexadiene	110	C8H14	001515-79-3	38
5	4-Methyl-1,3-heptadiene	110	C8H14	017603-57-5	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140508.D
Acq On : 20 Nov 2024 19:09
Operator : RC/JU
Sample : P4768-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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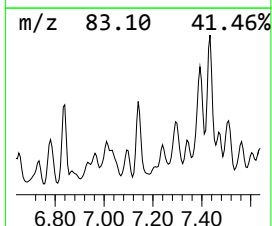
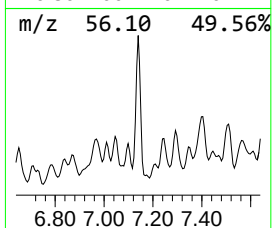
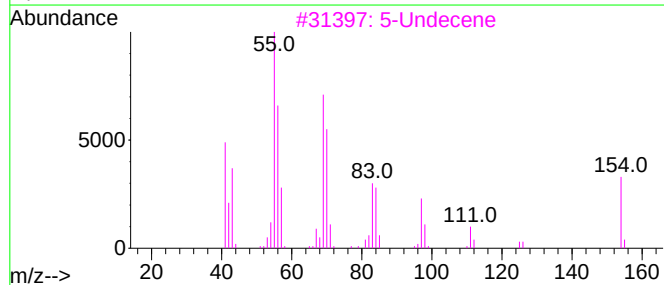
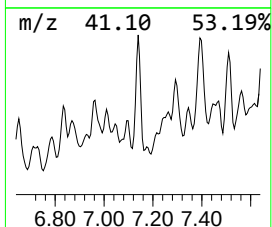
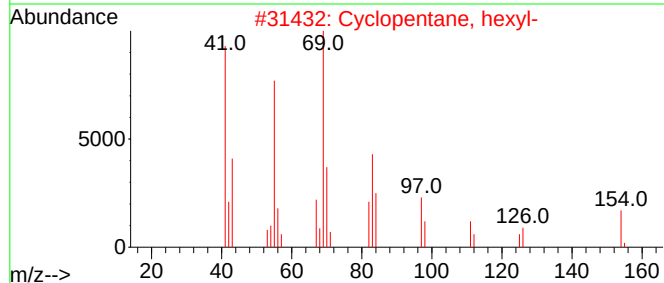
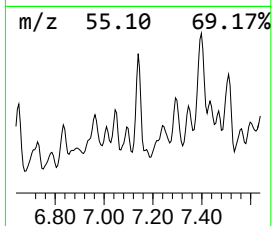
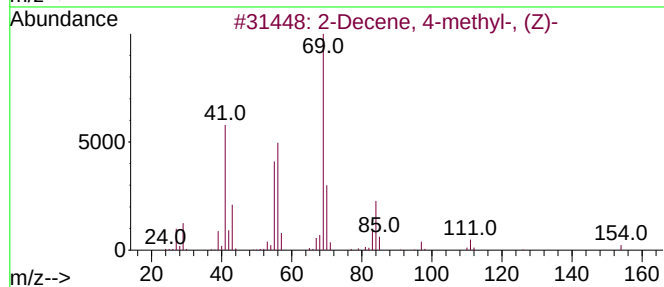
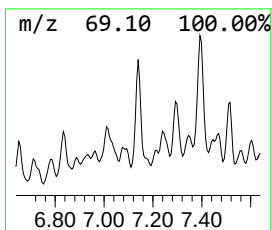
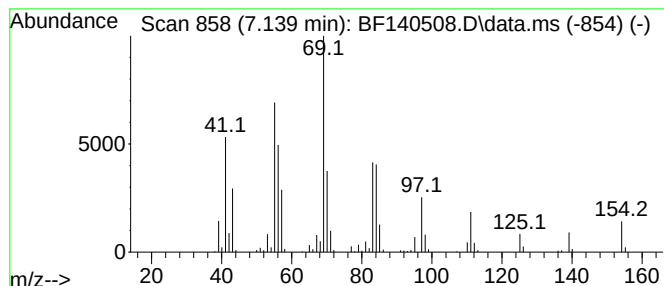
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 2-Decene, 4-methyl-, (Z)- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.139	7.66 ng	265141	1,4-Dichlorobenzene-d4	6.875

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Decene, 4-methyl-, (Z)-	154	C11H22	074630-30-1	72
2			Cyclopentane, hexyl-	154	C11H22	004457-00-5	58
3			5-Undecene	154	C11H22	004941-53-1	58
4			1-Ethyl-2,2,6-trimethylcyclohexane	154	C11H22	071186-27-1	52
5			Cyclopentane, (2-methylbutyl)-	140	C10H20	053366-38-4	46



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140508.D
Acq On : 20 Nov 2024 19:09
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Sample : P4768-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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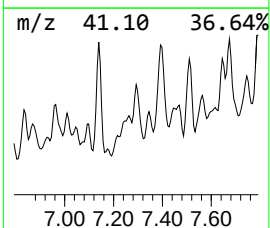
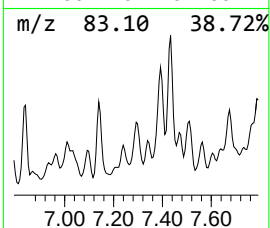
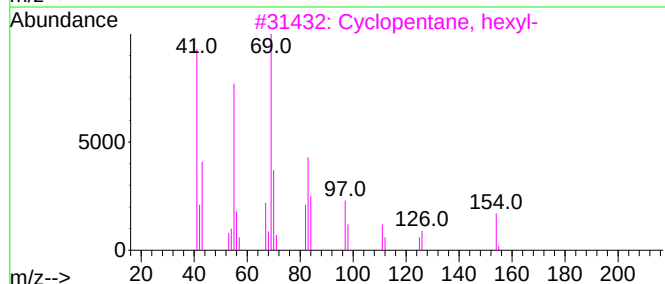
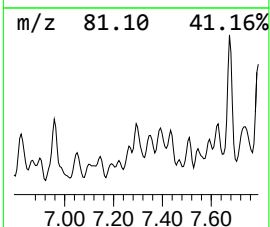
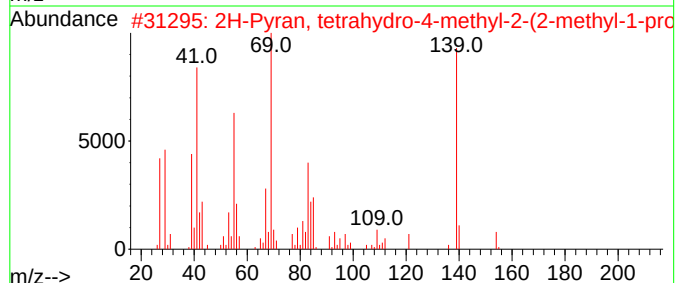
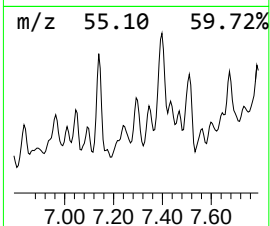
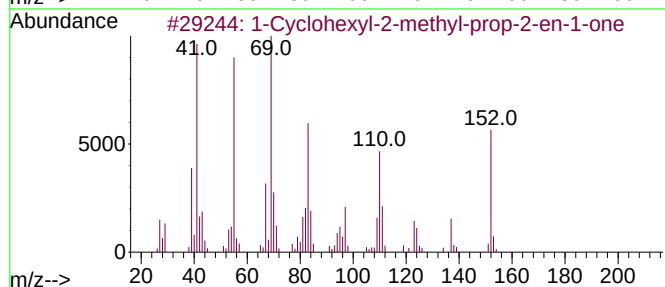
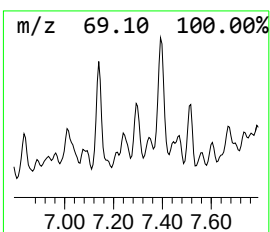
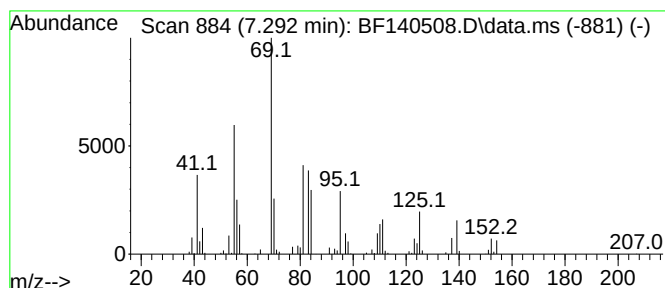
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 1-Cyclohexyl-2-methyl-prop-... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.292	4.92 ng	170353	1,4-Dichlorobenzene-d4	6.875

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Cyclohexyl-2-methyl-prop-2-en-...	152	C10H16O	025183-82-8	53
2			2H-Pyran, tetrahydro-4-methyl-2-...	154	C10H18O	016409-43-1	50
3			Cyclopentane, hexyl-	154	C11H22	004457-00-5	50
4			Citral	152	C10H16O	005392-40-5	43
5			Bicyclo[3.1.1]heptan-3-one, 6,6-...	194	C13H22O	1000163-97-9	43



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Data File : BF140508.D
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Operator : RC/JU
Sample : P4768-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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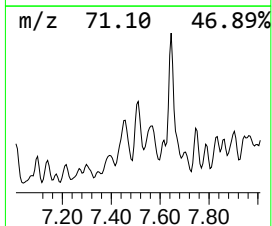
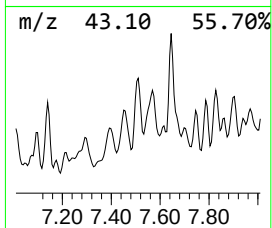
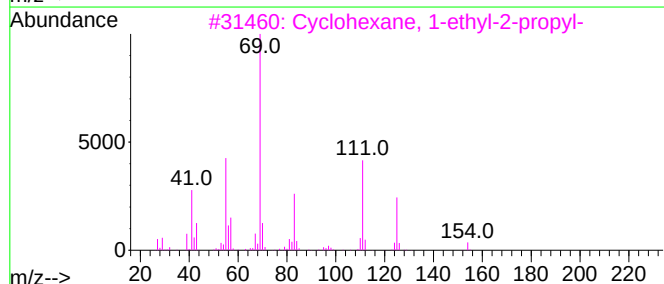
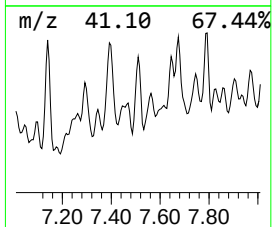
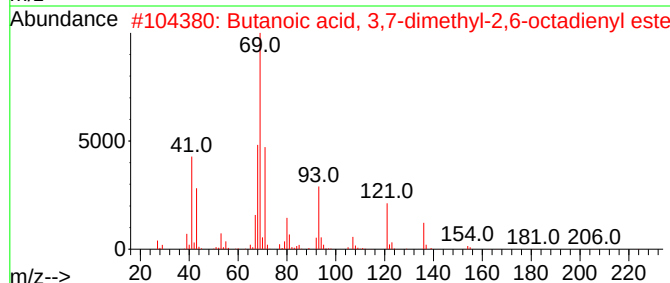
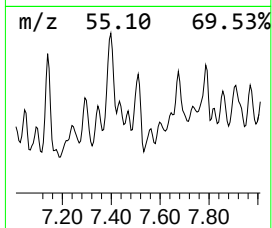
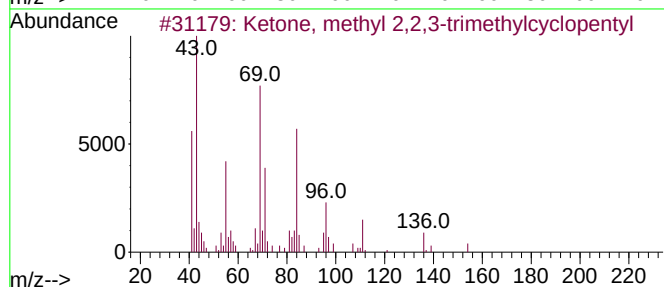
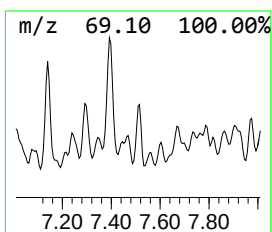
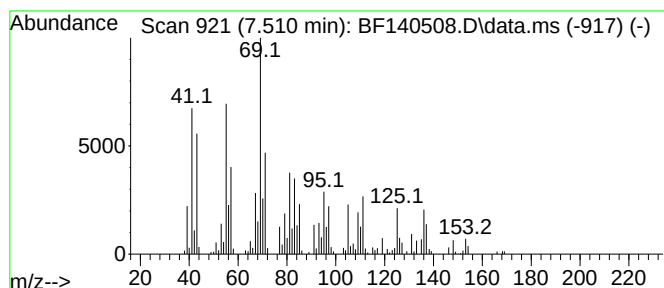
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Ketone, methyl 2,2,3-trimet... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.510	7.10 ng	245632	1,4-Dichlorobenzene-d4	6.875

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Ketone, methyl 2,2,3-trimethylcy...	154	C10H18O	017983-22-1	50
2			Butanoic acid, 3,7-dimethyl-2,6-...	224	C14H24O2	000106-29-6	38
3			Cyclohexane, 1-ethyl-2-propyl-	154	C11H22	062238-33-9	35
4			Cyclopentane, 1,1,3,4-tetramethy...	126	C9H18	020309-77-7	27
5			Geranyl bromide	216	C10H17Br	006138-90-5	22



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140508.D
Acq On : 20 Nov 2024 19:09
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Sample : P4768-05
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ClientSampleId :
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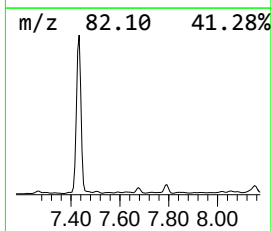
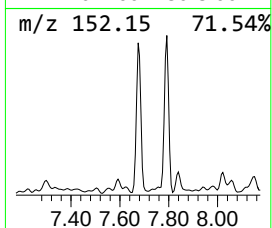
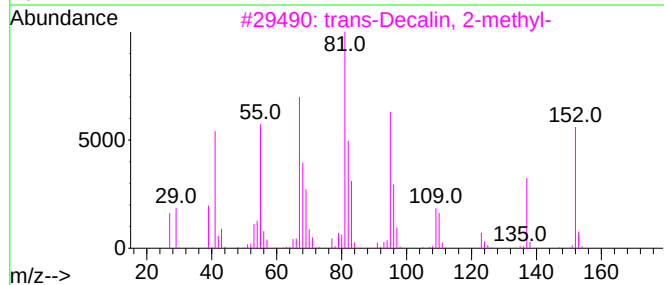
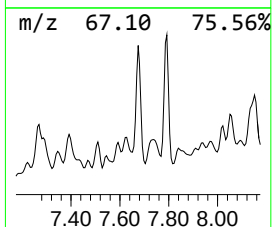
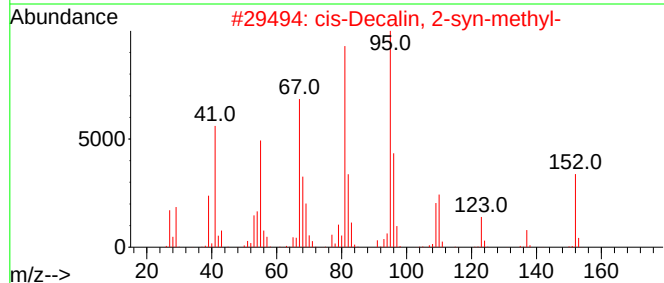
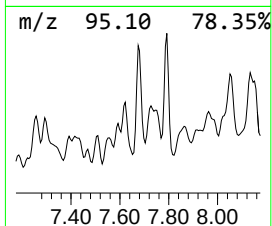
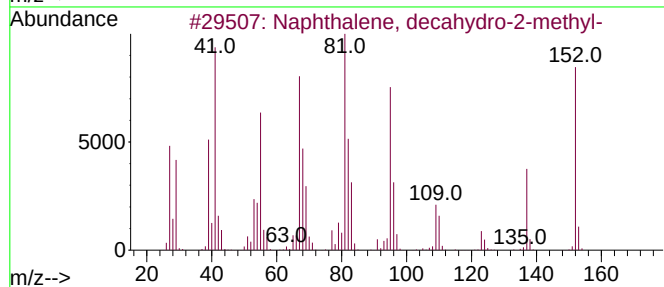
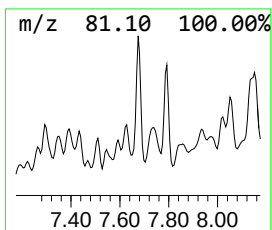
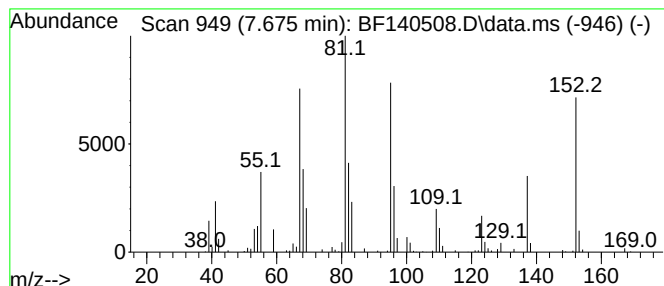
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Naphthalene, decahydro-2-me... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.675	7.19 ng	259222	Naphthalene-d8	8.151

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	95
2		cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	93
3		trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	74
4		Cyclodecene, 1-methyl-	152	C11H20	066633-38-3	72
5		Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140508.D
Acq On : 20 Nov 2024 19:09
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Sample : P4768-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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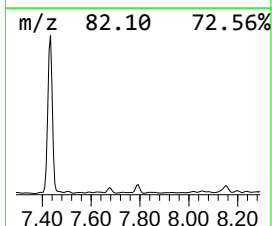
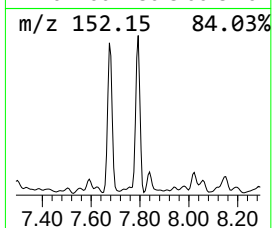
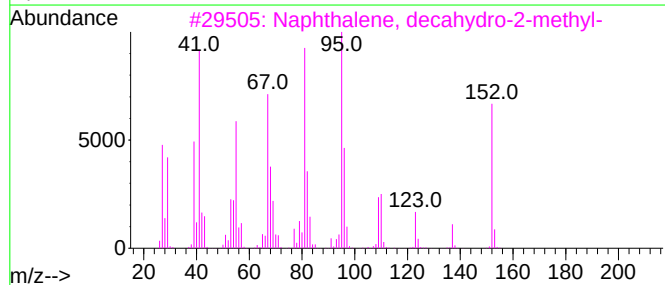
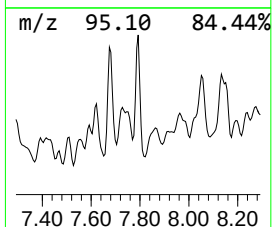
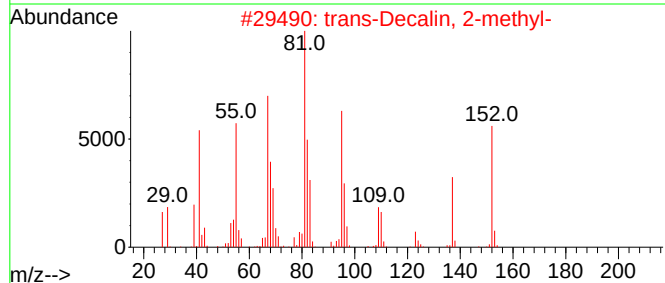
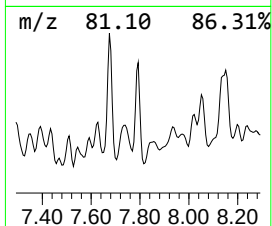
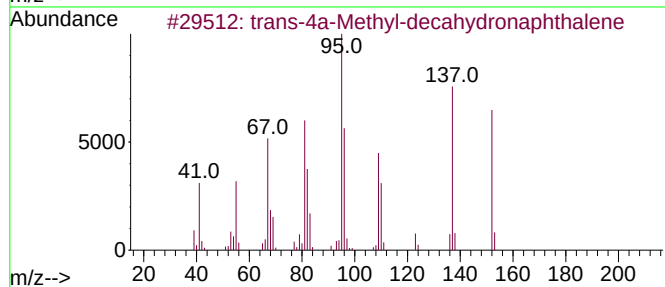
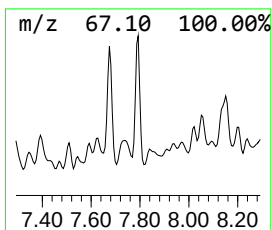
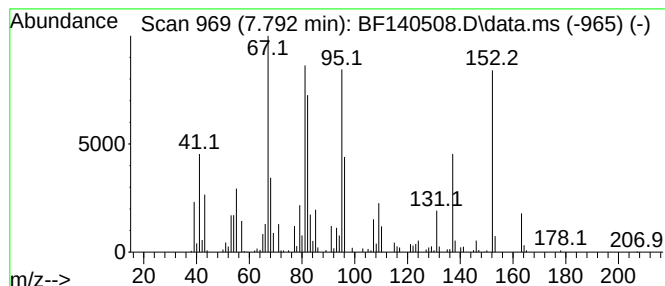
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 trans-4a-Methyl-decahydrona... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.792	7.25 ng	261532	Naphthalene-d8	8.151

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		trans-4a-Methyl-decahydronaphtha...	152	C11H20	002547-27-5	76
2		trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	64
3		Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	62
4		9-Methylbicyclo[3.3.1]nonane	138	C10H18	025107-01-1	55
5		Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	46



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140508.D
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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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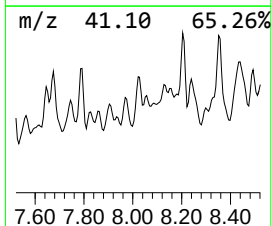
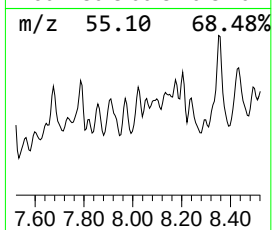
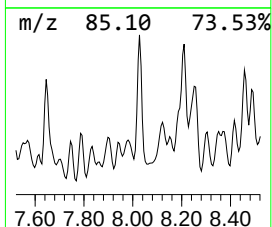
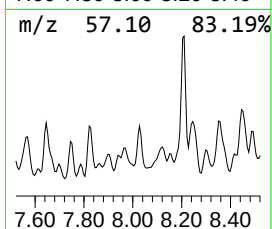
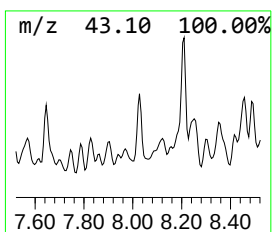
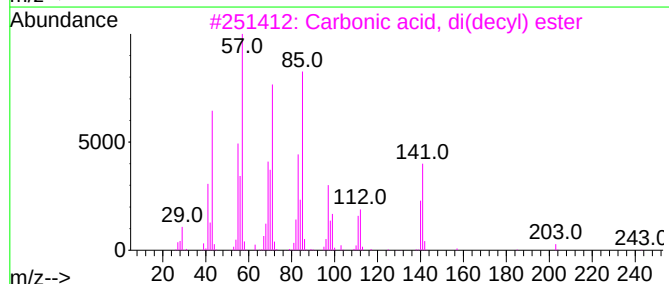
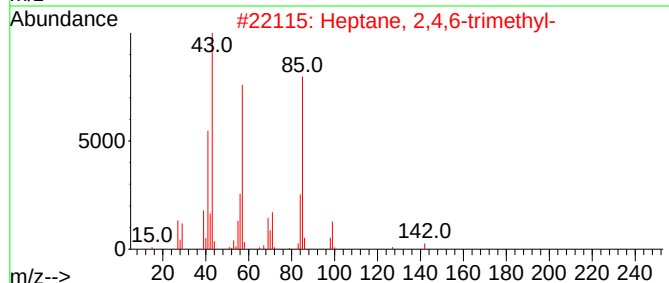
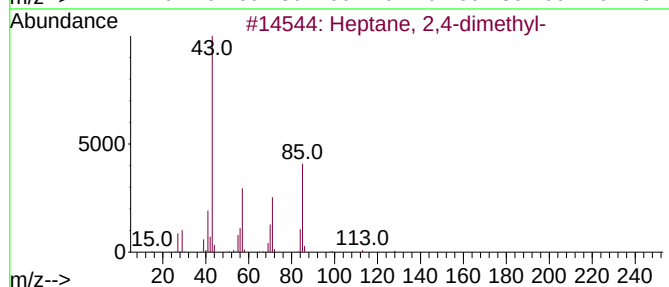
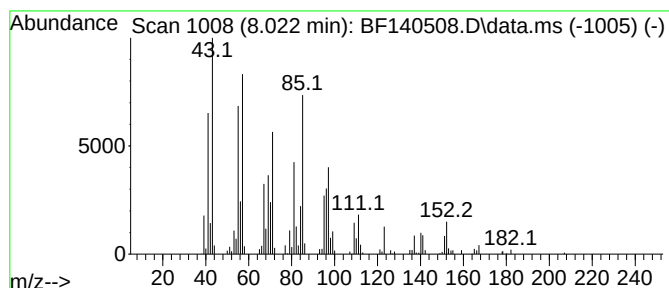
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 unknown8.022 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.022	4.79 ng	172768	Naphthalene-d8	8.151

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	45
2		Heptane, 2,4,6-trimethyl-	142	C10H22	002613-61-8	42
3		Carbonic acid, di(decyl) ester	342	C21H42O3	1000383-15-9	35
4		Oxalic acid, butyl 6-ethyloct-3-...	286	C16H30O4	1000309-34-2	35
5		Decane, 1,1'-oxybis-	298	C20H42O	002456-28-2	25



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140508.D
Acq On : 20 Nov 2024 19:09
Operator : RC/JU
Sample : P4768-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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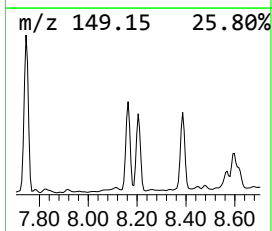
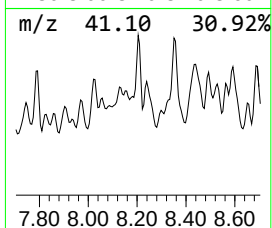
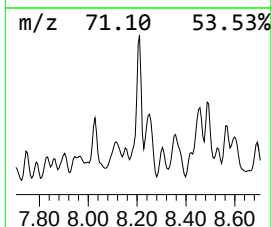
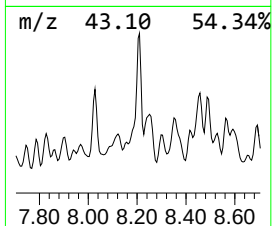
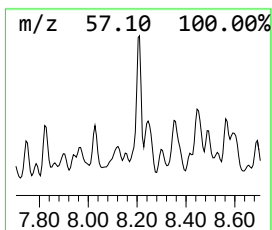
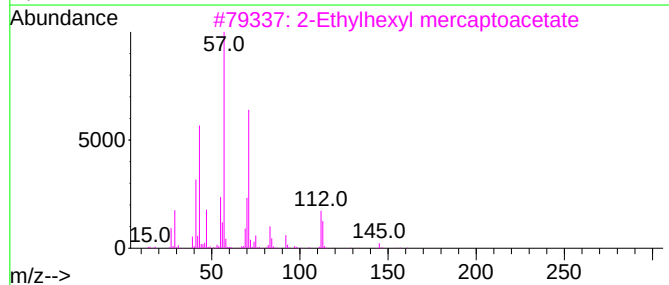
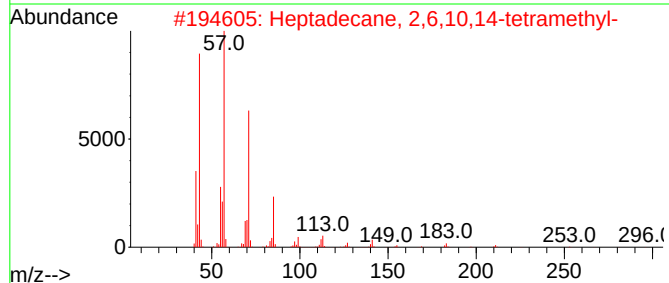
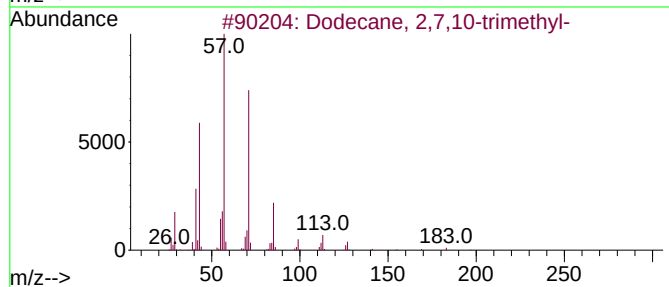
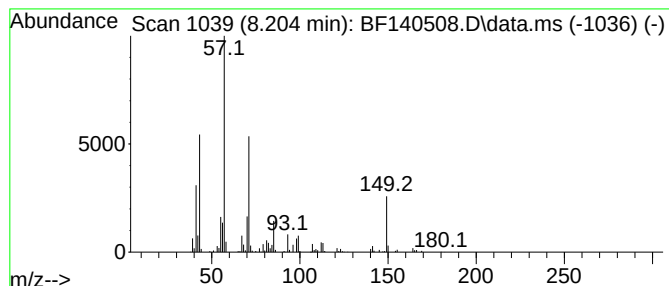
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 Dodecane, 2,7,10-trimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.204	6.12 ng	220830	Naphthalene-d8	8.151

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	50
2			Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	50
3			2-Ethylhexyl mercaptoacetate	204	C10H20O2S	007659-86-1	47
4			Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	43
5			Decane, 2-methyl-	156	C11H24	006975-98-0	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140508.D
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Sample : P4768-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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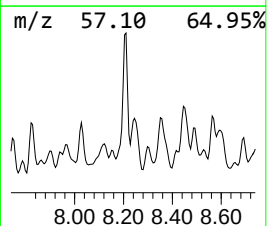
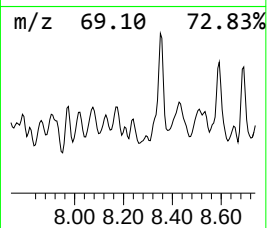
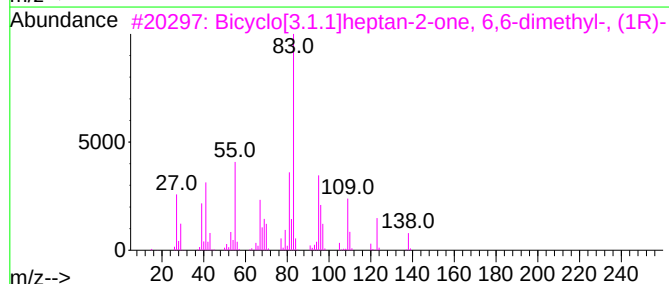
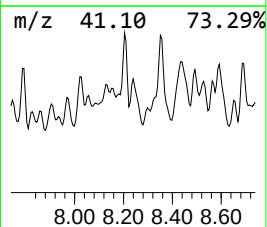
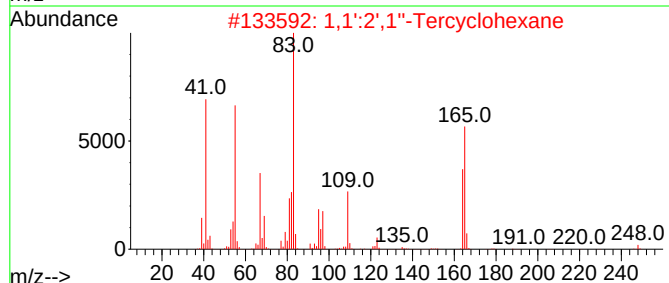
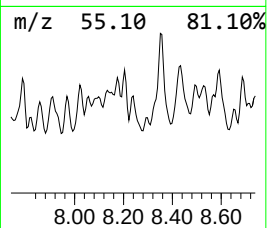
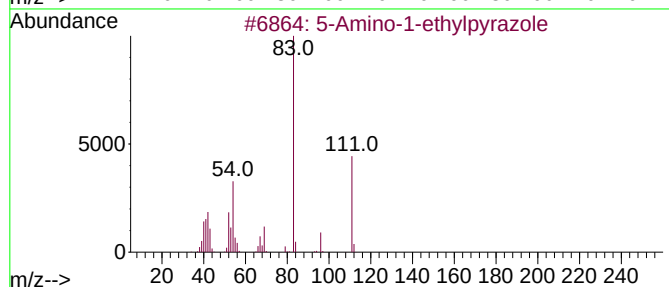
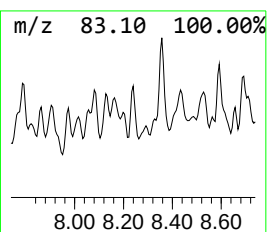
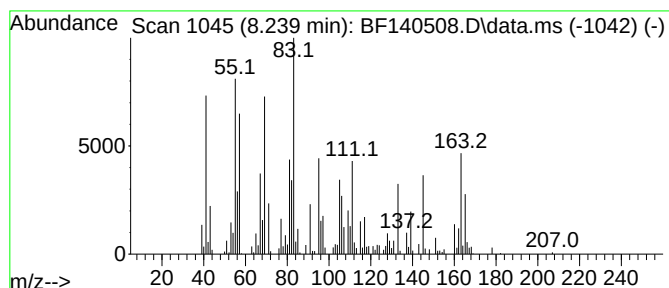
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 unknown8.239 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.239	5.53 ng	199349	Naphthalene-d8	8.151

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			5-Amino-1-ethylpyrazole	111	C5H9N3	003528-58-3	25
2			1,1':2',1''-Tercyclohexane	248	C18H32	002456-43-1	22
3			Bicyclo[3.1.1]heptan-2-one, 6,6-...	138	C9H14O	038651-65-9	22
4			Phosphonic acid, ethyl hexyl ester	194	C8H19O3P	001656-73-1	22
5			Bicyclo[3.1.1]heptan-3-one, 2,6-...	152	C10H16O	015358-88-0	22



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
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Acq On : 20 Nov 2024 19:09
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Misc :
ALS Vial : 9 Sample Multiplier: 1

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ClientSampleId :
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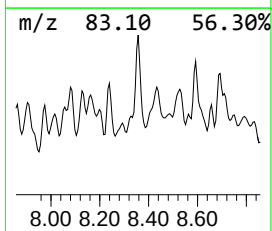
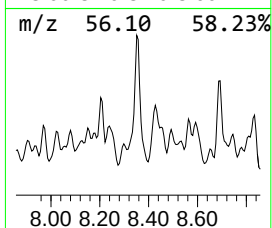
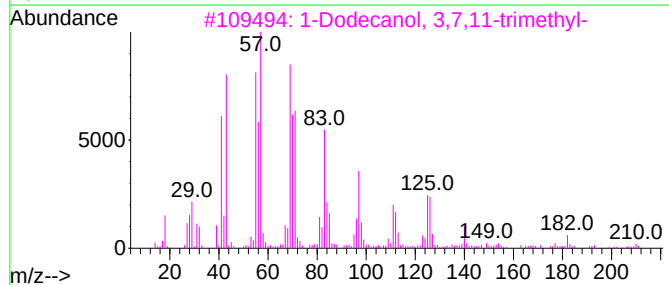
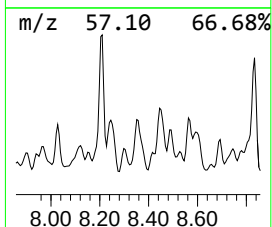
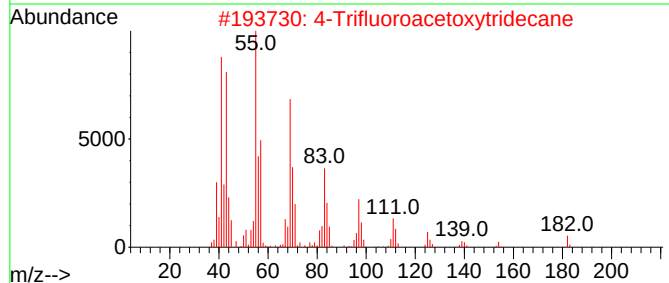
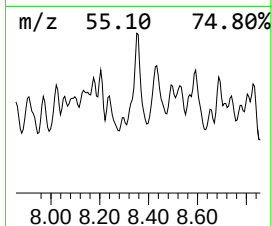
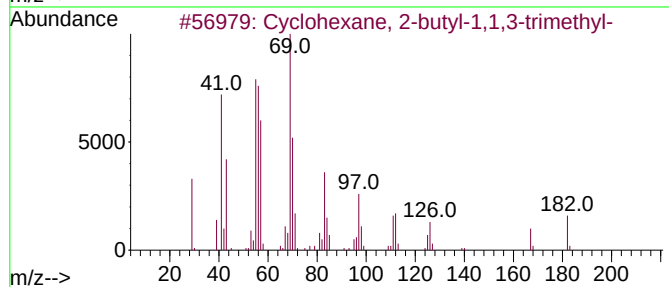
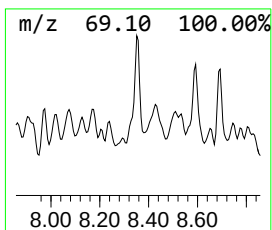
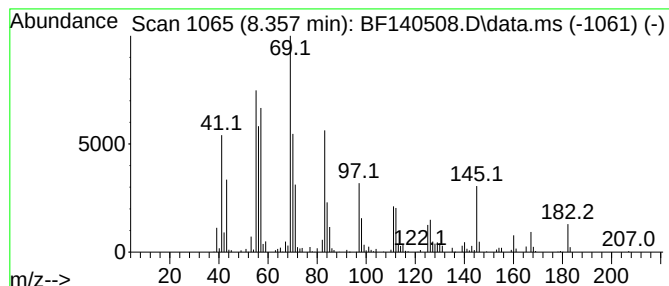
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 Cyclohexane, 2-butyl-1,1,3-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.357	10.07 ng	363241	Naphthalene-d8	8.151

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 2-butyl-1,1,3-trime...	182	C13H26	054676-39-0	95
2		4-Trifluoroacetoxytridecane	296	C15H27F3O2	1000245-47-3	86
3		1-Dodecanol, 3,7,11-trimethyl-	228	C15H32O	006750-34-1	86
4		6-Tridecene, (E)-	182	C13H26	006434-76-0	81
5		4-Heptafluorobutyroxytetradecane	410	C18H29F7O2	1000245-49-9	80



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140508.D
Acq On : 20 Nov 2024 19:09
Operator : RC/JU
Sample : P4768-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-5

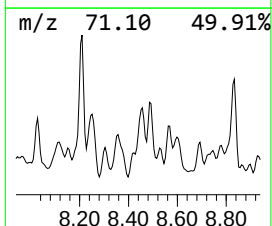
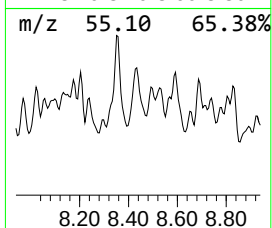
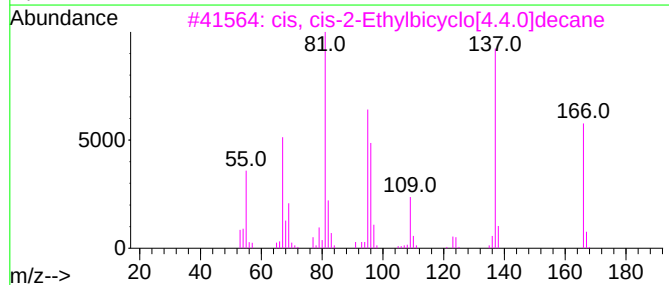
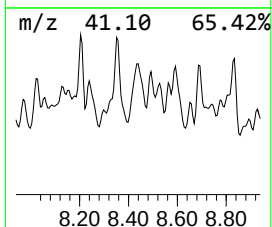
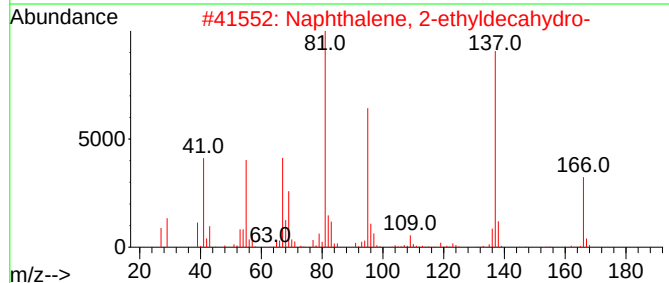
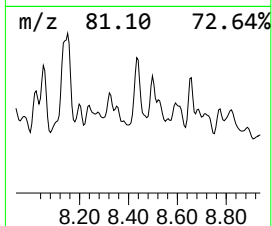
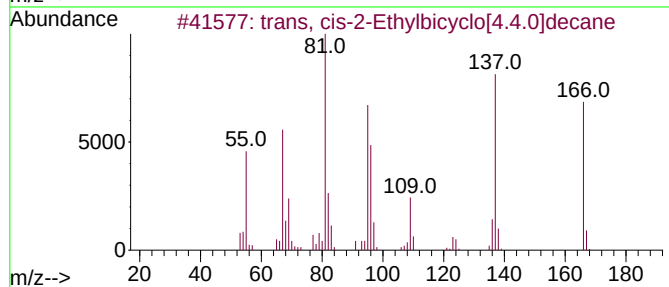
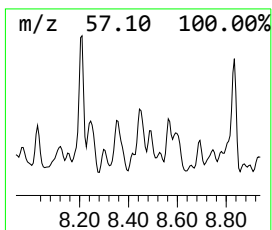
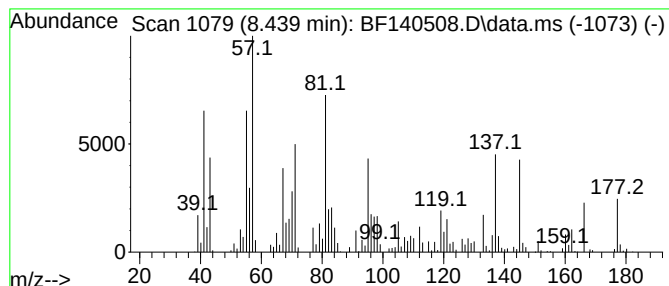
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 trans, cis-2-Ethylbicyclo[4... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.439	11.09 ng	400079	Naphthalene-d8	8.151

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		trans, cis-2-Ethylbicyclo[4.4.0]...	166	C12H22	066660-39-7	50
2		Naphthalene, 2-ethyldecahydro-	166	C12H22	001618-23-1	43
3		cis, cis-2-Ethylbicyclo[4.4.0]de...	166	C12H22	066660-40-0	38
4		4a(2H)-Naphthalenemethanol, octa...	168	C11H20O	099992-19-5	38
5		trans, cis-3-Ethylbicyclo[4.4.0]...	166	C12H22	066660-43-3	30



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140508.D
Acq On : 20 Nov 2024 19:09
Operator : RC/JU
Sample : P4768-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-5

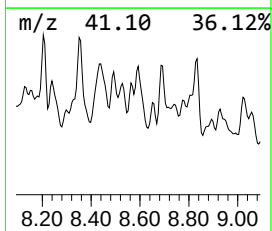
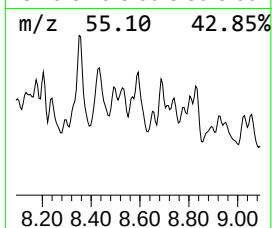
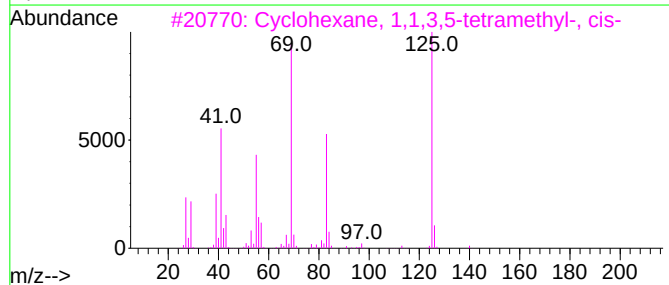
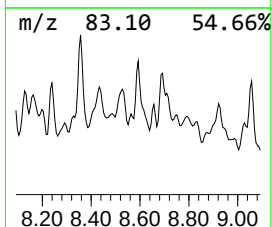
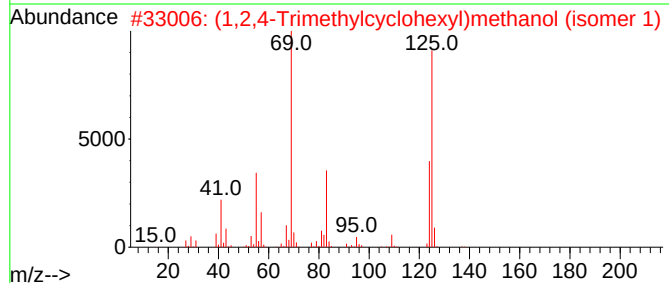
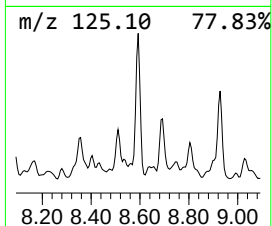
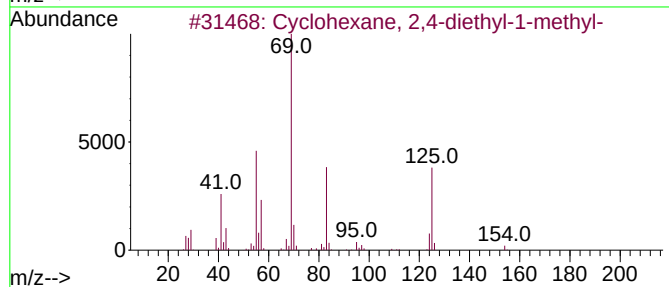
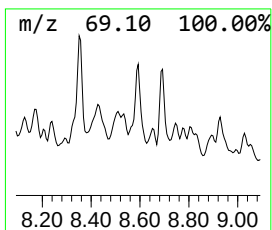
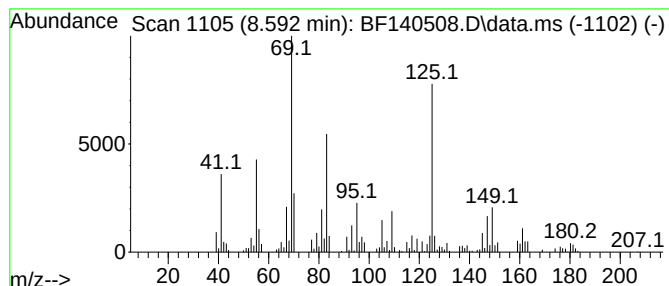
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 Cyclohexane, 2,4-diethyl-1-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.592	9.86 ng	355673	Naphthalene-d8	8.151

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 2,4-diethyl-1-methyl-	154	C11H22	061142-70-9	53
2		(1,2,4-Trimethylcyclohexyl)metha...	156	C10H200	1000499-03-8	53
3		Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	50
4		Cyclohexane, 1,1,4,4-tetramethyl-	140	C10H20	002223-52-1	40
5		2,2-Dimethyl-3-heptene trans	126	C9H18	019550-75-5	35



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140508.D
Acq On : 20 Nov 2024 19:09
Operator : RC/JU
Sample : P4768-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-5

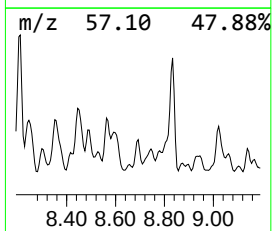
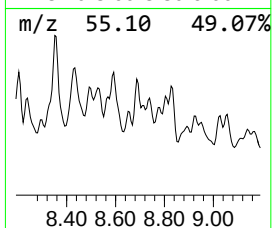
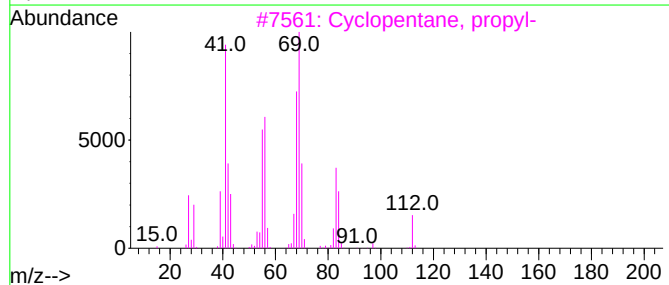
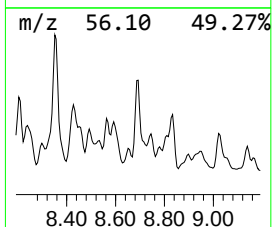
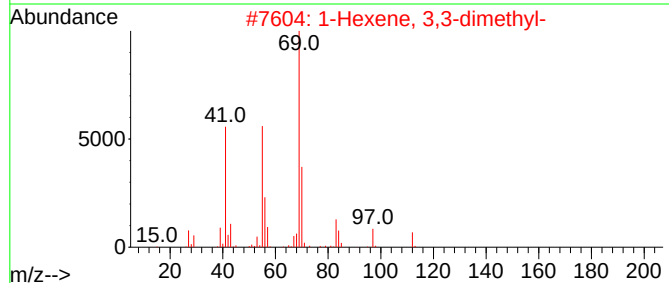
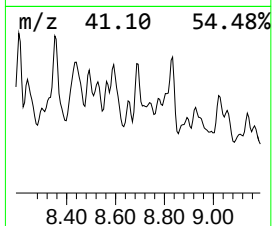
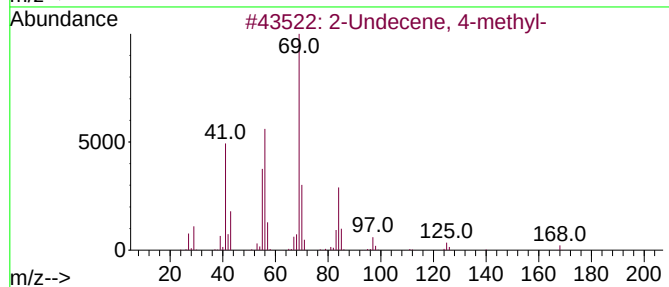
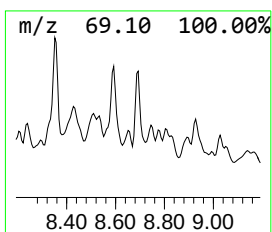
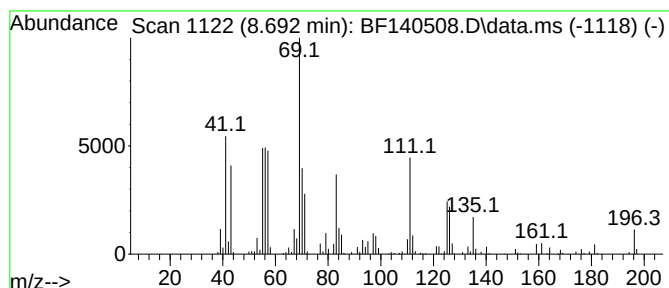
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 2-Undecene, 4-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.692	6.70 ng	241629	Naphthalene-d8	8.151

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Undecene, 4-methyl-			168	C12H24	091695-32-8	52
2	1-Hexene, 3,3-dimethyl-			112	C8H16	003404-77-1	49
3	Cyclopentane, propyl-			112	C8H16	002040-96-2	46
4	Cyclooctane, ethyl-			140	C10H20	013152-02-8	43
5	2-(Acetylmethylene)tetrahydrofuran			126	C7H10O2	112595-65-0	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140508.D
Acq On : 20 Nov 2024 19:09
Operator : RC/JU
Sample : P4768-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-5

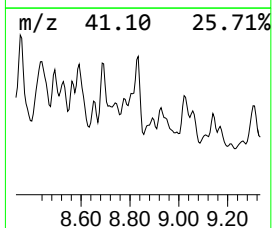
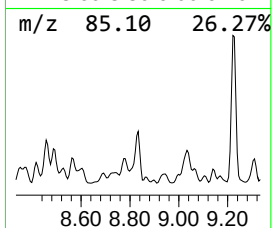
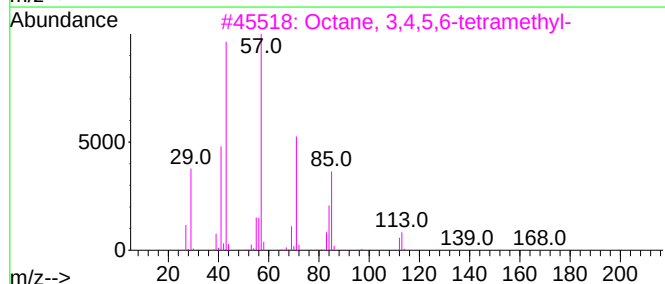
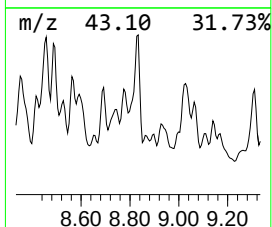
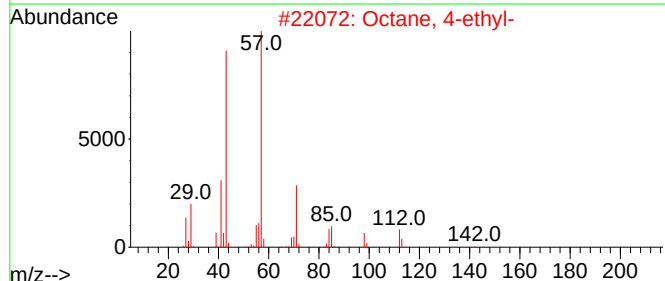
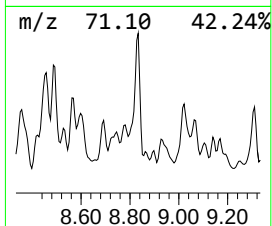
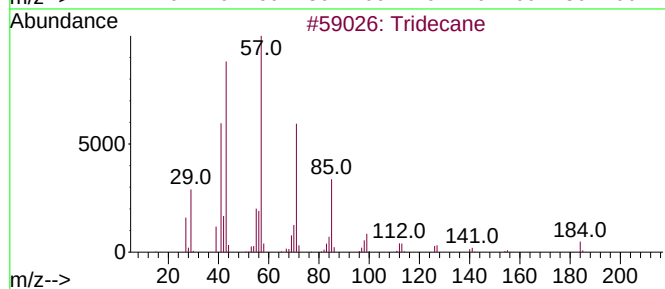
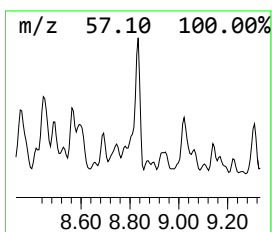
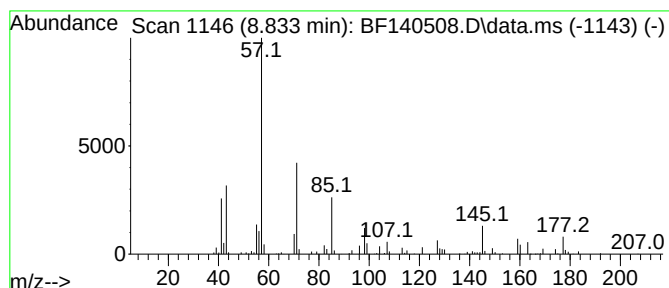
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 unknown8.833 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.833	7.51 ng	270717	Naphthalene-d8	8.151

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Tridecane	184	C13H28	000629-50-5	47
2		Octane, 4-ethyl-	142	C10H22	015869-86-0	47
3		Octane, 3,4,5,6-tetramethyl-	170	C12H26	062185-21-1	47
4		Dodecane	170	C12H26	000112-40-3	47
5		Hexadecane	226	C16H34	000544-76-3	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140508.D
Acq On : 20 Nov 2024 19:09
Operator : RC/JU
Sample : P4768-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-5

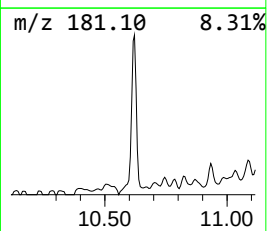
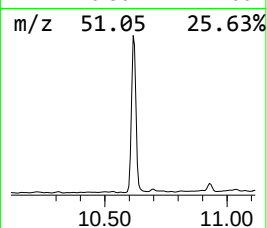
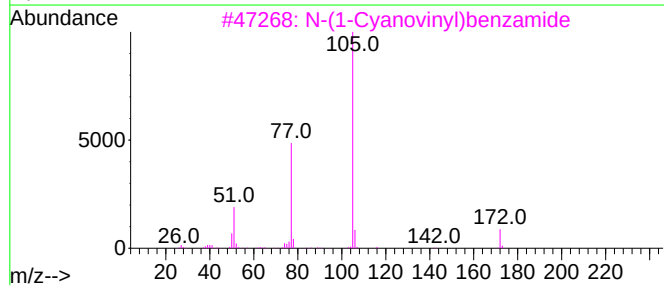
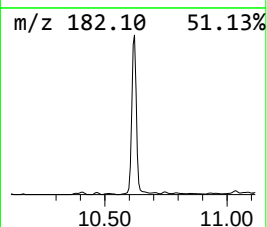
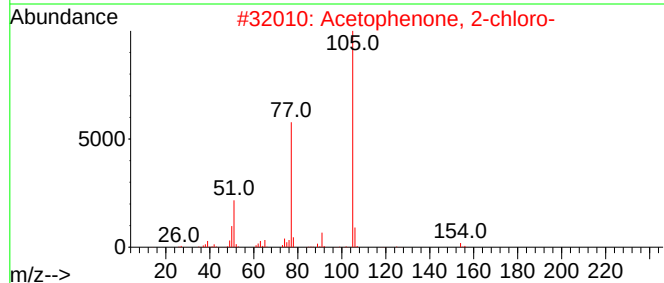
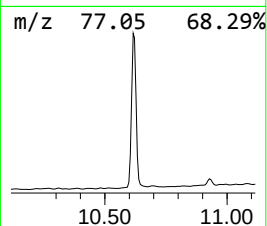
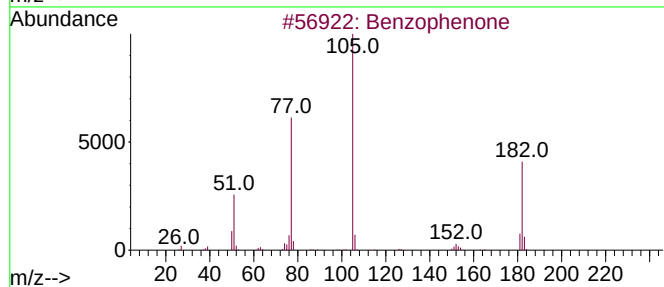
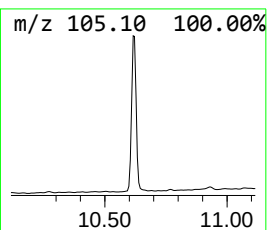
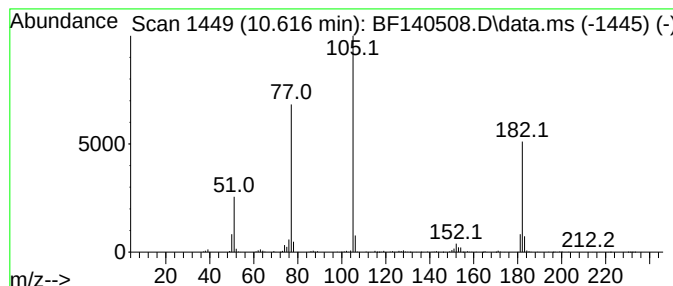
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.616	12.14 ng	383034	Acenaphthene-d10	9.904

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	49
3			N-(1-Cyanovinyl)benzamide	172	C10H8N2O	1000186-19-1	47
4			Methyl 2-benzoyl-4-cyanobutanoate	231	C13H13NO3	1010486-83-8	47
5			Benzoic acid, phenyl ester	198	C13H10O2	000093-99-2	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140508.D
Acq On : 20 Nov 2024 19:09
Operator : RC/JU
Sample : P4768-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-5

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-metho...	2.140	56.6	ng	1959060	1	6.875	692320	20.0
Cyclohexane, 1,...	5.092	6.3	ng	218061	1	6.875	692320	20.0
Cyclooctane, 1-...	5.886	4.3	ng	150425	1	6.875	692320	20.0
4-Octene, 2,6-d...	6.410	13.2	ng	457443	1	6.875	692320	20.0
unknown6.651	6.651	4.6	ng	159356	1	6.875	692320	20.0
7-Tetradecyne	6.963	4.6	ng	160383	1	6.875	692320	20.0
2-Decene, 4-met...	7.139	7.7	ng	265141	1	6.875	692320	20.0
1-Cyclohexyl-2-...	7.292	4.9	ng	170353	1	6.875	692320	20.0
Ketone, methyl ...	7.510	7.1	ng	245632	1	6.875	692320	20.0
Naphthalene, de...	7.675	7.2	ng	259222	2	8.151	721215	20.0
trans-4a-Methyl...	7.792	7.3	ng	261532	2	8.151	721215	20.0
unknown8.022	8.022	4.8	ng	172768	2	8.151	721215	20.0
Dodecane, 2,7,1...	8.204	6.1	ng	220830	2	8.151	721215	20.0
unknown8.239	8.239	5.5	ng	199349	2	8.151	721215	20.0
Cyclohexane, 2-...	8.357	10.1	ng	363241	2	8.151	721215	20.0
trans, cis-2-Et...	8.439	11.1	ng	400079	2	8.151	721215	20.0
Cyclohexane, 2,...	8.592	9.9	ng	355673	2	8.151	721215	20.0
2-Undecene, 4-m...	8.692	6.7	ng	241629	2	8.151	721215	20.0
unknown8.833	8.833	7.5	ng	270717	2	8.151	721215	20.0
Benzophenone	10.616	12.1	ng	383034	3	9.904	630925	20.0

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-6-2	SDG No.:	P4768
Lab Sample ID:	P4768-06	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	94.3
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140310.D	1	11/08/24 09:45	11/08/24 20:14	PB164789

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	190	U	190	350	ug/Kg
108-95-2	Phenol	87.8	U	87.8	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	88.6	U	88.6	180	ug/Kg
95-57-8	2-Chlorophenol	88.4	U	88.4	180	ug/Kg
95-48-7	2-Methylphenol	85.4	U	85.4	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	96.3	U	96.3	180	ug/Kg
98-86-2	Acetophenone	92.0	U	92.0	180	ug/Kg
65794-96-9	3+4-Methylphenols	84.5	U	84.5	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	42.7	U	42.7	84.7	ug/Kg
67-72-1	Hexachloroethane	87.9	U	87.9	180	ug/Kg
98-95-3	Nitrobenzene	96.2	U	96.2	180	ug/Kg
78-59-1	Isophorone	89.6	U	89.6	180	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	180	ug/Kg
105-67-9	2,4-Dimethylphenol	98.7	U	98.7	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	90.9	U	90.9	180	ug/Kg
120-83-2	2,4-Dichlorophenol	80.0	U	80.0	180	ug/Kg
91-20-3	Naphthalene	87.5	U	87.5	180	ug/Kg
106-47-8	4-Chloroaniline	87.5	U	87.5	180	ug/Kg
87-68-3	Hexachlorobutadiene	88.2	U	88.2	180	ug/Kg
105-60-2	Caprolactam	91.9	U	91.9	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	82.1	U	82.1	180	ug/Kg
91-57-6	2-Methylnaphthalene	87.4	U	87.4	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	170	U	170	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	75.6	U	75.6	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	78.4	U	78.4	180	ug/Kg
92-52-4	1,1-Biphenyl	92.6	U	92.6	180	ug/Kg
91-58-7	2-Chloronaphthalene	88.2	U	88.2	180	ug/Kg
88-74-4	2-Nitroaniline	100	U	100	180	ug/Kg
131-11-3	Dimethylphthalate	86.5	U	86.5	180	ug/Kg

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-6-2	SDG No.:	P4768
Lab Sample ID:	P4768-06	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	94.3
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140310.D	1	11/08/24 09:45	11/08/24 20:14	PB164789

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	310		91.6	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	88.1	U	88.1	180	ug/Kg
99-09-2	3-Nitroaniline	94.5	U	94.5	180	ug/Kg
83-32-9	Acenaphthene	85.9	U	85.9	180	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	350	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	350	ug/Kg
132-64-9	Dibenzofuran	150	J	89.4	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	91.3	U	91.3	180	ug/Kg
84-66-2	Diethylphthalate	84.8	U	84.8	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	90.7	U	90.7	180	ug/Kg
86-73-7	Fluorene	230		90.5	180	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	86.4	U	86.4	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	83.6	U	83.6	180	ug/Kg
118-74-1	Hexachlorobenzene	90.0	U	90.0	180	ug/Kg
1912-24-9	Atrazine	96.8	U	96.8	180	ug/Kg
87-86-5	Pentachlorophenol	81.9	U	81.9	350	ug/Kg
85-01-8	Phenanthrene	2200		89.0	180	ug/Kg
120-12-7	Anthracene	680		89.4	180	ug/Kg
86-74-8	Carbazole	110	J	85.0	180	ug/Kg
84-74-2	Di-n-butylphthalate	89.3	U	89.3	180	ug/Kg
206-44-0	Fluoranthene	2800	E	86.5	180	ug/Kg
129-00-0	Pyrene	2300		87.9	180	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	100	U	100	350	ug/Kg
56-55-3	Benzo(a)anthracene	1600		85.5	180	ug/Kg
218-01-9	Chrysene	1200		84.2	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	96.4	U	96.4	180	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	1200		85.9	180	ug/Kg

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-6-2	SDG No.:	P4768
Lab Sample ID:	P4768-06	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	94.3
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140310.D	1	11/08/24 09:45	11/08/24 20:14	PB164789

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	590		87.5	180	ug/Kg
50-32-8	Benzo(a)pyrene	1100		98.5	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	400		82.7	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	150	J	86.0	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	380		84.8	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	91.9	U	91.9	180	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	79.1	U	79.1	180	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	79.0		18 - 112	53%	SPK: 150
13127-88-3	Phenol-d6	75.2		15 - 107	50%	SPK: 150
4165-60-0	Nitrobenzene-d5	51.5		18 - 107	52%	SPK: 100
321-60-8	2-Fluorobiphenyl	58.8		20 - 109	59%	SPK: 100
118-79-6	2,4,6-Tribromophenol	80.5		10 - 116	54%	SPK: 150
1718-51-0	Terphenyl-d14	61.9		10 - 105	62%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	109000	6.881
1146-65-2	Naphthalene-d8	377000	8.157
15067-26-2	Acenaphthene-d10	191000	9.916
1517-22-2	Phenanthrene-d10	335000	11.41
1719-03-5	Chrysene-d12	199000	14.063
1520-96-3	Perylene-d12	181000	15.562

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	2100	JB	2.15	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	110	AB	5.09	ug/Kg
000108-38-3	Benzene, 1,3-dimethyl-	110	J	5.73	ug/Kg
000111-84-2	Nonane	100	J	5.79	ug/Kg
000124-18-5	Decane	140	J	6.71	ug/Kg
000575-37-1	Naphthalene, 1,7-dimethyl-	98.8	J	9.50	ug/Kg
000581-40-8	Naphthalene, 2,3-dimethyl-	130	J	9.57	ug/Kg

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-6-2	SDG No.:	P4768
Lab Sample ID:	P4768-06	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	94.3
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140310.D	1	11/08/24 09:45	11/08/24 20:14	PB164789

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000829-26-5	Naphthalene, 2,3,6-trimethyl-	120	J		10.3	ug/Kg
000119-61-9	Benzophenone	460	J		10.6	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	120	J		11.9	ug/Kg
000832-69-9	Phenanthrene, 1-methyl-	200	J		11.9	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	230	J		12.0	ug/Kg
003674-66-6	Phenanthrene, 2,5-dimethyl-	90.4	J		12.5	ug/Kg
000781-17-9	Pyrene, 4,5,9,10-tetrahydro-	93.2	J		12.5	ug/Kg
002381-21-7	Pyrene, 1-methyl-	210	J		13.1	ug/Kg
003353-12-6	Pyrene, 4-methyl-	160	J		13.3	ug/Kg
000479-79-8	11H-Benzo[a]fluoren-11-one	140	J		13.7	ug/Kg
000239-35-0	Benzo[b]naphtho[2,1-d]thiophene	92.5	J		13.8	ug/Kg
000082-05-3	7H-Benz[de]anthracen-7-one	160	J		13.9	ug/Kg
000192-97-2	Benzo[e]pyrene	690	J		15.4	ug/Kg

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\BF110824\
 Data File : BF140310.D
 Acq On : 08 Nov 2024 20:14
 Operator : RC/JU
 Sample : P4768-06
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-6-2

Manual Integrations
 APPROVED

Reviewed By :Yogesh
 Patel

Quant Time: Nov 08 21:49:02 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 05 16:47:56 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							11/10/2024
1) 1,4-Dichlorobenzene-d4	6.881	152	108852	20.000	ng	0.00	Supervised By :mohammad Ahmed
21) Naphthalene-d8	8.157	136	376967	20.000	ng	0.00	
39) Acenaphthene-d10	9.916	164	191196	20.000	ng	0.00	
64) Phenanthrene-d10	11.410	188	335212	20.000	ng	0.00	
76) Chrysene-d12	14.063	240	198806	20.000	ng	0.00	
86) Perylene-d12	15.562	264	180647	20.000	ng	0.00	11/11/2024
System Monitoring Compounds							
5) 2-Fluorophenol	5.498	112	519160	79.039	ng	0.00	
7) Phenol-d6	6.498	99	635694	75.243	ng	0.00	
23) Nitrobenzene-d5	7.434	82	390584	51.514	ng	-0.01	
42) 2,4,6-Tribromophenol	10.710	330	152063	80.462	ng	0.00	
45) 2-Fluorobiphenyl	9.233	172	704288	58.820	ng	0.00	
79) Terphenyl-d14	12.998	244	751380	61.912	ng	0.00	
Target Compounds							Qvalue
31) Naphthalene	8.181	128	44670	2.295	ng		98
49) Acenaphthylene	9.775	152	127679	8.670	ng		98
55) Dibenzofuran	10.122	168	60042	4.111	ng	#	94
58) Fluorene	10.463	166	77301	6.649	ng	#	97
71) Phenanthrene	11.433	178	978879	61.190	ng		99
72) Anthracene	11.486	178	304265	19.396	ng		98
73) Carbazole	11.639	167	42982	2.999	ng		98
75) Fluoranthene	12.627	202	1346105	80.472	ng		100
78) Pyrene	12.857	202	1086016	66.160	ng		98
81) Benzo(a)anthracene	14.051	228	582142	45.628	ng		95
83) Chrysene	14.086	228	411914	34.476	ng		96
87) Indeno(1,2,3-cd)pyrene	17.074	276	120151	11.331	ng		95
88) Benzo(b)fluoranthene	15.127	252	366566m	33.547	ng		
89) Benzo(k)fluoranthene	15.139	252	167585m	16.714	ng		
90) Benzo(a)pyrene	15.498	252	277704	30.825	ng		96
91) Dibenzo(a,h)anthracene	17.080	278	36020	4.129	ng	#	79
92) Benzo(g,h,i)perylene	17.533	276	95333	10.712	ng		97

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

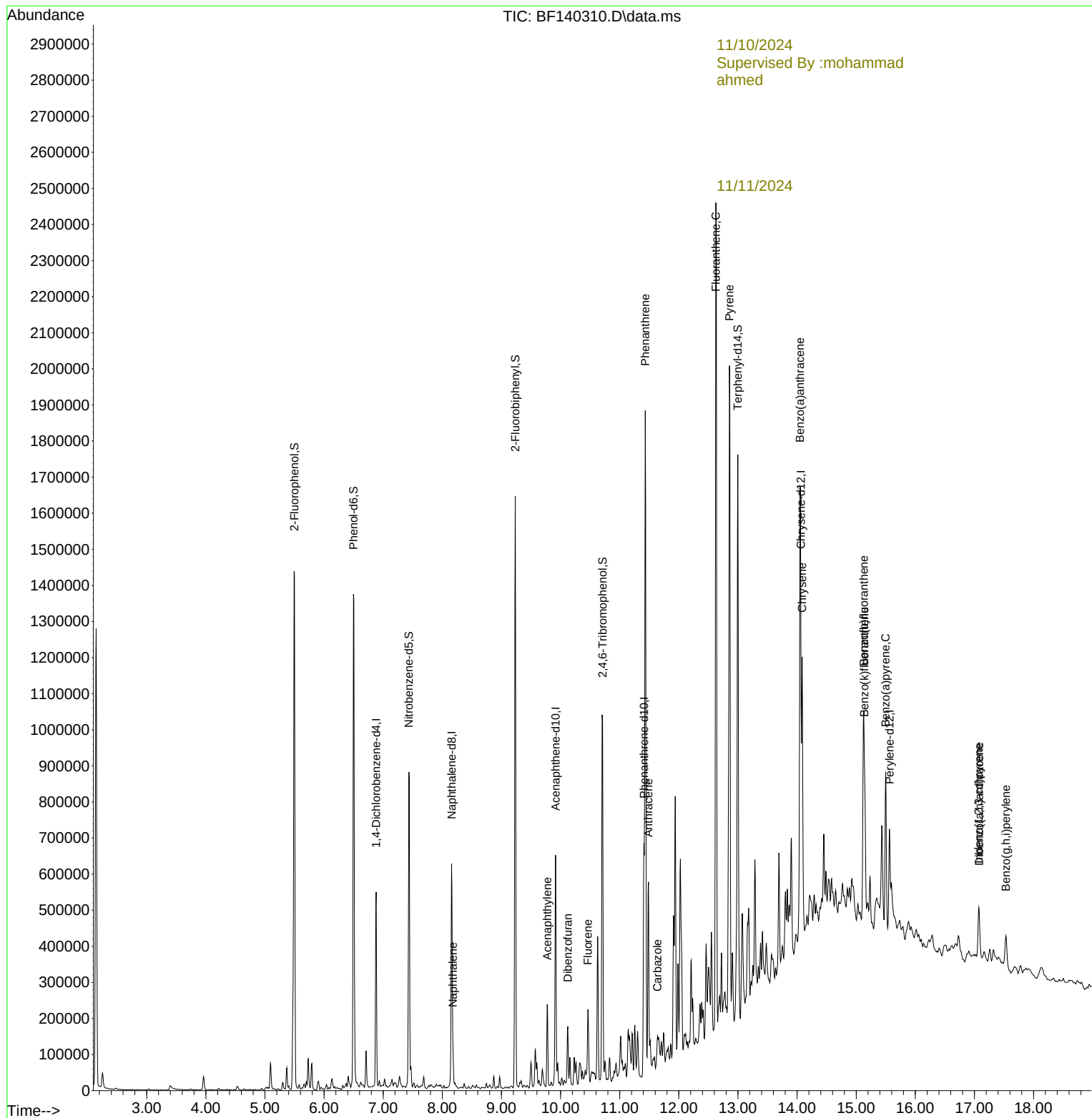
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Data File : BF140310.D
Acq On : 08 Nov 2024 20:14
Operator : RC/JU
Sample : P4768-06
Misc :
ALS Vial : 26 Sample Multiplier: 1

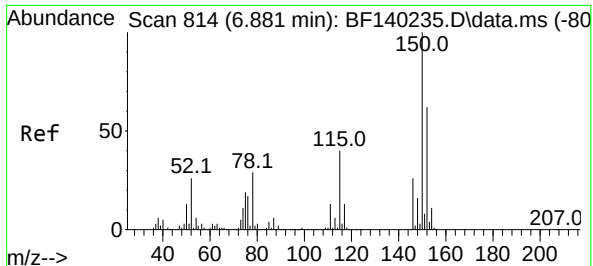
Instrument :
BNA_F
ClientSampleId :
B-6-2

Manual Integrations
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Reviewed By :Yogesh
Patel

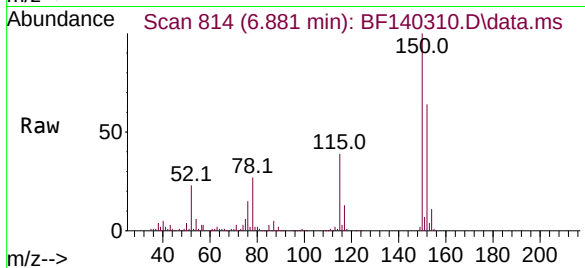
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 16:47:56 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF140310.D
Acq: 08 Nov 2024 20:14

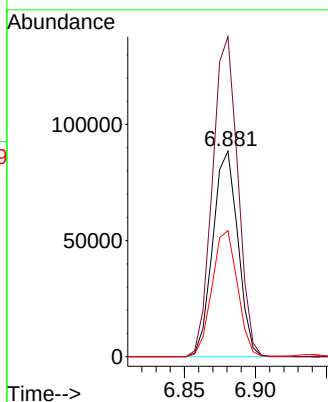
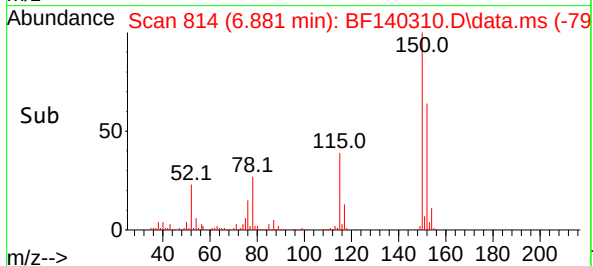
Instrument :
BNA_F
ClientSampleId :
B-6-2



Tgt Ion:152 Resp: 108852
Ion Ratio Lower Upper
152 100
150 155.8 129.4 194.2
115 61.3 51.5 77.3

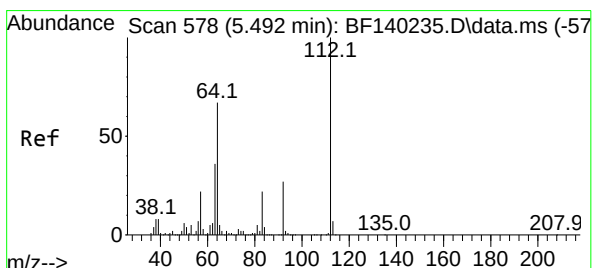
Manual Integrations
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Reviewed By :Yogesh
Patel



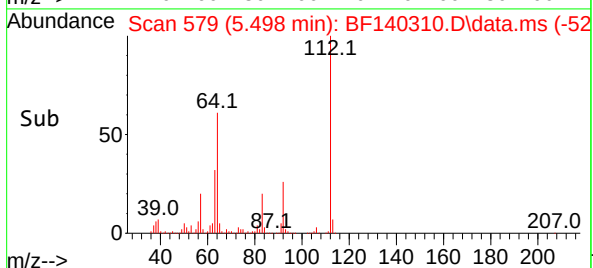
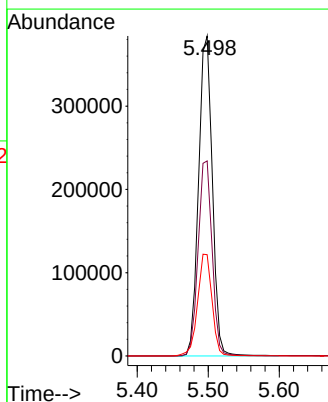
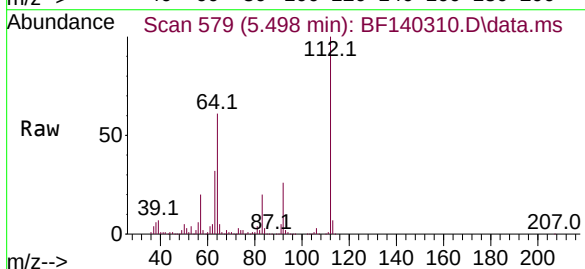
11/10/2024
Supervised By :mohammad
ahmed

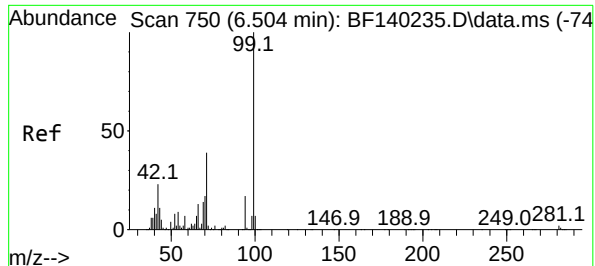
11/11/2024



#5
2-Fluorophenol
Concen: 79.039 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.006 min
Lab File: BF140310.D
Acq: 08 Nov 2024 20:14

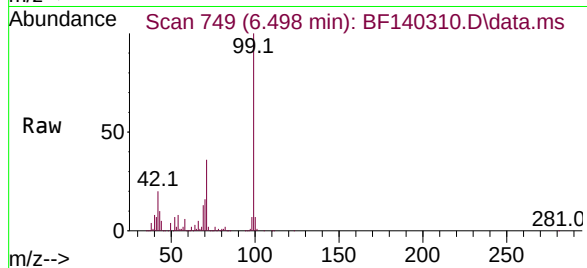
Tgt Ion:112 Resp: 519160
Ion Ratio Lower Upper
112 100
64 61.0 53.4 80.2
63 31.7 28.9 43.3





#7
Phenol-d6
Concen: 75.243 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF140310.D
Acq: 08 Nov 2024 20:14

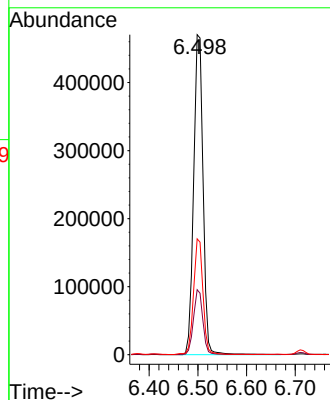
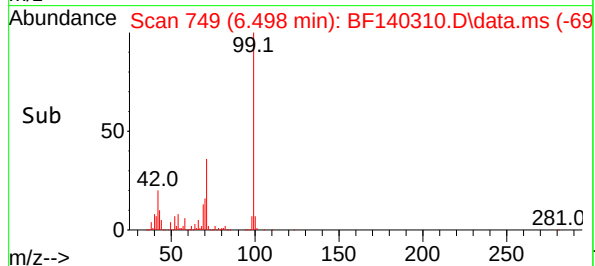
Instrument :
BNA_F
ClientSampleId :
B-6-2



Tgt Ion: 99 Resp: 635694
Ion Ratio Lower Upper
99 100
42 20.3 18.2 27.2
71 36.2 30.9 46.3

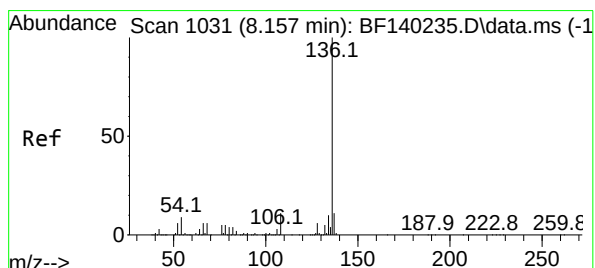
Manual Integrations
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Reviewed By :Yogesh
Patel



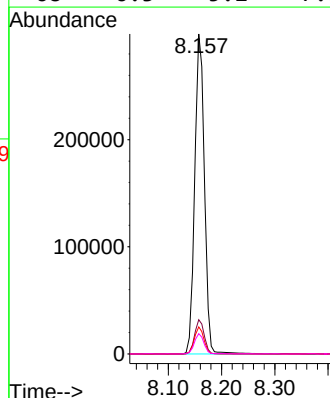
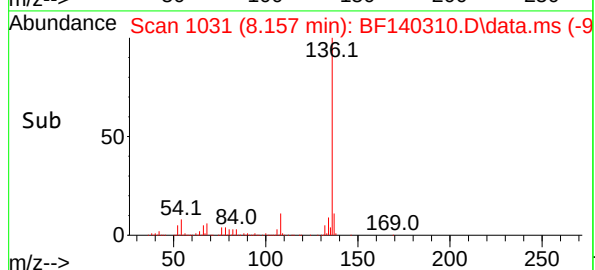
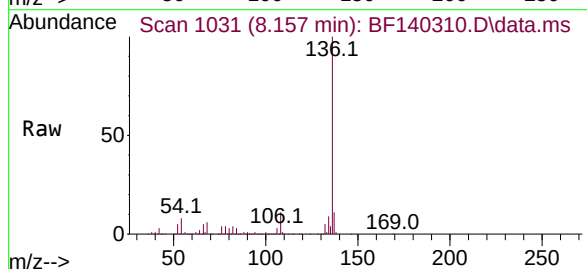
11/10/2024
Supervised By :mohammad
ahmed

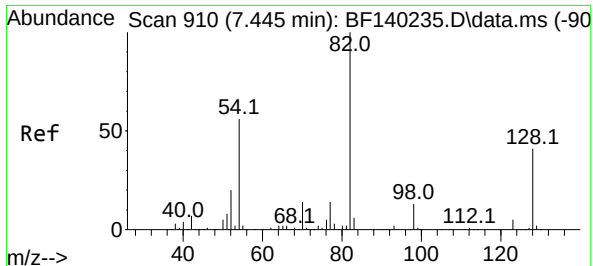
11/11/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. 0.000 min
Lab File: BF140310.D
Acq: 08 Nov 2024 20:14

Tgt Ion:136 Resp: 376967
Ion Ratio Lower Upper
136 100
137 10.7 9.0 13.6
54 8.4 7.7 11.5
68 6.3 5.2 7.8





#23

Nitrobenzene-d5

Concen: 51.514 ng

RT: 7.434 min Scan# 90

Delta R.T. -0.012 min

Lab File: BF140310.D

Acq: 08 Nov 2024 20:14

Instrument :

BNA_F

ClientSampleId :

B-6-2

Tgt Ion: 82 Resp: 390584

Ion Ratio Lower Upper

82 100

128 41.7 32.8 49.2

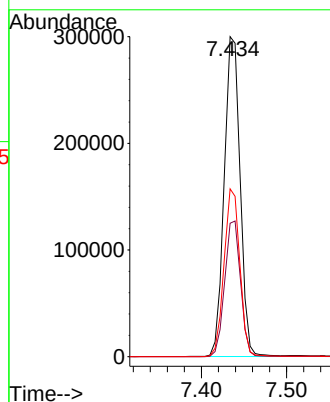
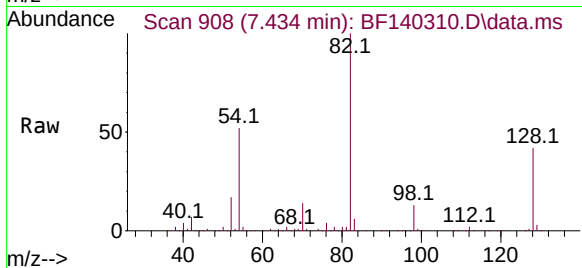
54 52.5 44.3 66.5

Manual Integrations

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Reviewed By :Yogesh

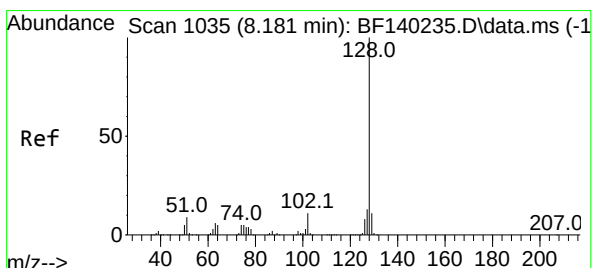
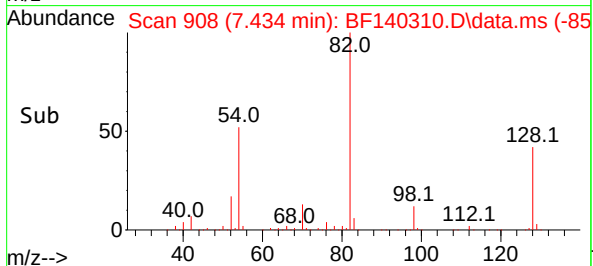
Patel



11/10/2024

Supervised By :mohammad
ahmed

11/11/2024



#31

Naphthalene

Concen: 2.295 ng

RT: 8.181 min Scan# 1035

Delta R.T. 0.000 min

Lab File: BF140310.D

Acq: 08 Nov 2024 20:14

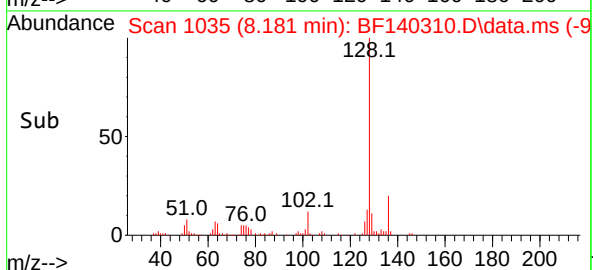
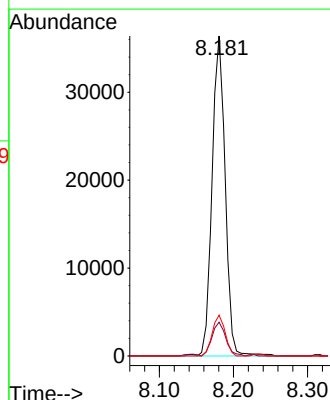
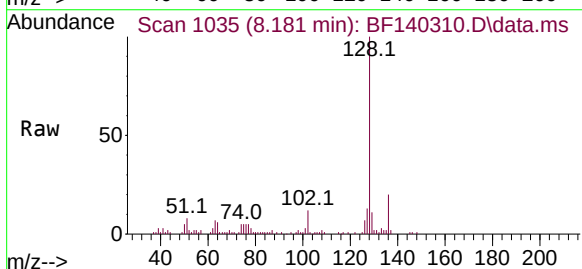
Tgt Ion:128 Resp: 44670

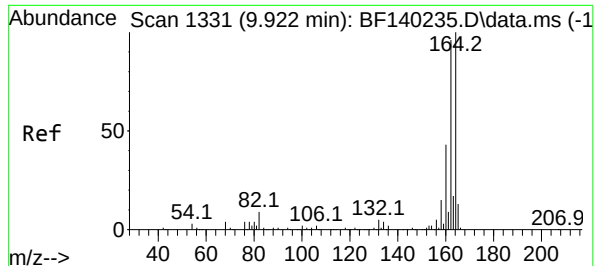
Ion Ratio Lower Upper

128 100

129 10.6 9.0 13.6

127 12.8 10.7 16.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140310.D

Acq: 08 Nov 2024 20:14

Instrument :

BNA_F

ClientSampleId :

B-6-2

Tgt Ion:164 Resp: 191190

Ion Ratio Lower Upper

164 100

162 94.4 77.0 115.4

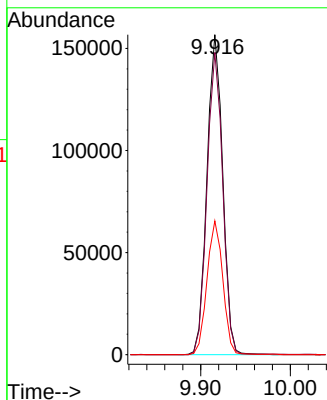
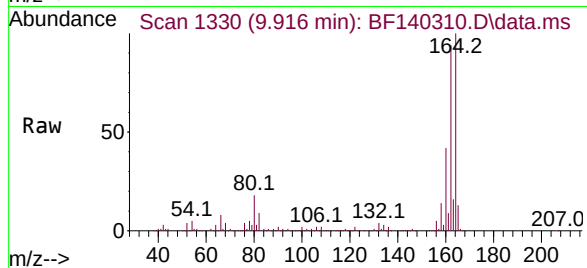
160 41.8 34.1 51.1

Manual Integrations

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Reviewed By :Yogesh

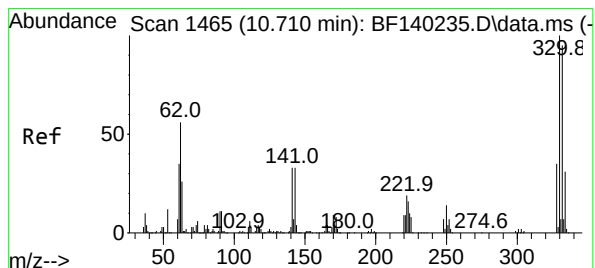
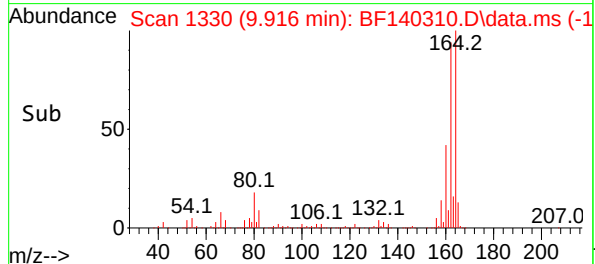
Patel



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Supervised By :mohammad
ahmed

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#42

2,4,6-Tribromophenol

Concen: 80.462 ng

RT: 10.710 min Scan# 1465

Delta R.T. 0.000 min

Lab File: BF140310.D

Acq: 08 Nov 2024 20:14

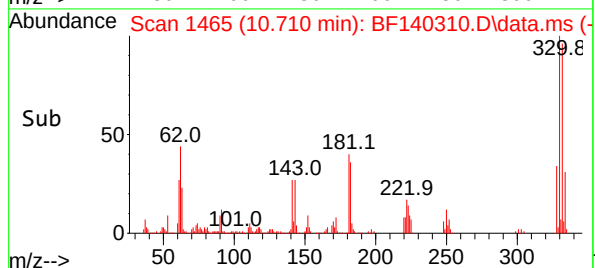
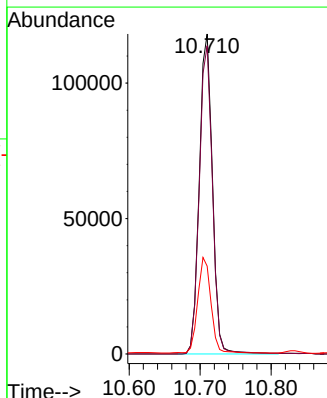
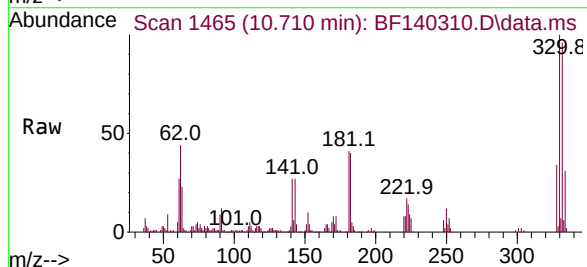
Tgt Ion:330 Resp: 152063

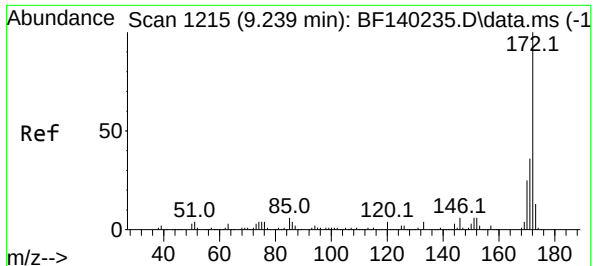
Ion Ratio Lower Upper

330 100

332 97.0 76.4 114.6

141 30.1 27.0 40.4





#45

2-Fluorobiphenyl

Concen: 58.820 ng

RT: 9.233 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140310.D

Acq: 08 Nov 2024 20:14

Instrument :

BNA_F

ClientSampleId :

B-6-2

Tgt Ion:172 Resp: 70428

Ion Ratio Lower Upper

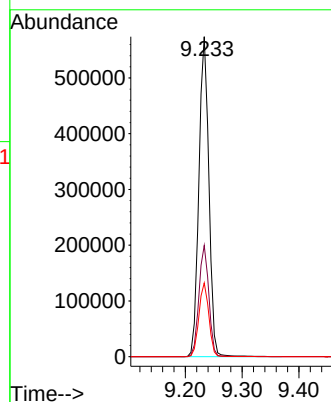
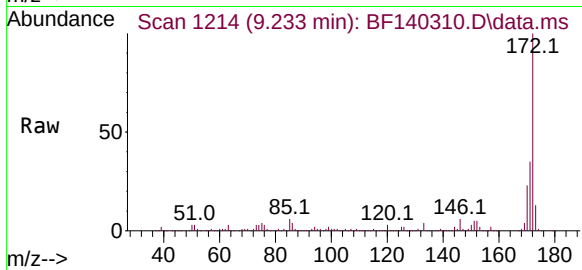
172 100

171 34.8 28.8 43.2

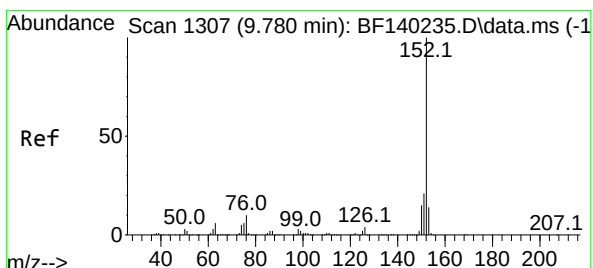
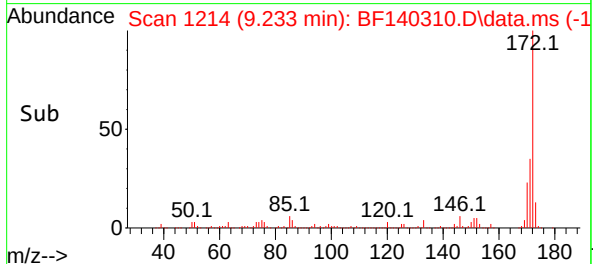
170 23.1 19.6 29.4

Manual Integrations

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Reviewed By :Yogesh
Patel11/10/2024
Supervised By :mohammad
ahmed

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#49

Acenaphthylene

Concen: 8.670 ng

RT: 9.775 min Scan# 1306

Delta R.T. -0.006 min

Lab File: BF140310.D

Acq: 08 Nov 2024 20:14

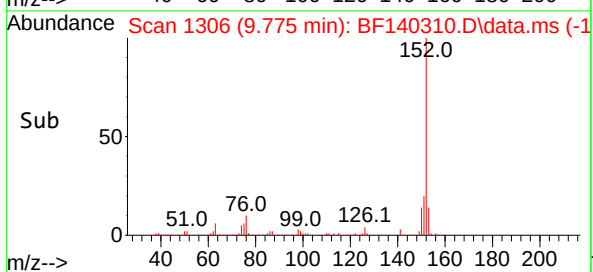
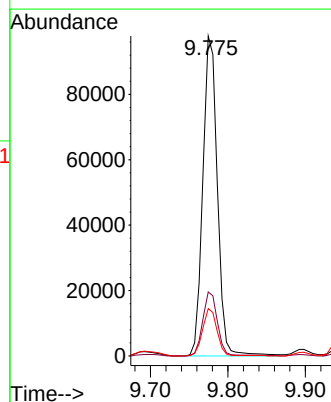
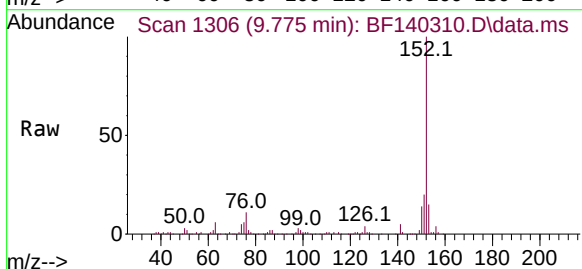
Tgt Ion:152 Resp: 127679

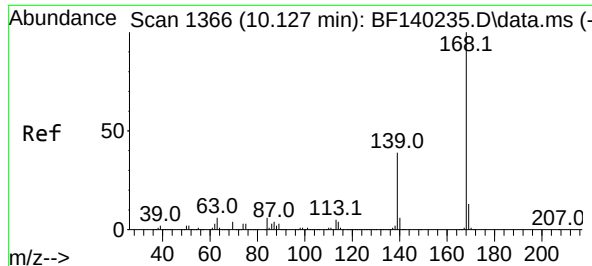
Ion Ratio Lower Upper

152 100

151 20.0 16.4 24.6

153 14.8 11.1 16.7





#55

Dibenzofuran

Concen: 4.111 ng

RT: 10.122 min Scan# 11

Delta R.T. -0.005 min

Lab File: BF140310.D

Acq: 08 Nov 2024 20:14

Instrument :

BNA_F

ClientSampleId :

B-6-2

Tgt Ion:168 Resp: 6004

Ion Ratio Lower Upper

168 100

139 36.8 31.5 47.3

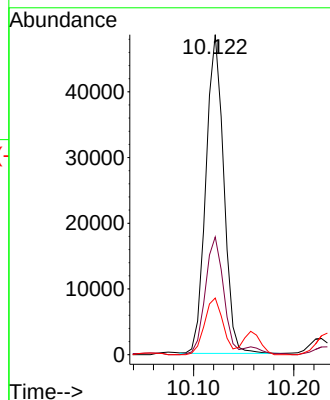
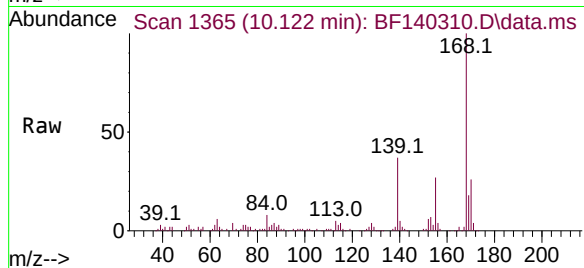
169 17.7 10.6 15.8

Manual Integrations

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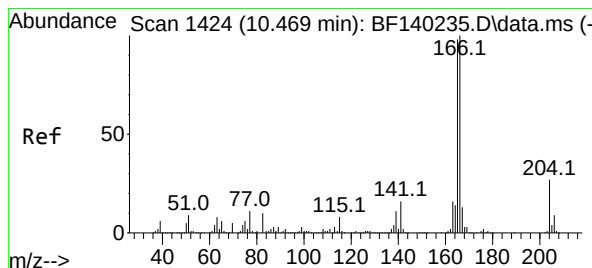
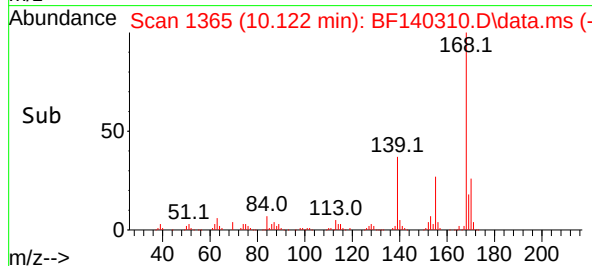
Reviewed By :Yogesh

Patel



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Supervised By :mohammad
ahmed

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#58

Fluorene

Concen: 6.649 ng

RT: 10.463 min Scan# 1423

Delta R.T. -0.006 min

Lab File: BF140310.D

Acq: 08 Nov 2024 20:14

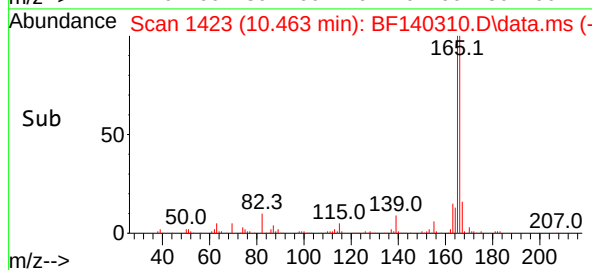
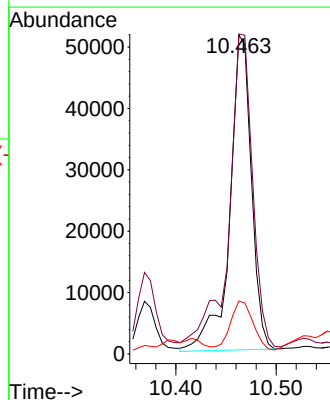
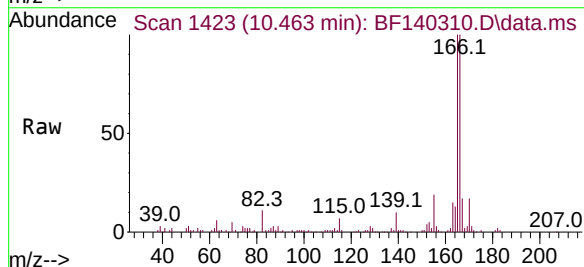
Tgt Ion:166 Resp: 77301

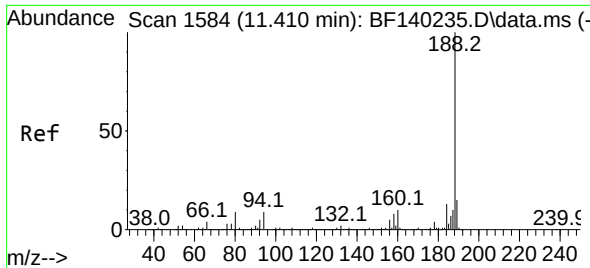
Ion Ratio Lower Upper

166 100

165 100.4 78.7 118.1

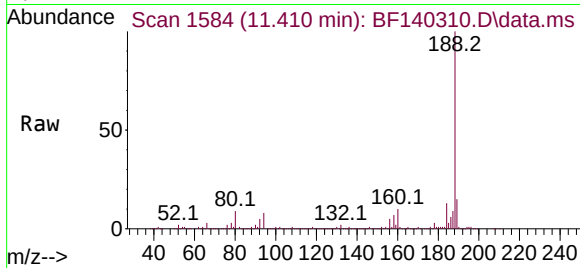
167 16.6 10.8 16.2#





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF140310.D
Acq: 08 Nov 2024 20:14

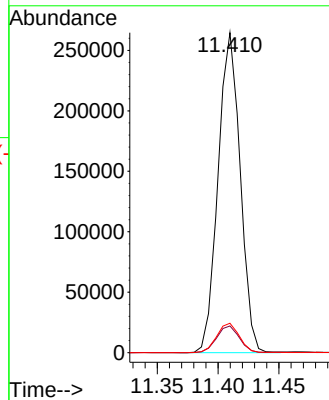
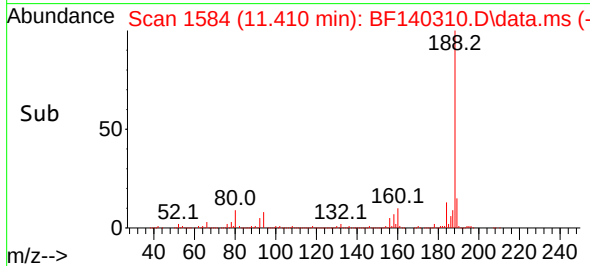
Instrument :
BNA_F
ClientSampleId :
B-6-2



Tgt Ion:188 Resp: 33521
Ion Ratio Lower Upper
188 100
94 8.4 6.9 10.3
80 9.2 7.5 11.3

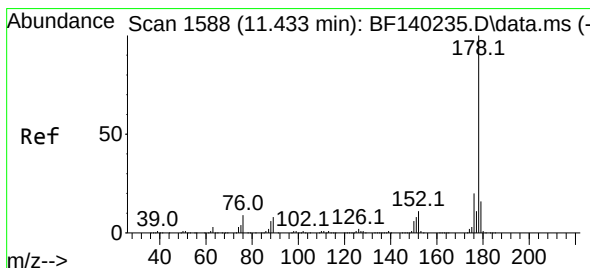
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Reviewed By :Yogesh
Patel

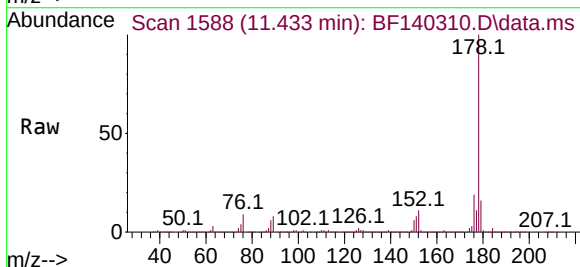


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Supervised By :mohammad
ahmed

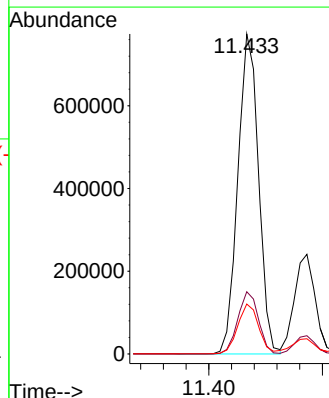
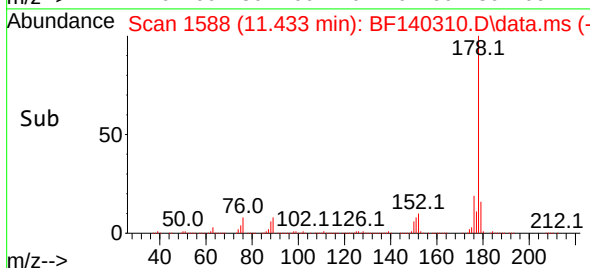
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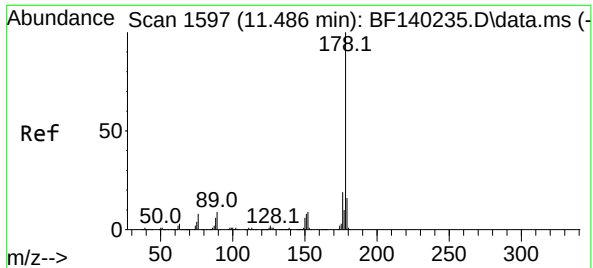


#71
Phenanthrene
Concen: 61.190 ng
RT: 11.433 min Scan# 1588
Delta R.T. 0.000 min
Lab File: BF140310.D
Acq: 08 Nov 2024 20:14



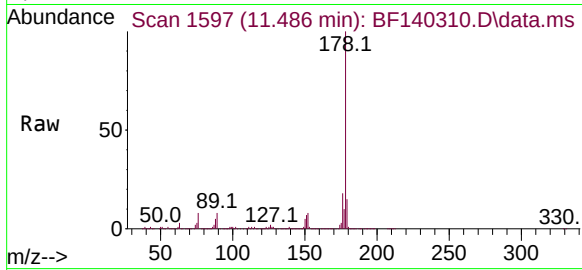
Tgt Ion:178 Resp: 978879
Ion Ratio Lower Upper
178 100
176 19.5 15.9 23.9
179 15.6 12.6 18.8





#72
 Anthracene
 Concen: 19.396 ng
 RT: 11.486 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF140310.D
 Acq: 08 Nov 2024 20:14

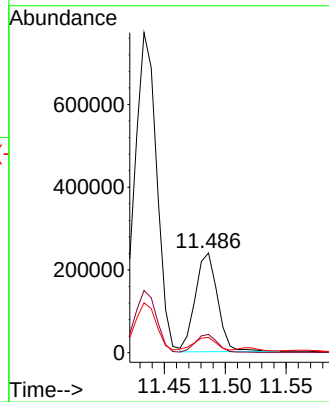
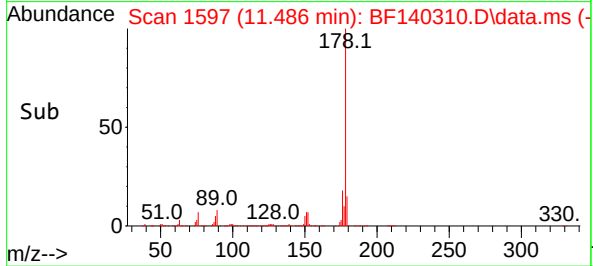
Instrument :
 BNA_F
 ClientSampleId :
 B-6-2



Tgt Ion:178 Resp: 30426
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.4 23.0
 179 15.3 12.7 19.1

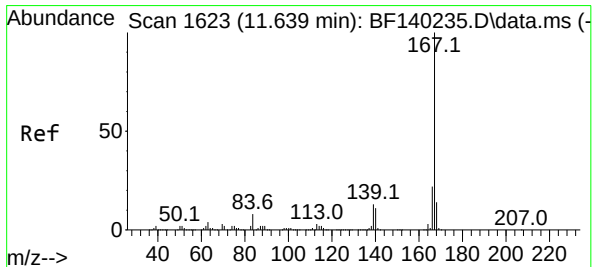
Manual Integrations
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Reviewed By :Yogesh
 Patel

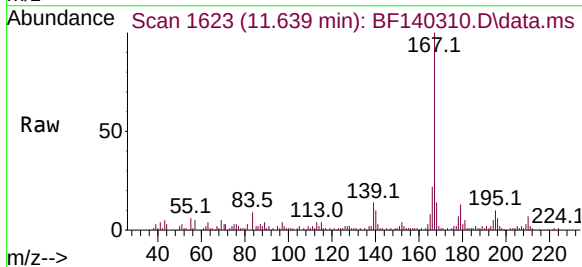


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 Supervised By :mohammad
 ahmed

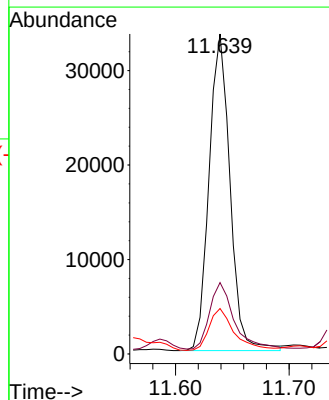
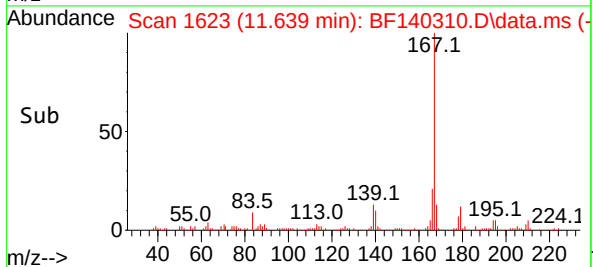
11/11/2024

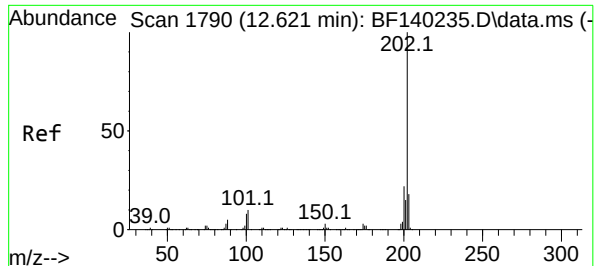


#73
 Carbazole
 Concen: 2.999 ng
 RT: 11.639 min Scan# 1623
 Delta R.T. 0.000 min
 Lab File: BF140310.D
 Acq: 08 Nov 2024 20:14



Tgt Ion:167 Resp: 42982
 Ion Ratio Lower Upper
 167 100
 166 22.3 17.3 25.9
 139 14.2 10.7 16.1





#75

Fluoranthene

Concen: 80.472 ng

RT: 12.627 min Scan# 1790

Delta R.T. 0.006 min

Lab File: BF140310.D

Acq: 08 Nov 2024 20:14

Instrument :

BNA_F

ClientSampleId :

B-6-2

Tgt Ion:202 Resp: 134610

Ion Ratio Lower Upper

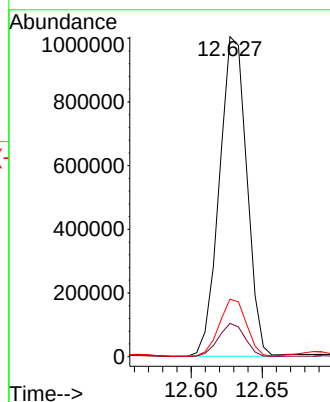
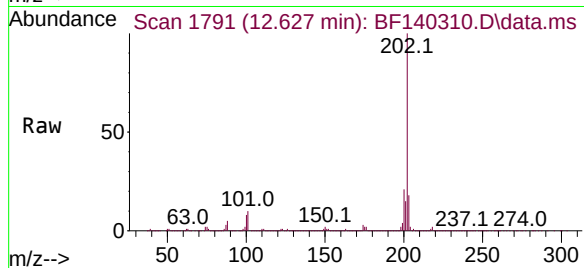
202 100

101 10.4 0.0 30.4

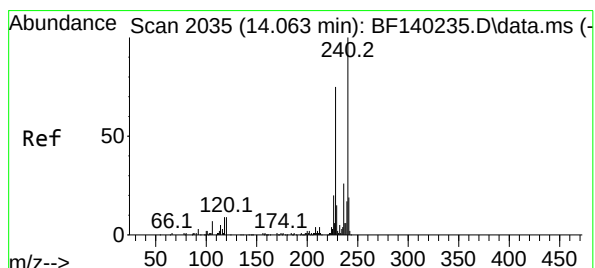
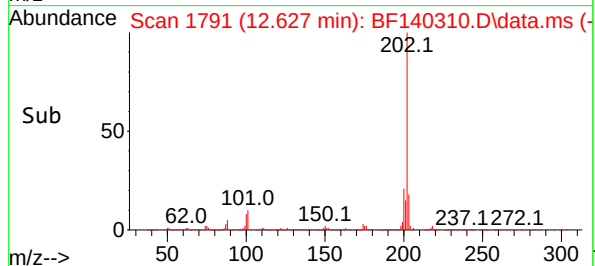
203 18.0 0.0 38.0

Manual Integrations

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Reviewed By :Yogesh
Patel11/10/2024
Supervised By :mohammad
ahmed

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#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.063 min Scan# 2035

Delta R.T. 0.000 min

Lab File: BF140310.D

Acq: 08 Nov 2024 20:14

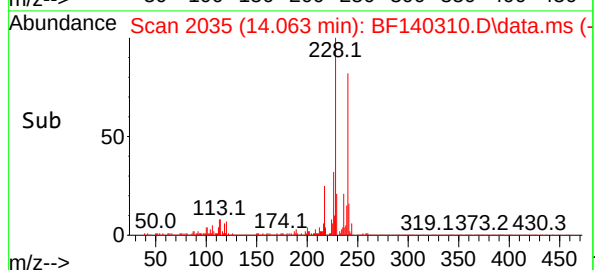
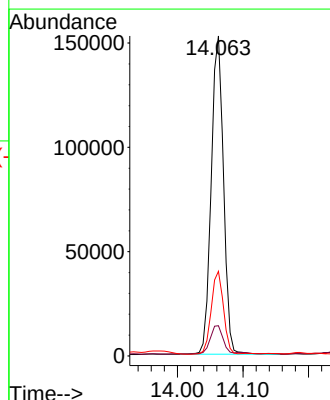
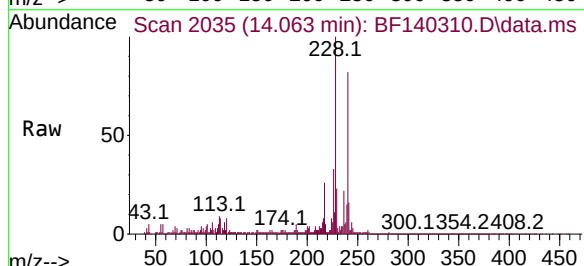
Tgt Ion:240 Resp: 198806

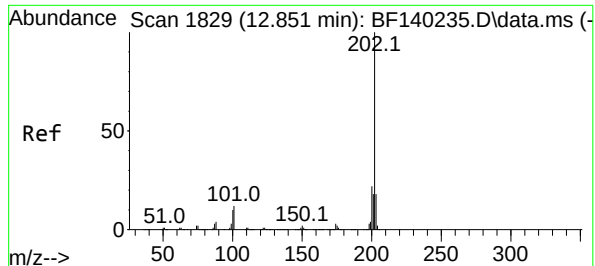
Ion Ratio Lower Upper

240 100

120 9.5 7.5 11.3

236 26.4 20.9 31.3





#78

Pyrene

Concen: 66.160 ng

RT: 12.857 min Scan# 1829

Delta R.T. 0.006 min

Lab File: BF140310.D

Acq: 08 Nov 2024 20:14

Instrument :

BNA_F

ClientSampleId :

B-6-2

Tgt Ion:202 Resp: 1086010

Ion Ratio Lower Upper

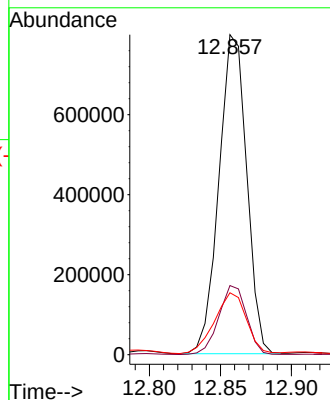
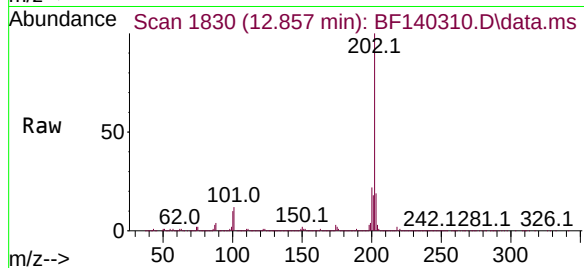
202 100

200 21.6 17.5 26.3

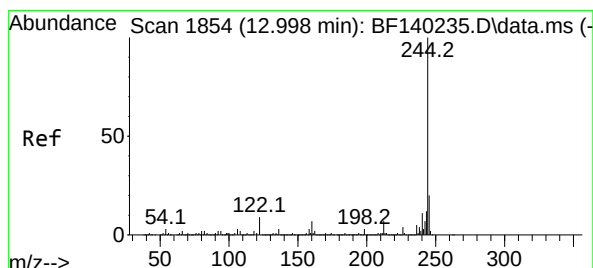
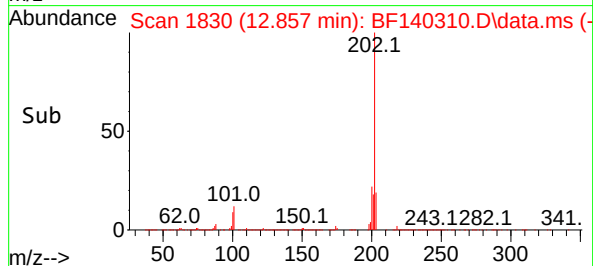
203 19.4 14.4 21.6

Manual Integrations

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Reviewed By :Yogesh
Patel11/10/2024
Supervised By :mohammad
ahmed

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#79

Terphenyl-d14

Concen: 61.912 ng

RT: 12.998 min Scan# 1854

Delta R.T. 0.000 min

Lab File: BF140310.D

Acq: 08 Nov 2024 20:14

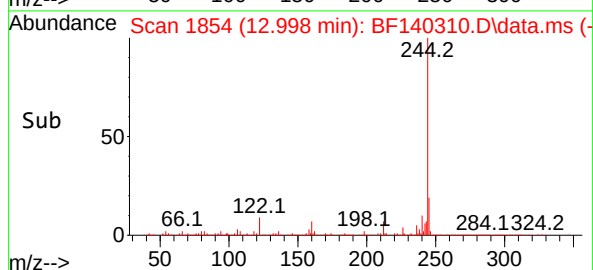
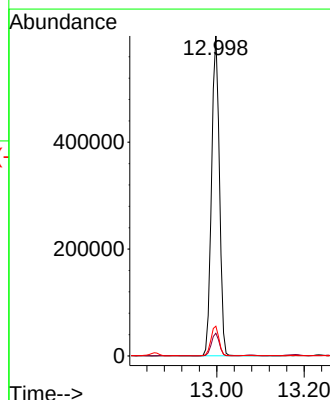
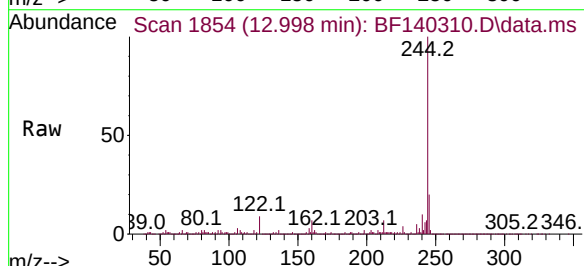
Tgt Ion:244 Resp: 751380

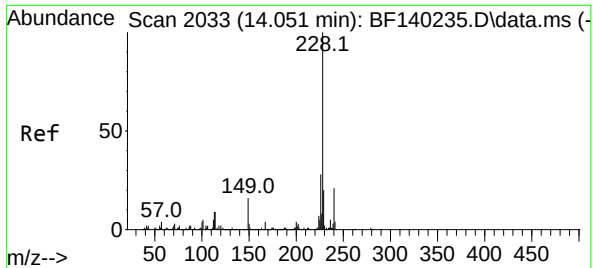
Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

122 9.3 7.6 11.4





#81

Benzo(a)anthracene

Concen: 45.628 ng

RT: 14.051 min Scan# 2033

Delta R.T. 0.000 min

Lab File: BF140310.D

Acq: 08 Nov 2024 20:14

Instrument :

BNA_F

ClientSampleId :

B-6-2

Tgt Ion:228 Resp: 58214

Ion Ratio Lower Upper

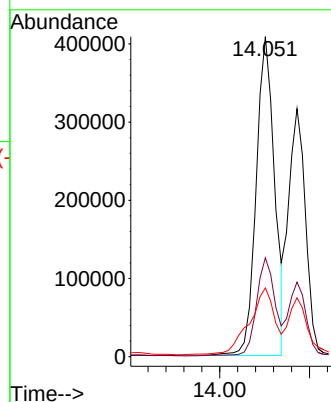
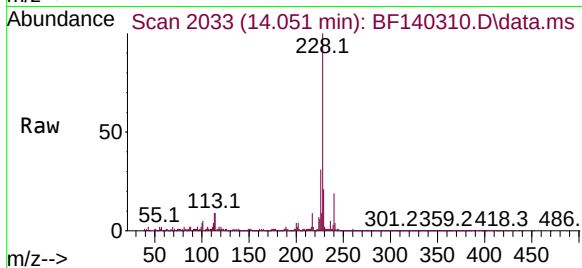
228 100

226 30.9 22.3 33.5

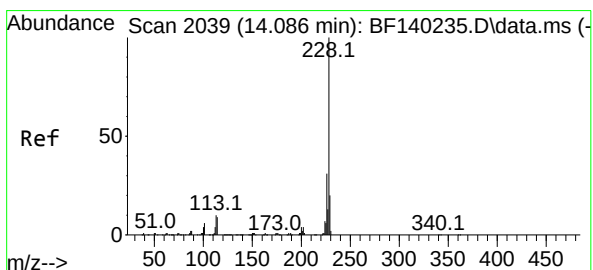
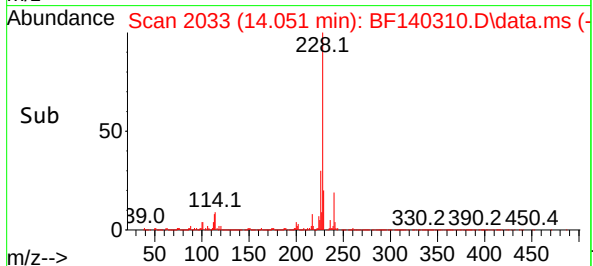
229 21.5 16.1 24.1

Manual Integrations

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Reviewed By :Yogesh
Patel11/10/2024
Supervised By :mohammad
ahmed

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#83

Chrysene

Concen: 34.476 ng

RT: 14.086 min Scan# 2039

Delta R.T. 0.000 min

Lab File: BF140310.D

Acq: 08 Nov 2024 20:14

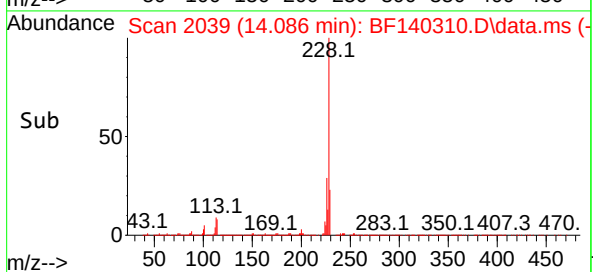
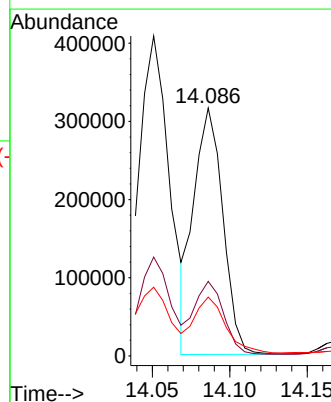
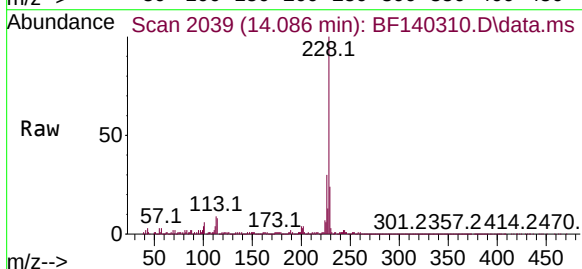
Tgt Ion:228 Resp: 411914

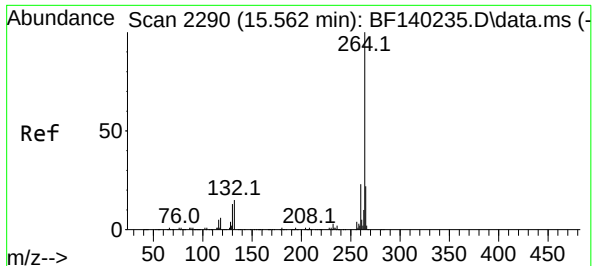
Ion Ratio Lower Upper

228 100

226 30.1 24.6 36.8

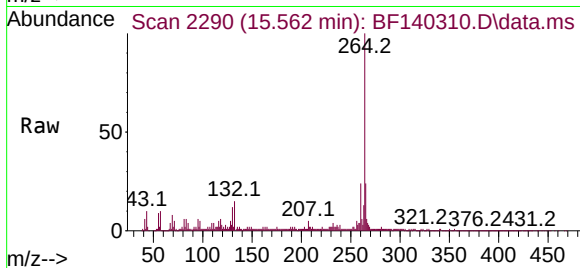
229 23.7 16.1 24.1





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.562 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF140310.D
Acq: 08 Nov 2024 20:14

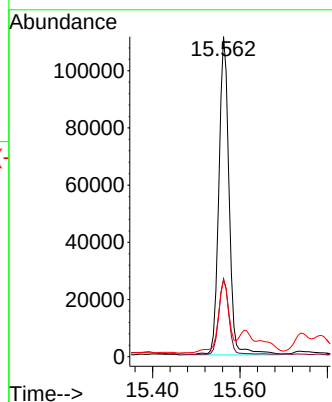
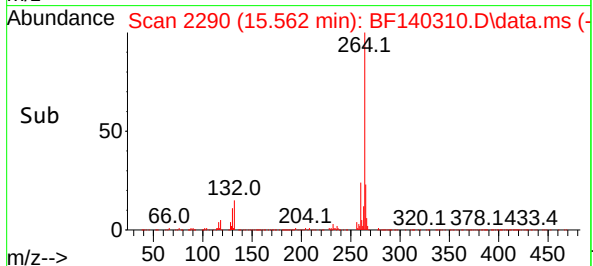
Instrument :
BNA_F
ClientSampleId :
B-6-2



Tgt Ion:264 Resp: 18064
Ion Ratio Lower Upper
264 100
260 24.4 18.8 28.2
265 23.9 17.3 25.9

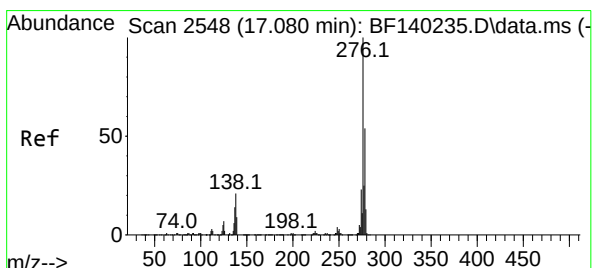
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel



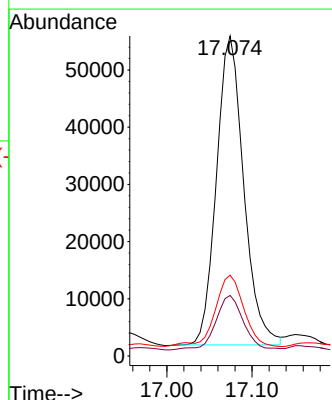
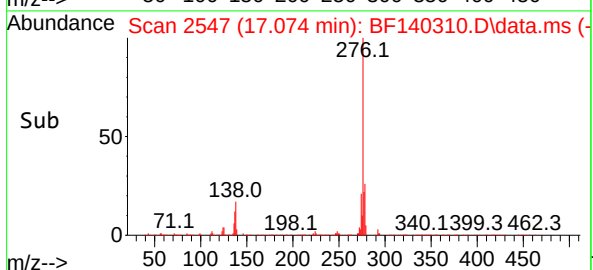
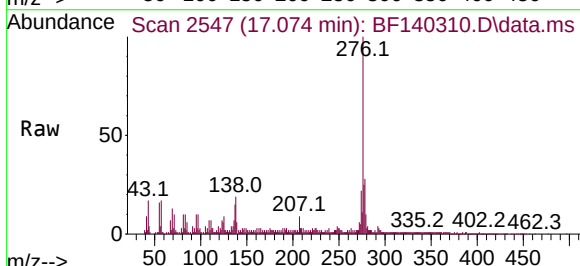
11/10/2024
Supervised By :mohammad
ahmed

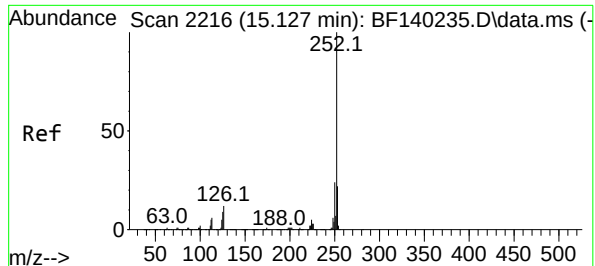
11/11/2024



#87
Indeno(1,2,3-cd)pyrene
Concen: 11.331 ng
RT: 17.074 min Scan# 2547
Delta R.T. -0.006 min
Lab File: BF140310.D
Acq: 08 Nov 2024 20:14

Tgt Ion:276 Resp: 120151
Ion Ratio Lower Upper
276 100
138 17.9 17.6 26.4
277 24.2 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 33.547 ng m

RT: 15.127 min Scan# 2216

Delta R.T. 0.000 min

Lab File: BF140310.D

Acq: 08 Nov 2024 20:14

Instrument :

BNA_F

ClientSampleId :

B-6-2

Tgt Ion:252 Resp: 366560

Ion Ratio Lower Upper

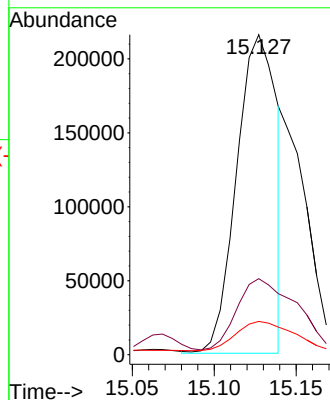
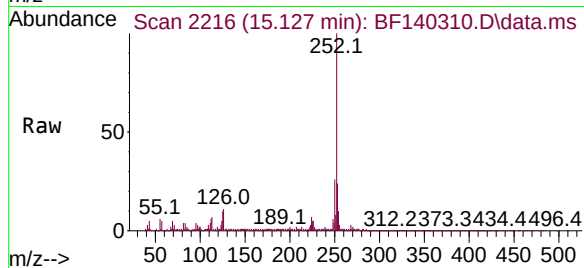
252 100

253 23.8 17.9 26.9

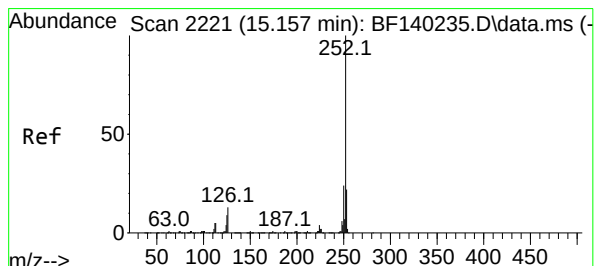
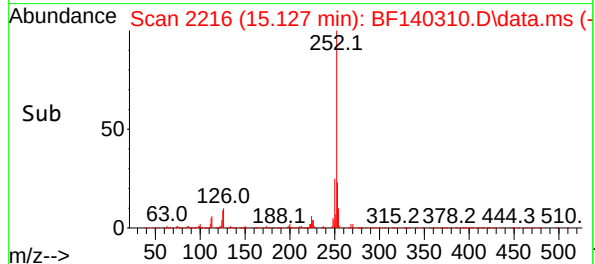
125 10.4 7.0 10.6

Manual Integrations

APPROVED

Reviewed By :Yogesh
Patel11/10/2024
Supervised By :mohammad
ahmed

11/11/2024



#89

Benzo(k)fluoranthene

Concen: 16.714 ng m

RT: 15.139 min Scan# 2218

Delta R.T. -0.018 min

Lab File: BF140310.D

Acq: 08 Nov 2024 20:14

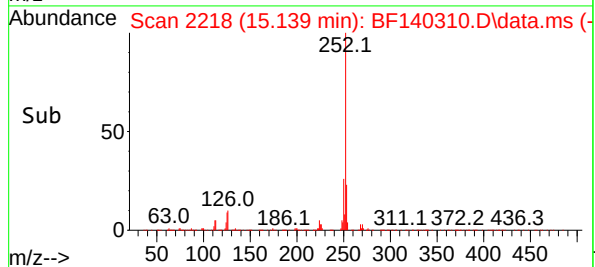
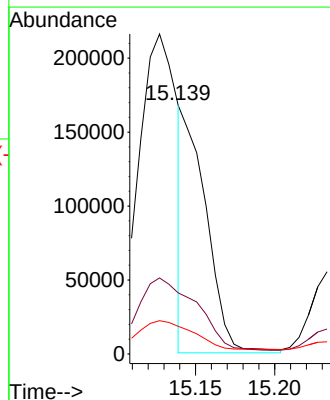
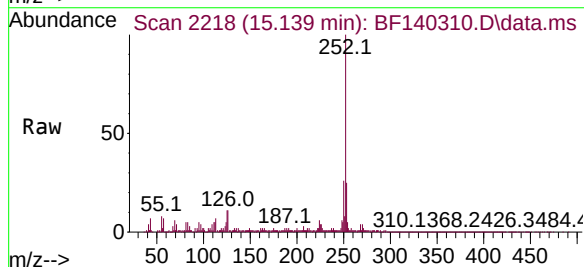
Tgt Ion:252 Resp: 167585

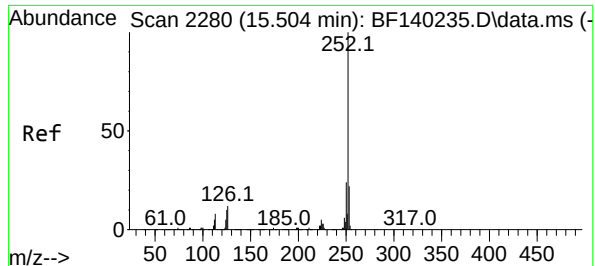
Ion Ratio Lower Upper

252 100

253 24.5 17.8 26.8

125 11.2 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 30.825 ng

RT: 15.498 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF140310.D

Acq: 08 Nov 2024 20:14

Instrument :

BNA_F

ClientSampleId :

B-6-2

Tgt Ion:252 Resp: 277704

Ion Ratio Lower Upper

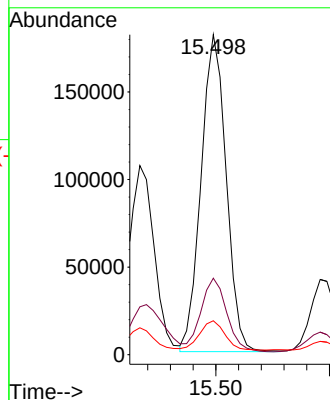
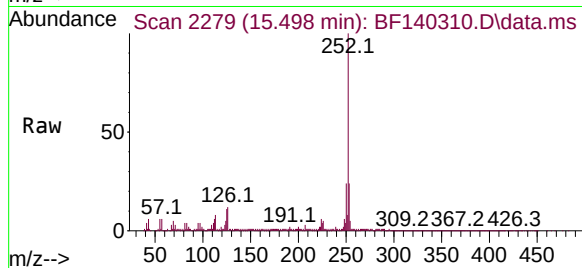
252 100

253 23.9 17.4 26.0

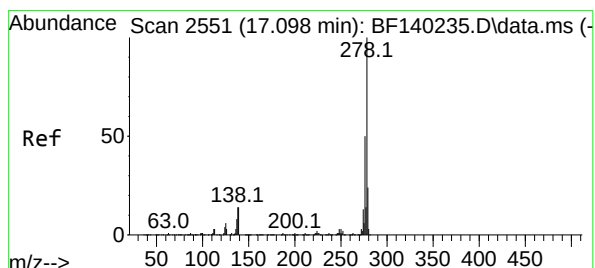
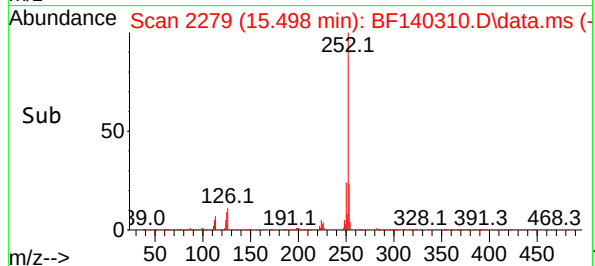
125 10.6 7.6 11.4

Manual Integrations

APPROVED

Reviewed By :Yogesh
Patel11/10/2024
Supervised By :mohammad
ahmed

11/11/2024



#91

Dibenzo(a,h)anthracene

Concen: 4.129 ng

RT: 17.080 min Scan# 2548

Delta R.T. -0.018 min

Lab File: BF140310.D

Acq: 08 Nov 2024 20:14

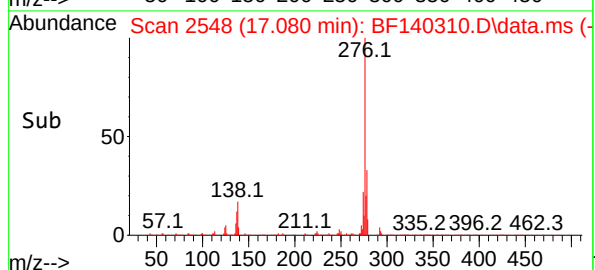
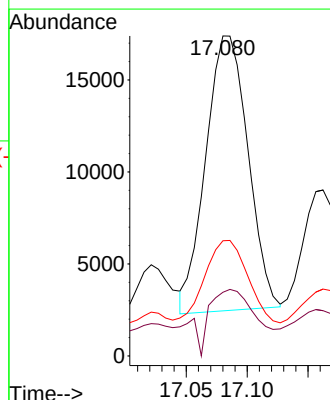
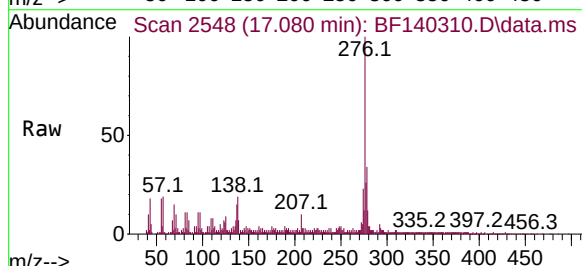
Tgt Ion:278 Resp: 36020

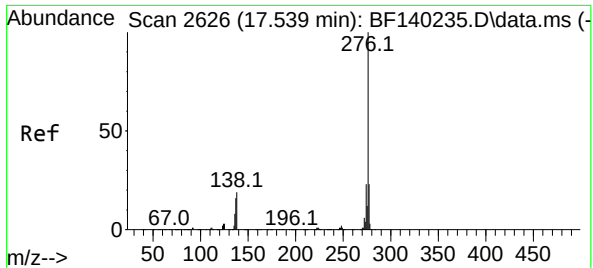
Ion Ratio Lower Upper

278 100

139 19.9 11.1 16.7#

279 36.0 19.1 28.7#





#92

Benzo(g,h,i)perylene

Concen: 10.712 ng

RT: 17.533 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF140310.D

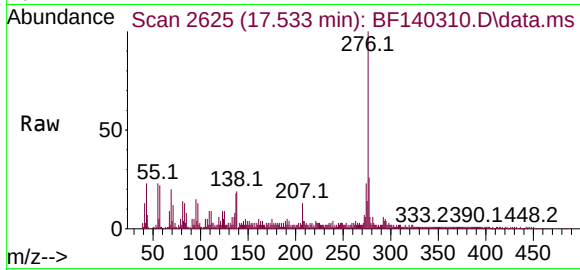
Acq: 08 Nov 2024 20:14

Instrument :

BNA_F

ClientSampleId :

B-6-2



Tgt Ion: 276 Resp: 9533

Ion Ratio Lower Upper

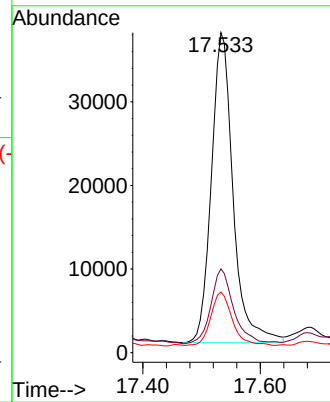
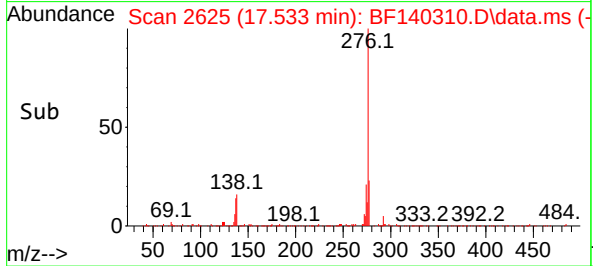
276 100

277 26.2 18.8 28.2

138 19.0 15.3 22.9

Manual Integrations

APPROVED

Reviewed By : Yogesh
Patel11/10/2024
Supervised By : mohammad
ahmed

11/11/2024

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
 Data File : BF140310.D
 Acq On : 08 Nov 2024 20:14
 Operator : RC/JU
 Sample : P4768-06
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-6-2

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF140310.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.146	3	9	22	rVB	1269868	1993794	63.29%	4.480%
2	2.252	22	27	38	rVB2	41693	75116	2.38%	0.169%
3	3.399	216	222	231	rBV	11671	33625	1.07%	0.076%
4	3.963	307	318	326	rVB	37364	62553	1.99%	0.141%
5	5.093	506	510	518	rVB	70417	103920	3.30%	0.233%
6	5.304	539	546	552	rBV2	21210	38154	1.21%	0.086%
7	5.369	552	557	561	rBV	58055	79645	2.53%	0.179%
8	5.493	569	578	589	rBV2	1434733	2231362	70.84%	5.013%
9	5.734	615	619	625	rVB	79514	107362	3.41%	0.241%
10	5.793	625	629	642	rVB	72977	100095	3.18%	0.225%
11	5.904	642	648	652	rBV3	23761	44613	1.42%	0.100%
12	6.134	681	687	693	rBV3	27108	50659	1.61%	0.114%
13	6.410	730	734	741	rVB3	30382	51734	1.64%	0.116%
14	6.498	741	749	757	rBV	1366523	1895384	60.17%	4.259%
15	6.710	780	785	793	rBV2	101469	138495	4.40%	0.311%
16	6.881	808	814	819	rVB	536296	676675	21.48%	1.520%
17	7.151	849	860	863	rBV4	21717	45133	1.43%	0.101%
18	7.275	874	881	890	rBV6	29599	63164	2.01%	0.142%
19	7.434	899	908	912	rBV	874113	1159238	36.80%	2.605%
20	7.469	912	914	918	rVB	57322	60911	1.93%	0.137%
21	7.687	946	951	958	rVB2	32434	51636	1.64%	0.116%
22	8.157	1018	1031	1039	rBV	620671	916991	29.11%	2.060%
23	8.869	1148	1152	1158	rVB	34076	42326	1.34%	0.095%
24	8.969	1165	1169	1174	rBV	30404	35778	1.14%	0.080%
25	9.233	1208	1214	1219	rBV	1639407	2002465	63.57%	4.499%
26	9.498	1253	1259	1265	rBV	71587	115293	3.66%	0.259%
27	9.575	1265	1272	1274	rBV	102331	146035	4.64%	0.328%
28	9.598	1274	1276	1280	rVB	58562	64041	2.03%	0.144%
29	9.692	1287	1292	1301	rVB	47863	89449	2.84%	0.201%
30	9.775	1301	1306	1313	rBV	227874	291494	9.25%	0.655%
31	9.916	1322	1330	1334	rBV	637641	823465	26.14%	1.850%
32	9.951	1334	1336	1339	rVB2	54921	54445	1.73%	0.122%
33	10.122	1360	1365	1368	rBV	156599	204832	6.50%	0.460%
34	10.157	1368	1371	1379	rVB	77327	98910	3.14%	0.222%
35	10.233	1379	1384	1386	rBV2	77130	104905	3.33%	0.236%
36	10.263	1386	1389	1394	rVB	60504	75720	2.40%	0.170%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140310.D
Acq On : 08 Nov 2024 20:14
Operator : RC/JU
Sample : P4768-06
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-6-2

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	10.328	1394	1400	1405	rBV2	59291	140480	4.46%	0.316%
38	10.463	1419	1423	1429	rVB2	200466	296306	9.41%	0.666%
39	10.528	1429	1434	1437	rBV	28263	57823	1.84%	0.130%
40	10.627	1445	1451	1458	rVB	397835	537950	17.08%	1.209%

41	10.704	1459	1464	1469	rVV	1013362	1379291	43.79%	3.099%
42	10.751	1469	1472	1477	rVV2	53309	78118	2.48%	0.176%
43	10.827	1481	1485	1491	rVB3	65140	96160	3.05%	0.216%
44	10.939	1500	1504	1508	rVB4	35963	51065	1.62%	0.115%
45	11.016	1511	1517	1520	rBV2	105173	161572	5.13%	0.363%

46	11.098	1528	1531	1534	rVB	35250	43297	1.37%	0.097%
47	11.145	1534	1539	1541	rBV2	130737	203289	6.45%	0.457%
48	11.210	1547	1550	1554	rVB	101848	127655	4.05%	0.287%
49	11.257	1554	1558	1562	rVV	131113	190917	6.06%	0.429%
50	11.304	1562	1566	1572	rVB	123744	181489	5.76%	0.408%

51	11.433	1579	1588	1593	rBV2	1844180	3150052	100.00%	7.078%
52	11.486	1593	1597	1600	rVV	519035	682614	21.67%	1.534%
53	11.516	1600	1602	1607	rVB2	71684	85520	2.71%	0.192%
54	11.639	1617	1623	1625	rBV2	89311	149961	4.76%	0.337%
55	11.704	1631	1634	1637	rVV2	41374	48128	1.53%	0.108%

56	11.739	1637	1640	1645	rVB5	78821	113774	3.61%	0.256%
57	11.863	1658	1661	1664	rBV	40869	46584	1.48%	0.105%
58	11.910	1664	1669	1671	rBV	392214	527400	16.74%	1.185%
59	11.939	1671	1674	1678	rVB	706200	899758	28.56%	2.022%
60	11.986	1678	1682	1685	rBV	237250	287020	9.11%	0.645%

61	12.027	1685	1689	1696	rVB2	528857	1024791	32.53%	2.303%
62	12.092	1697	1700	1702	rBV3	42447	58822	1.87%	0.132%
63	12.210	1715	1720	1722	rBV	228291	301413	9.57%	0.677%
64	12.233	1722	1724	1730	rVB	128153	141405	4.49%	0.318%
65	12.357	1741	1745	1748	rBV2	95369	136462	4.33%	0.307%

66	12.386	1748	1750	1752	rVV	58918	56229	1.79%	0.126%
67	12.463	1758	1763	1766	rBV	262533	402421	12.78%	0.904%
68	12.504	1766	1770	1775	rVV2	183723	416353	13.22%	0.935%
69	12.551	1775	1778	1784	rVB	272675	376147	11.94%	0.845%
70	12.627	1786	1791	1796	rBV	2288301	3021970	95.93%	6.790%

71	12.692	1796	1802	1804	rBV2	72725	134383	4.27%	0.302%
72	12.721	1804	1807	1810	rVB	165325	179134	5.69%	0.402%
73	12.857	1823	1830	1835	rBV2	1793005	2952158	93.72%	6.633%
74	12.904	1835	1838	1844	rVB2	189533	283972	9.01%	0.638%
75	12.998	1846	1854	1861	rVB2	1563151	2439660	77.45%	5.481%

76	13.074	1861	1867	1874	rBV5	291723	623759	19.80%	1.401%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140310.D
Acq On : 08 Nov 2024 20:14
Operator : RC/JU
Sample : P4768-06
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-6-2

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	13.163	1878	1882	1883	rBV2	207209	251147	7.97%	0.564%
78	13.286	1899	1903	1910	rVB2	340661	488370	15.50%	1.097%
79	13.380	1916	1919	1922	rBV	99229	116086	3.69%	0.261%
80	13.416	1922	1925	1932	rVB2	122538	175360	5.57%	0.394%
81	13.692	1968	1972	1977	rBV	314967	416680	13.23%	0.936%
82	13.804	1987	1991	1994	rBV2	171609	277908	8.82%	0.624%
83	13.904	2004	2008	2015	rVB	321547	490820	15.58%	1.103%
84	14.051	2028	2033	2037	rBV2	1220864	2120016	67.30%	4.763%
85	14.086	2037	2039	2046	rVB	758205	936197	29.72%	2.103%
86	14.451	2098	2101	2105	rBV	170208	203354	6.46%	0.457%
87	15.127	2211	2216	2224	rBV	552711	1286157	40.83%	2.890%
88	15.433	2265	2268	2274	rVB	261947	429867	13.65%	0.966%
89	15.498	2275	2279	2285	rVB	433100	662623	21.04%	1.489%
90	15.562	2286	2290	2294	rBV	263942	438342	13.92%	0.985%

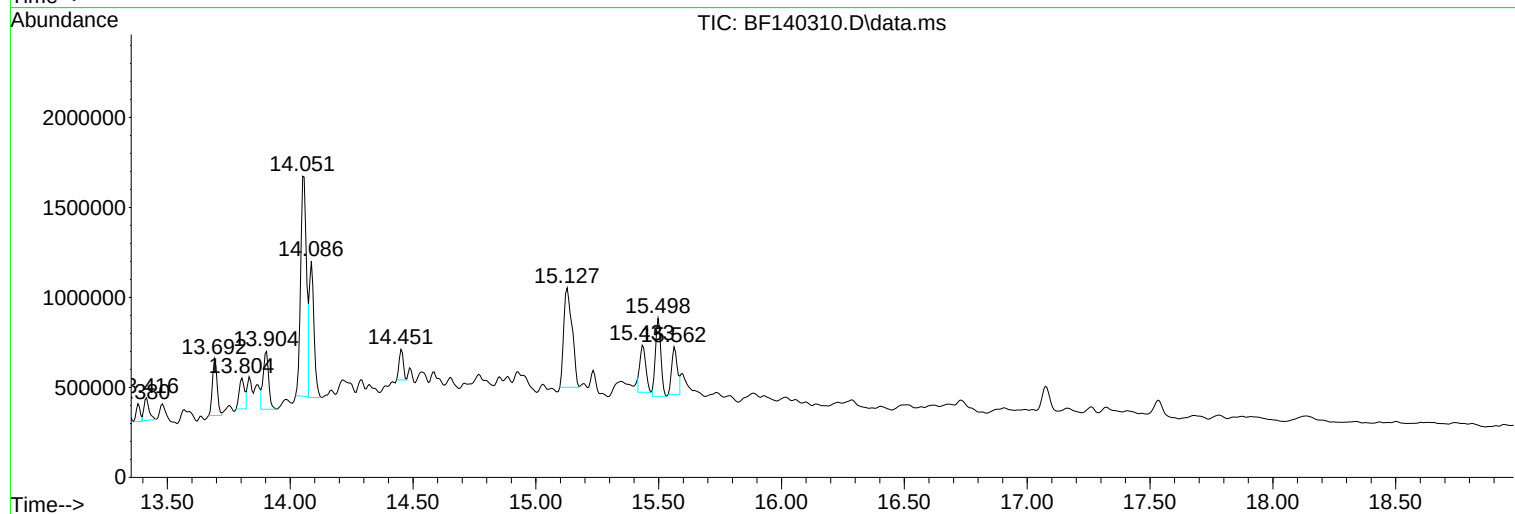
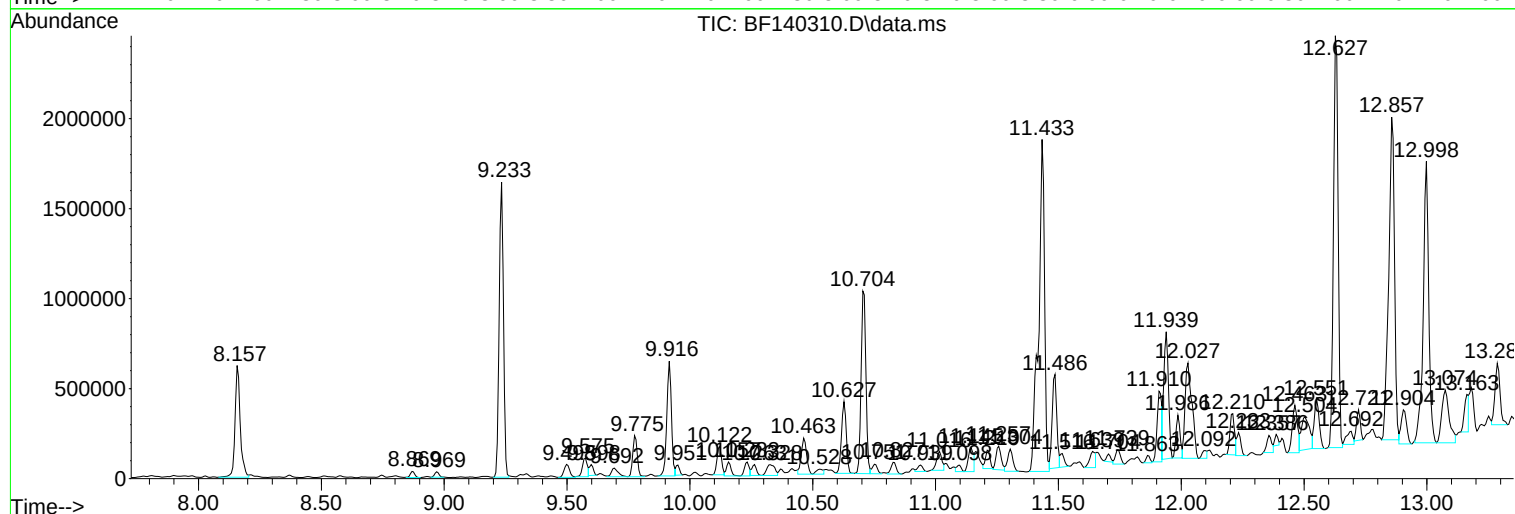
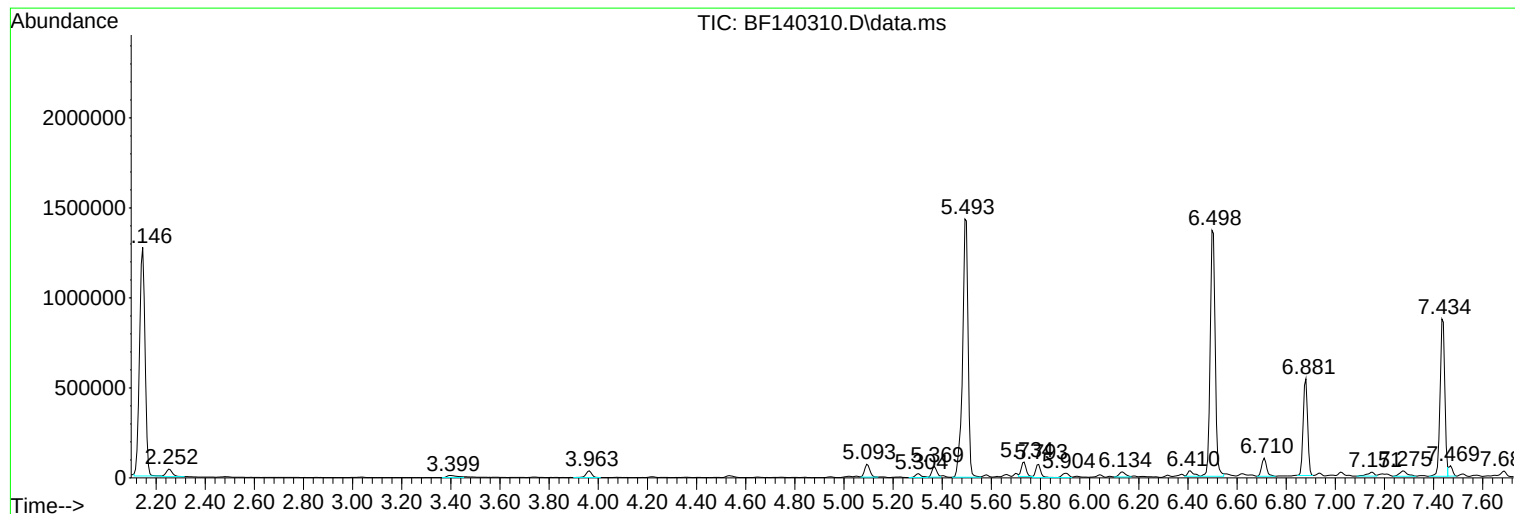
Sum of corrected areas: 44507646

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140310.D
Acq On : 08 Nov 2024 20:14
Operator : RC/JU
Sample : P4768-06
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-6-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140310.D
Acq On : 08 Nov 2024 20:14
Operator : RC/JU
Sample : P4768-06
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-6-2

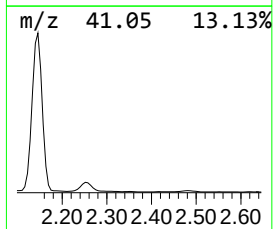
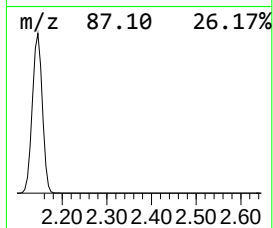
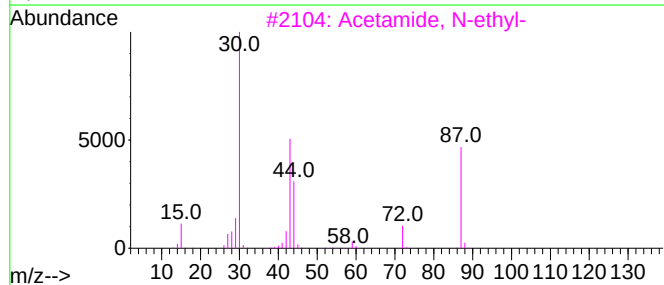
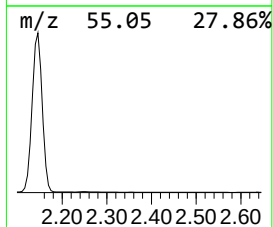
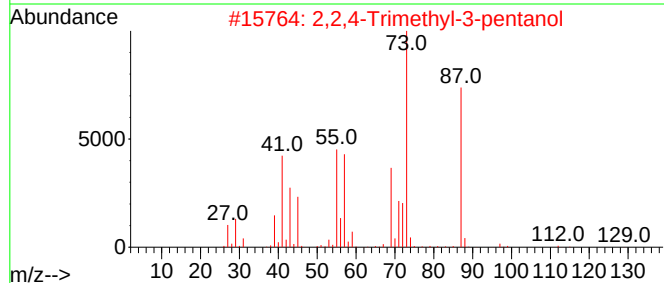
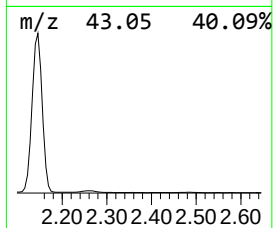
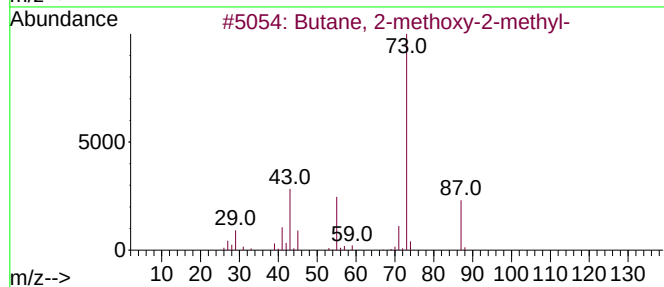
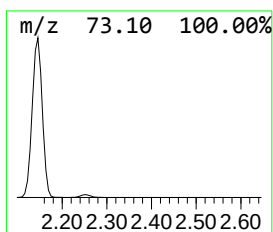
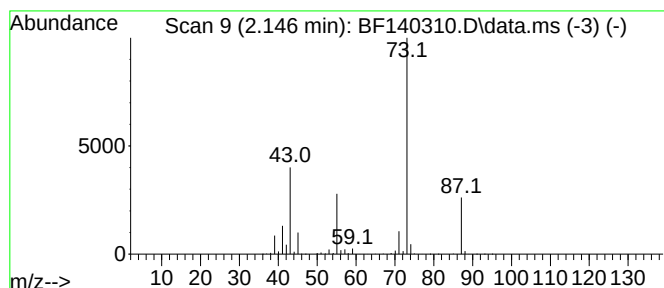
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.146	58.93 ng	1993790	1,4-Dichlorobenzene-d4	6.881

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3			Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	27
4			1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
5			Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	17



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140310.D
Acq On : 08 Nov 2024 20:14
Operator : RC/JU
Sample : P4768-06
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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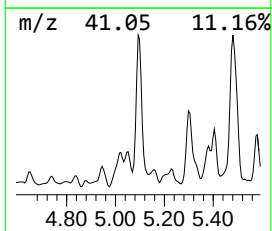
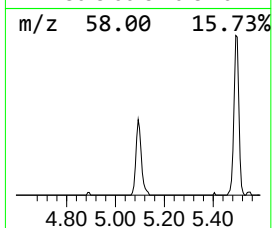
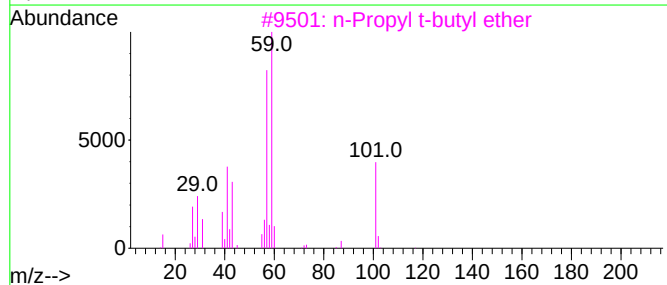
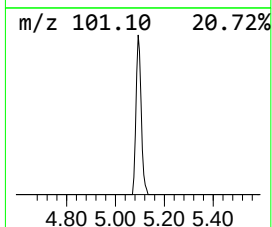
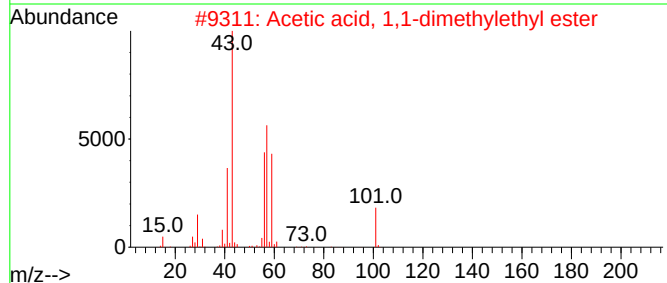
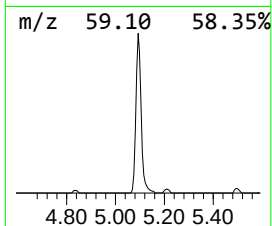
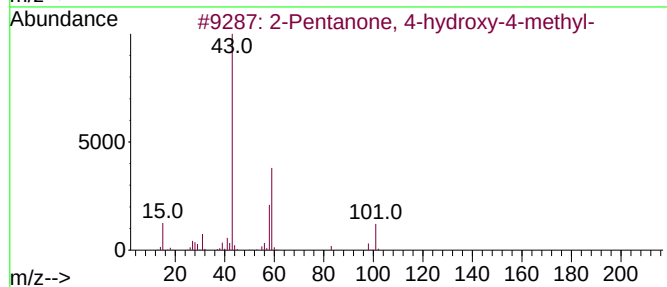
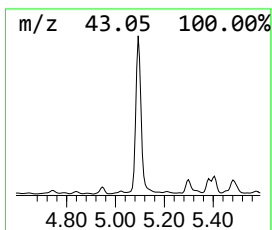
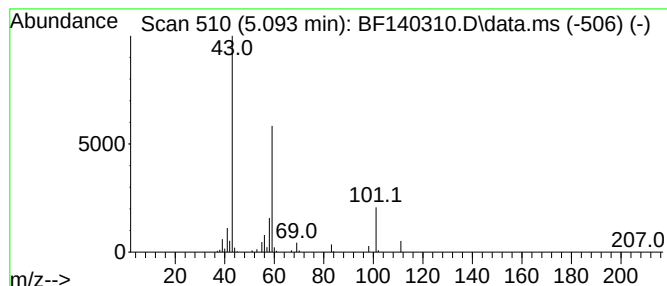
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.093	3.07 ng	103920	1,4-Dichlorobenzene-d4	6.881

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2			Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	36
3			n-Propyl t-butyl ether	116	C7H16O	1000334-81-9	28
4			2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28
5			3-Pentanol, 2-methyl-	102	C6H14O	000565-67-3	25



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140310.D
Acq On : 08 Nov 2024 20:14
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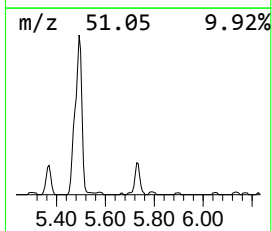
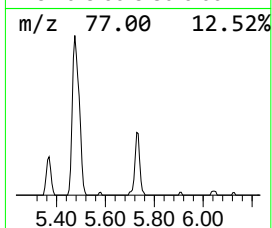
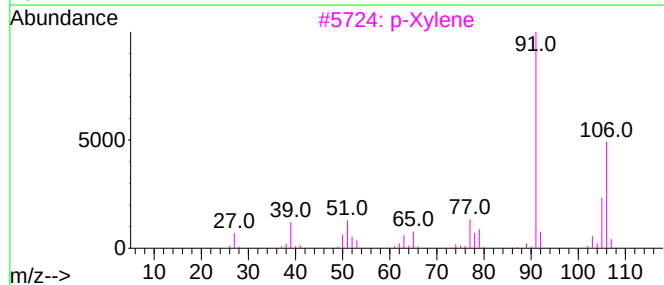
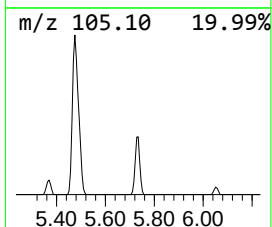
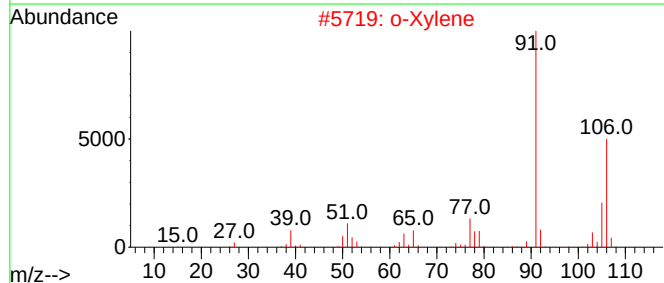
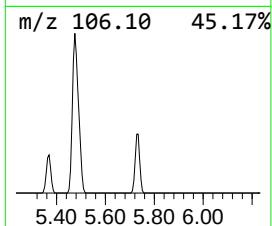
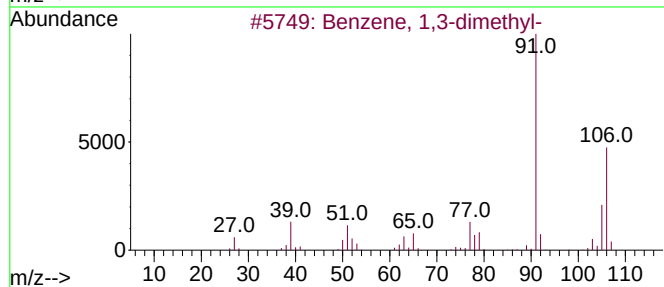
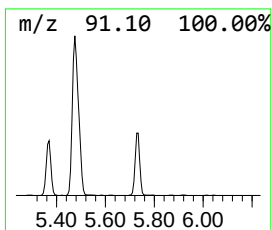
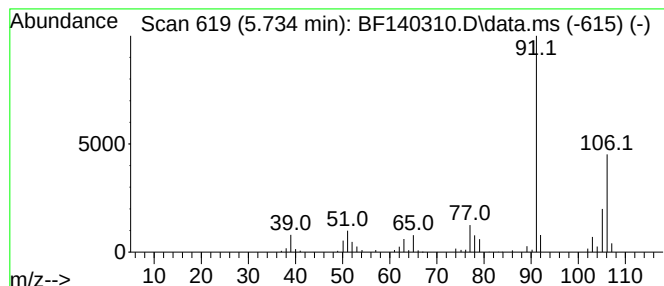
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Benzene, 1,3-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.734	3.17 ng	107362	1,4-Dichlorobenzene-d4	6.881

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	97
2			o-Xylene	106	C8H10	000095-47-6	97
3			p-Xylene	106	C8H10	000106-42-3	97
4			Ethylbenzene	106	C8H10	000100-41-4	87
5			Cyclopentene, 1-ethenyl-3-methyl...	106	C8H10	061142-07-2	86



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140310.D
Acq On : 08 Nov 2024 20:14
Operator : RC/JU
Sample : P4768-06
Misc :
ALS Vial : 26 Sample Multiplier: 1

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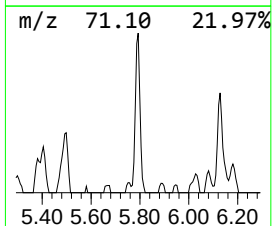
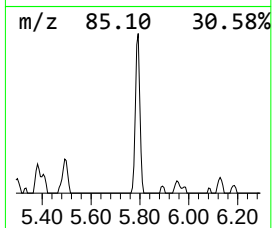
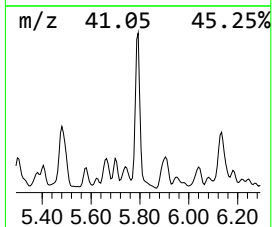
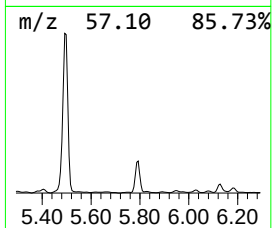
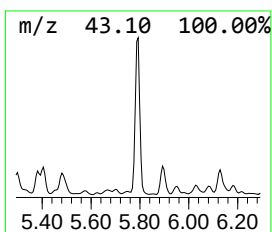
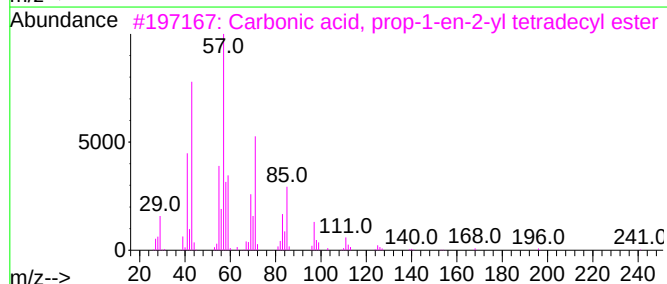
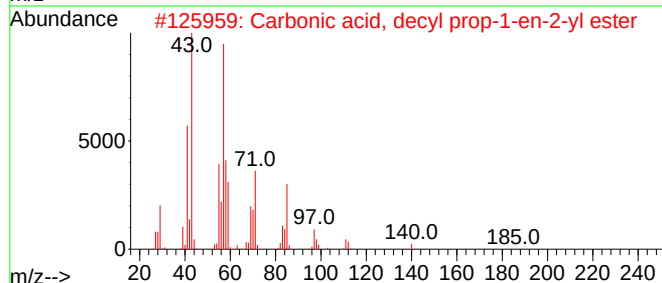
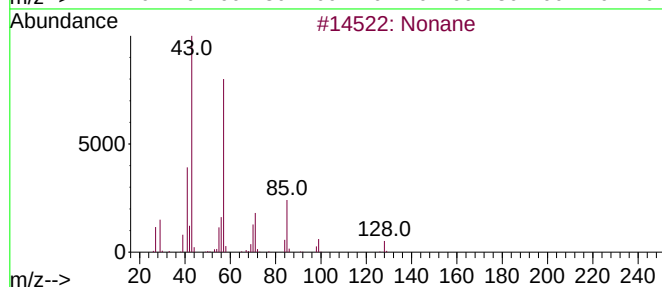
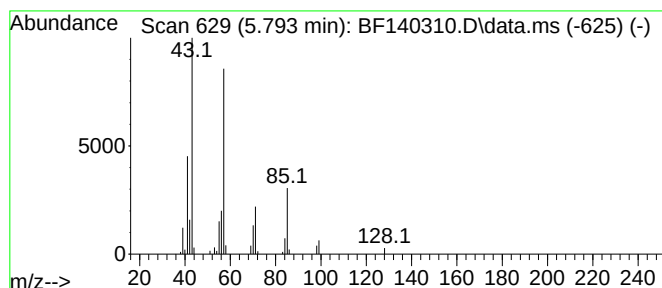
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Nonane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.793	2.96 ng	100095	1,4-Dichlorobenzene-d4	6.881

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonane	128	C9H20	000111-84-2	91
2			Carbonic acid, decyl prop-1-en-2...	242	C14H26O3	1000382-90-5	83
3			Carbonic acid, prop-1-en-2-yl te...	298	C18H34O3	1000382-90-9	64
4			Octane	114	C8H18	000111-65-9	64
5			Decane	142	C10H22	000124-18-5	59



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140310.D
Acq On : 08 Nov 2024 20:14
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Sample : P4768-06
Misc :
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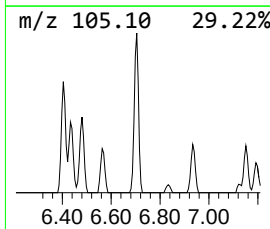
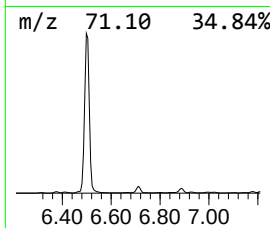
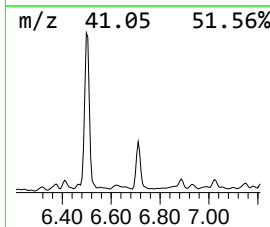
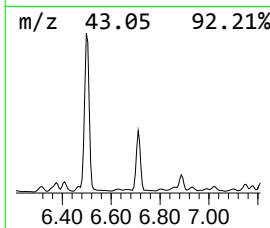
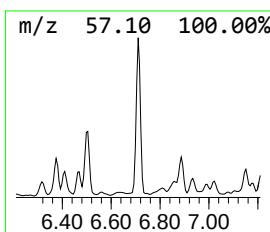
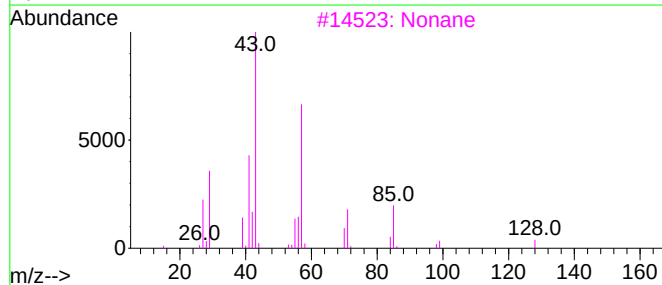
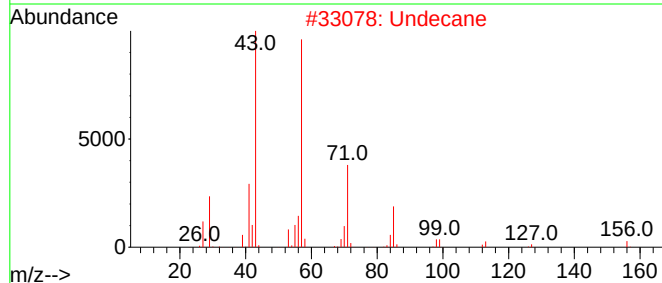
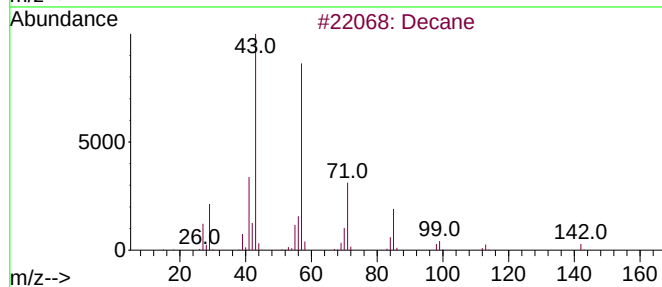
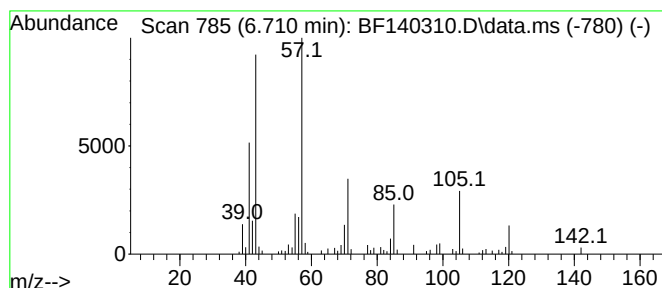
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Decane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.710	4.09 ng	138495	1,4-Dichlorobenzene-d4	6.881

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane	142	C10H22	000124-18-5	94
2			Undecane	156	C11H24	001120-21-4	59
3			Nonane	128	C9H20	000111-84-2	58
4			Carbonic acid, decyl vinyl ester	228	C13H24O3	1000383-25-7	53
5			Octane, 4-ethyl-	142	C10H22	015869-86-0	52



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140310.D
Acq On : 08 Nov 2024 20:14
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Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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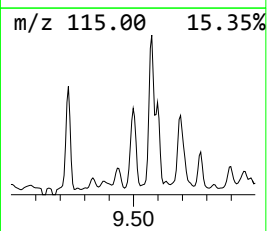
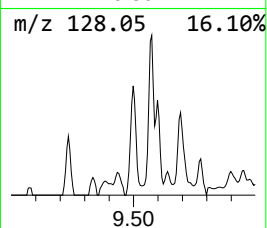
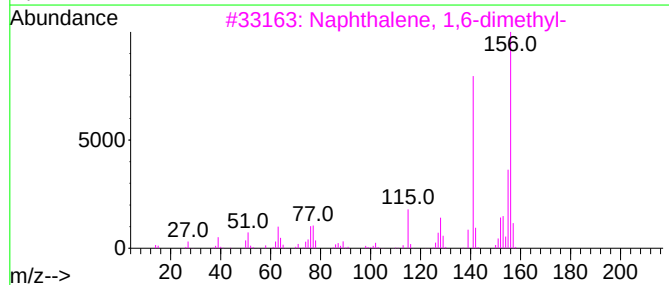
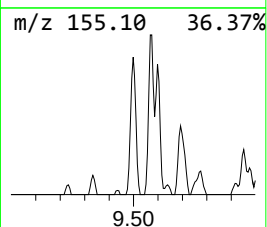
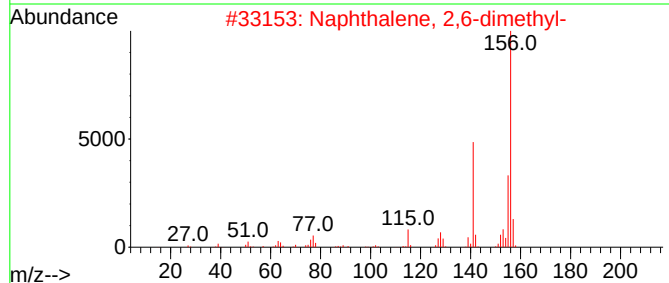
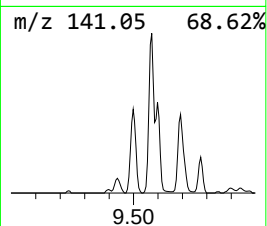
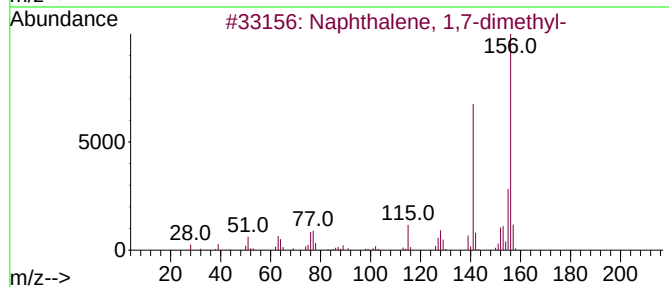
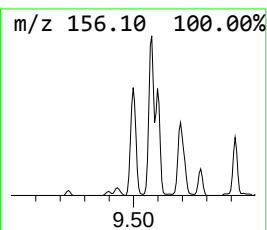
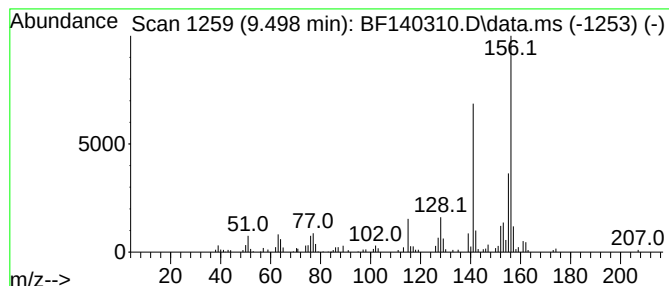
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Naphthalene, 1,7-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.498	2.80 ng	115293	Acenaphthene-d10	9.916

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
2			Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
3			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4			Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96
5			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
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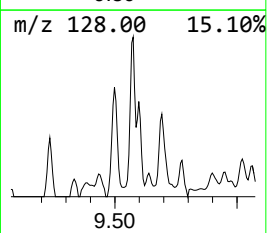
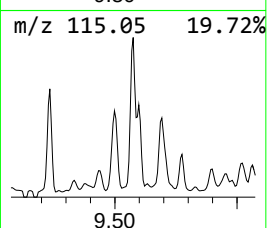
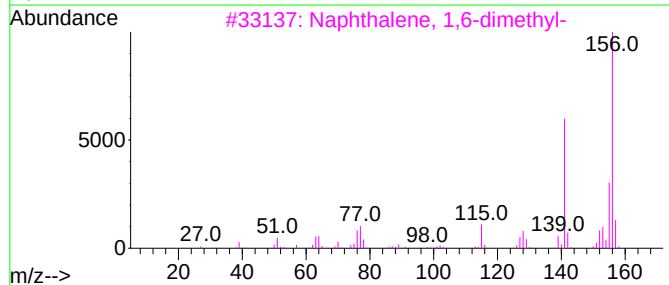
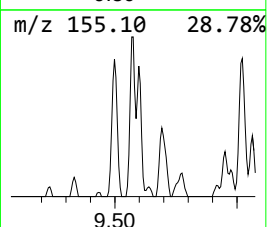
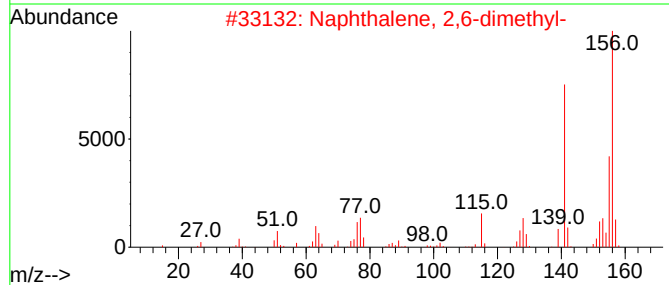
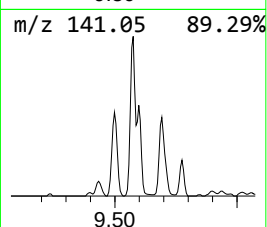
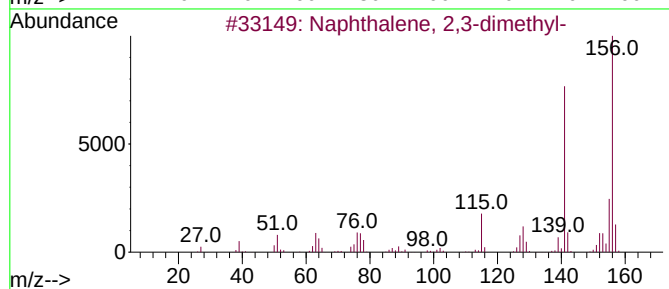
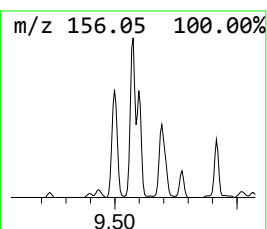
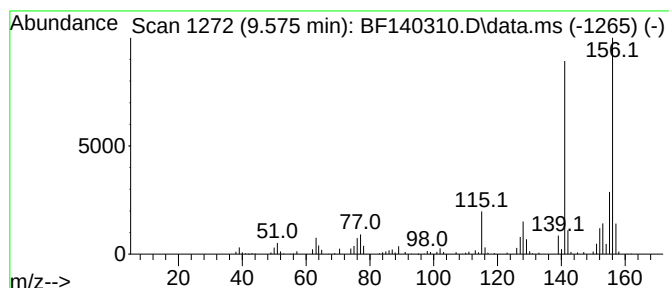
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Naphthalene, 2,3-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
9.575	3.55 ng	146035	Acenaphthene-d10	9.916	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	97



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140310.D
Acq On : 08 Nov 2024 20:14
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Sample : P4768-06
Misc :
ALS Vial : 26 Sample Multiplier: 1

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ClientSampleId :
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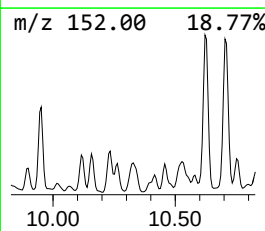
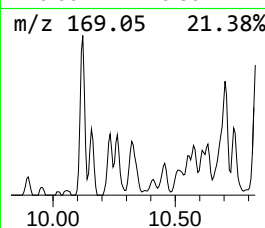
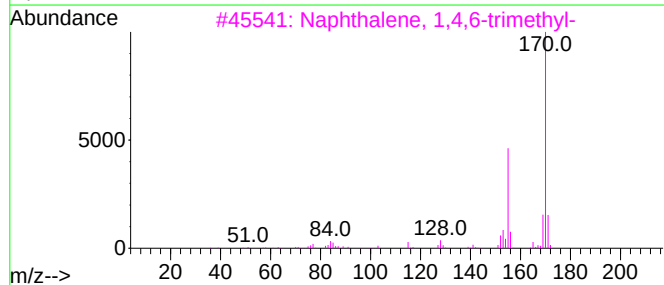
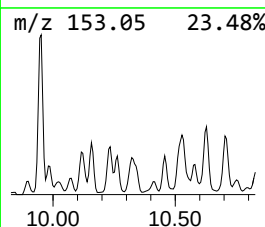
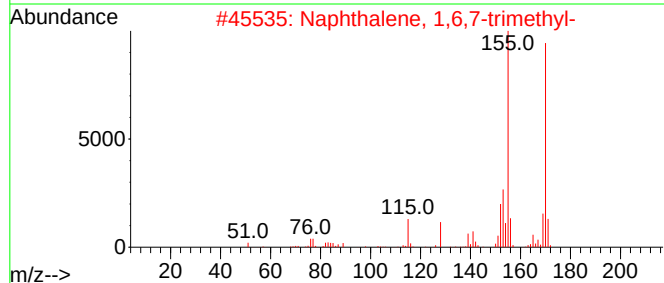
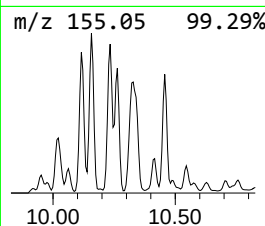
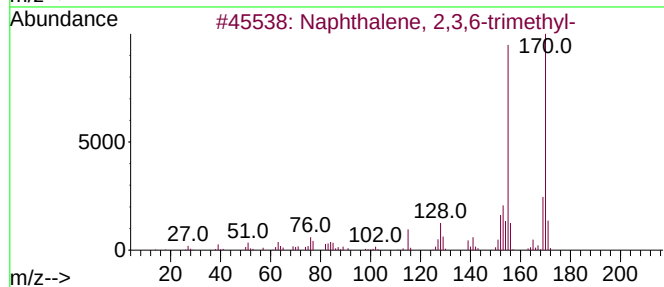
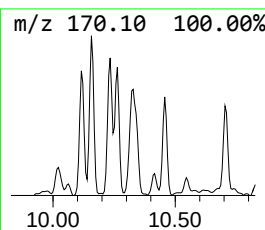
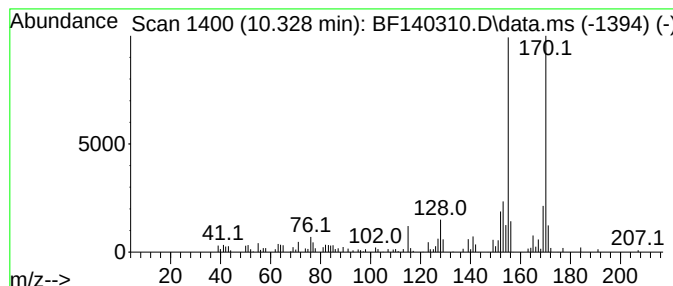
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Naphthalene, 2,3,6-trimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.328	3.41 ng	140480	Acenaphthene-d10	9.916

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
2			Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	98
3			Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	97
4			Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	96
5			4,6,8-Trimethylazulene	170	C13H14	000941-81-1	94



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140310.D
Acq On : 08 Nov 2024 20:14
Operator : RC/JU
Sample : P4768-06
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-6-2

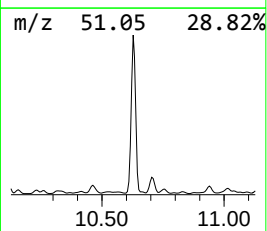
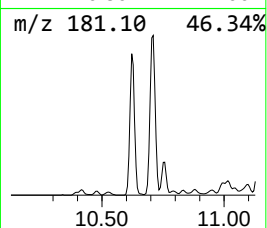
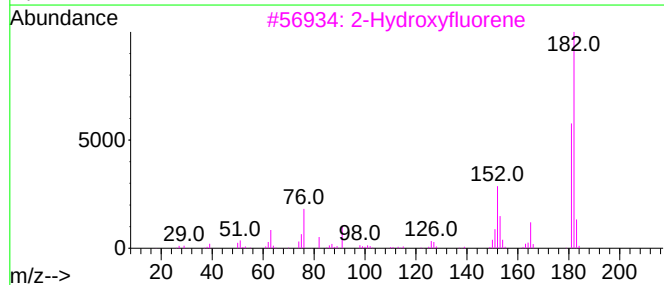
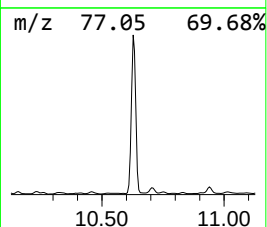
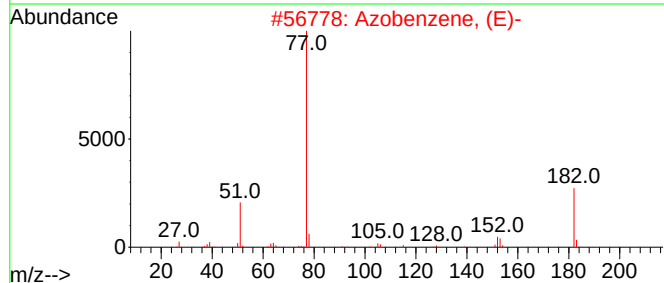
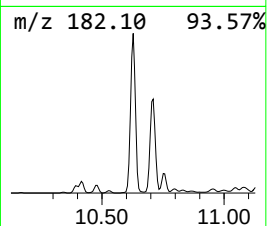
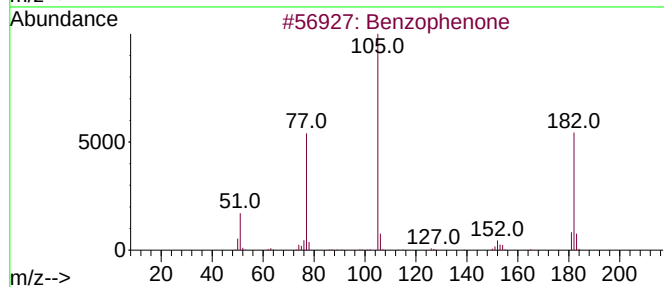
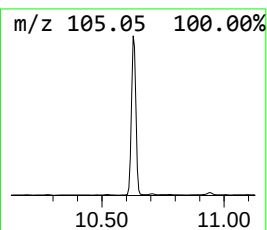
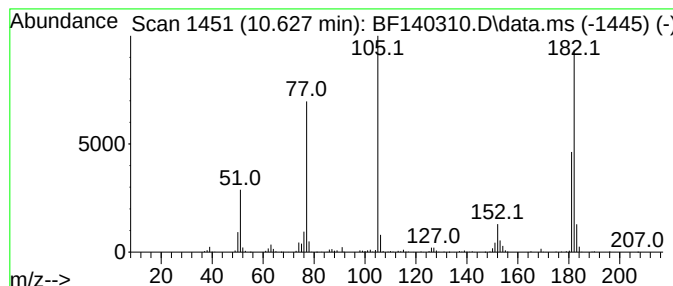
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.628	13.07 ng	537950	Acenaphthene-d10	9.916

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	87
2			Azobenzene, (E)-	182	C12H10N2	017082-12-1	52
3			2-Hydroxyfluorene	182	C13H10O	002443-58-5	52
4			Azobenzene	182	C12H10N2	000103-33-3	50
5			Phenyl 4-pyridyl ketone	183	C12H9NO	014548-46-0	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140310.D
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Sample : P4768-06
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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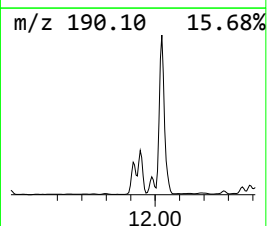
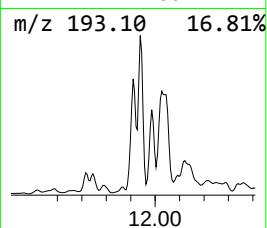
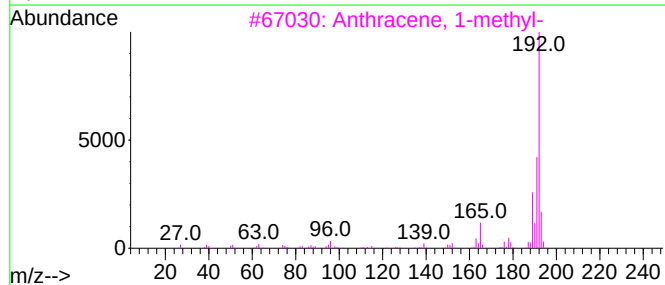
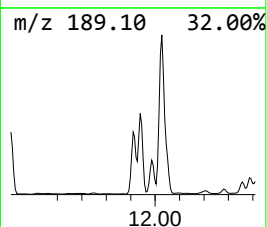
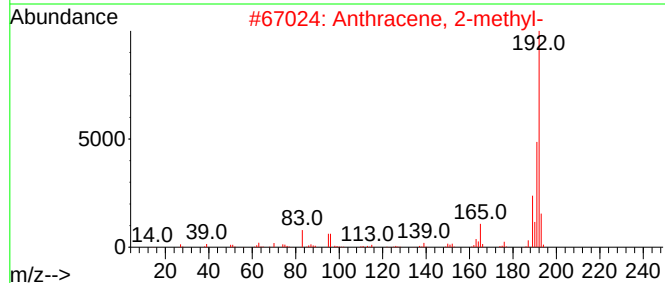
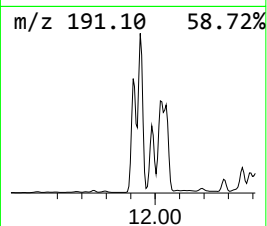
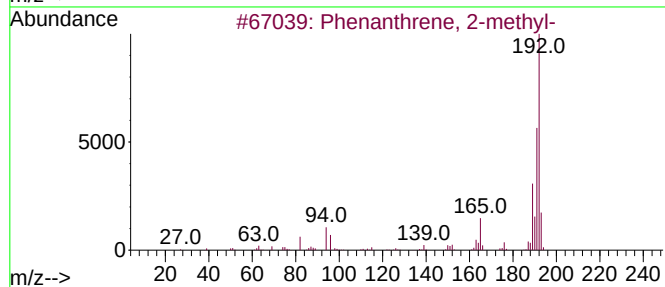
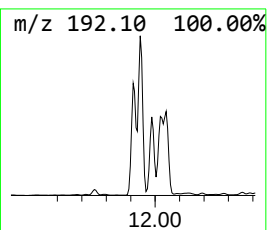
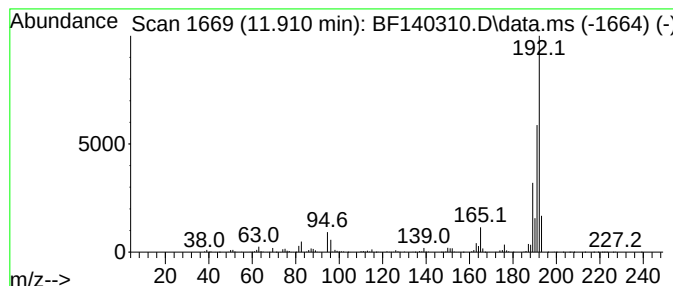
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.910	3.35 ng	527400	Phenanthrene-d10	11.410

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2			Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3			Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
4			Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
5			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140310.D
Acq On : 08 Nov 2024 20:14
Operator : RC/JU
Sample : P4768-06
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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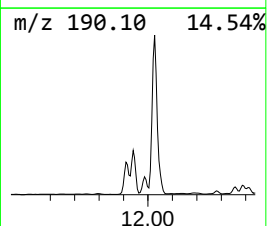
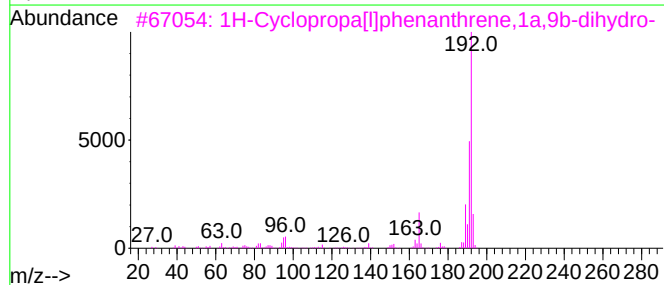
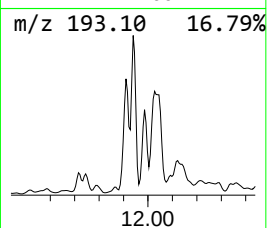
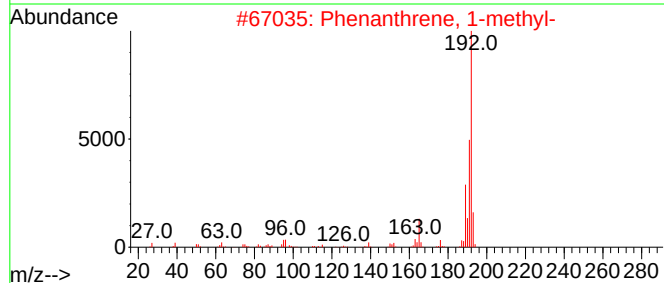
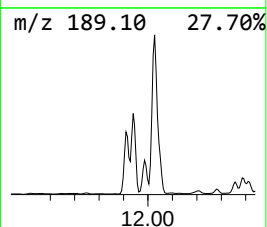
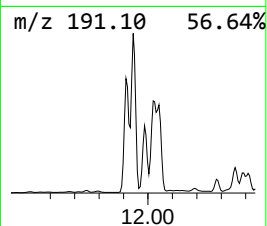
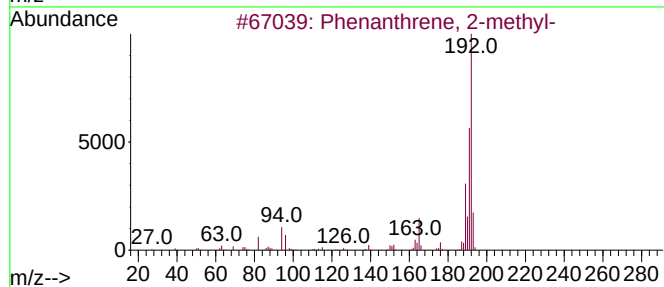
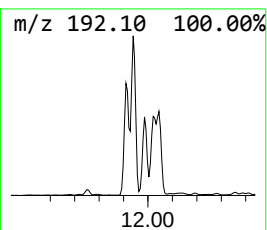
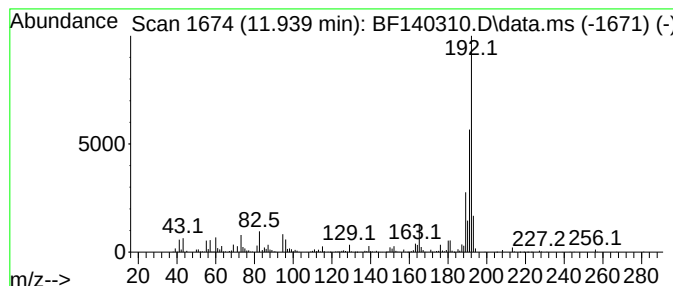
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.939	5.71 ng	899758	Phenanthrene-d10	11.410

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3			1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4			Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5			1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140310.D
Acq On : 08 Nov 2024 20:14
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Sample : P4768-06
Misc :
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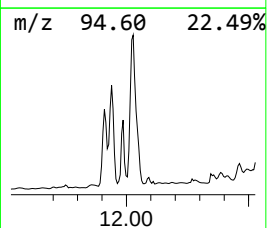
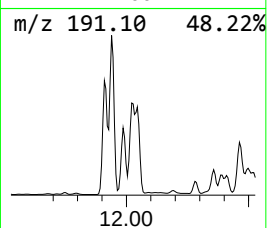
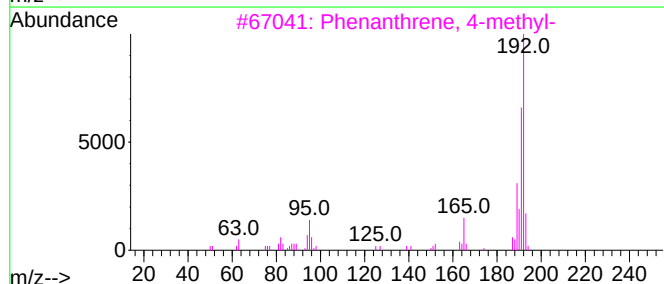
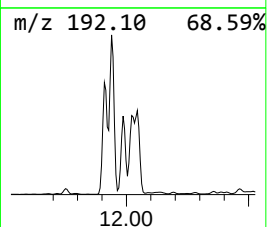
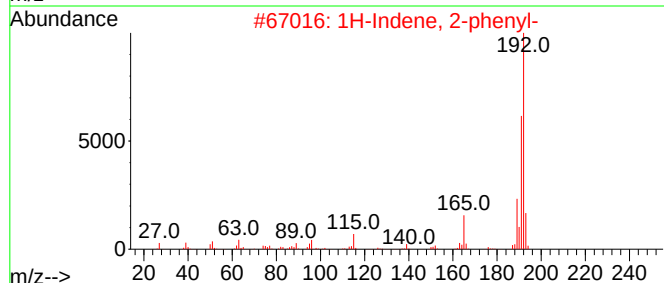
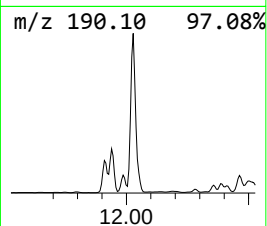
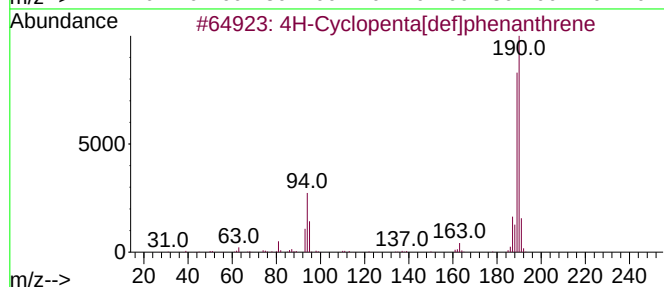
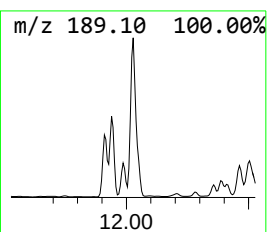
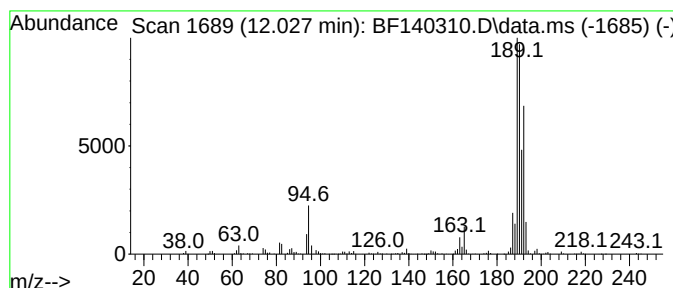
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.027	6.51 ng	1024790	Phenanthrene-d10	11.410

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2			1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	38
3			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	38
4			5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	38
5			3-Bromo-2-furoic acid	190	C5H3BrO3	014903-90-3	27



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
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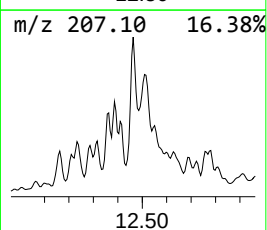
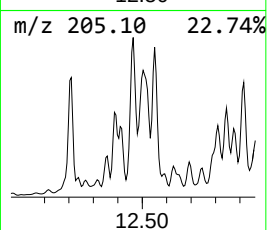
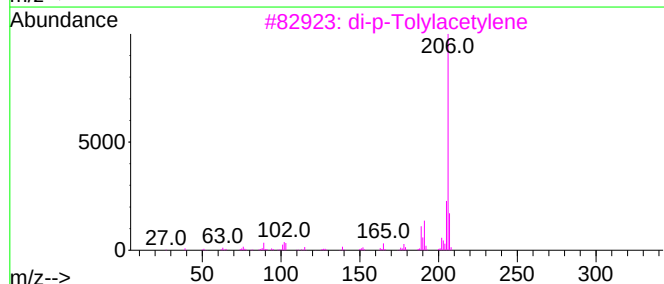
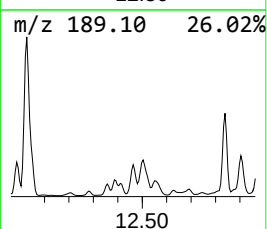
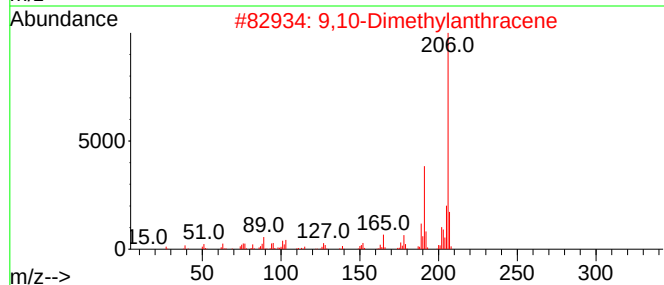
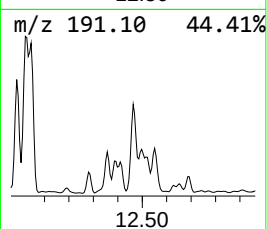
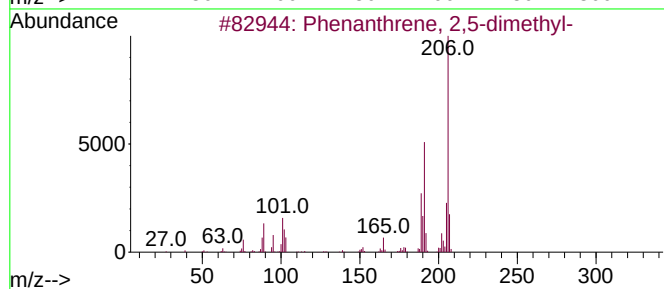
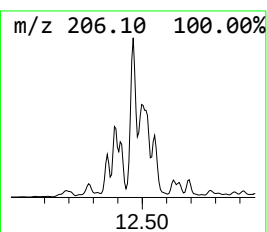
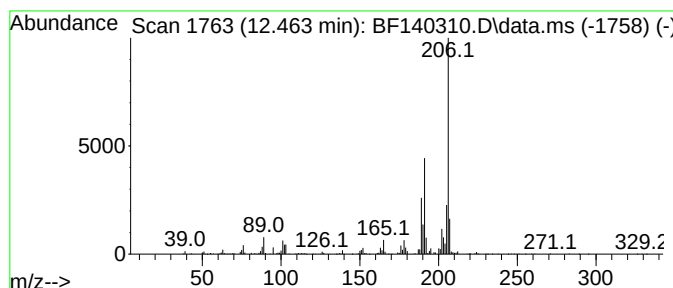
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.463	2.56 ng	402421	Phenanthrene-d10		11.410	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-		206	C16H14	003674-66-6	97
2	9,10-Dimethylanthracene		206	C16H14	000781-43-1	96
3	di-p-Tolylacetylene		206	C16H14	002789-88-0	91
4	Phenanthrene, 2,3-dimethyl-		206	C16H14	003674-65-5	90
5	Phenanthrene, 3,6-dimethyl-		206	C16H14	001576-67-6	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
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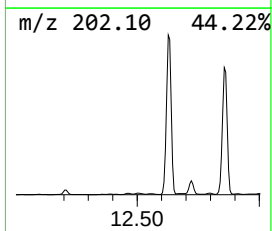
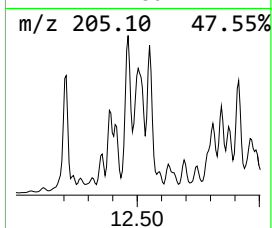
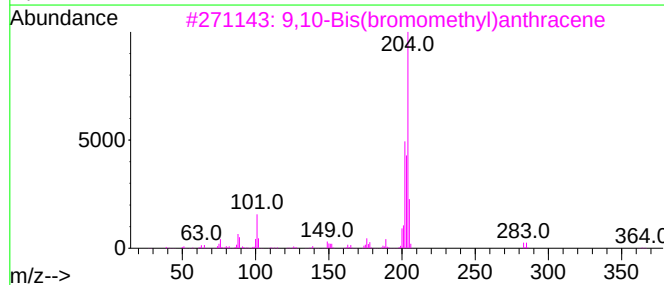
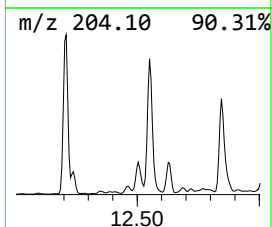
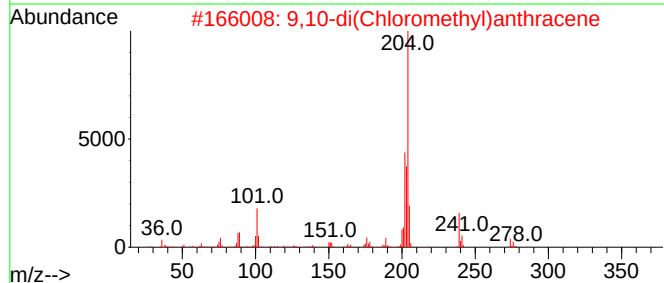
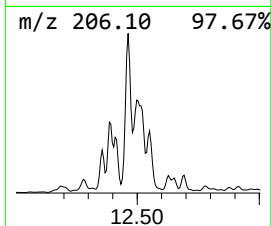
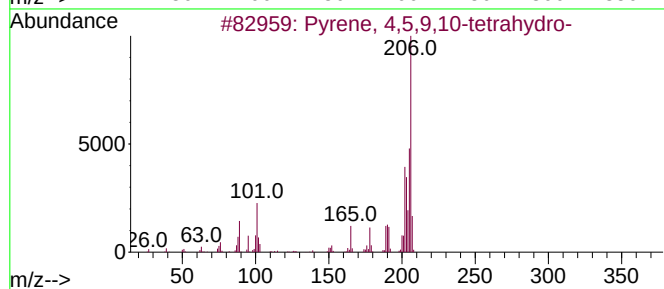
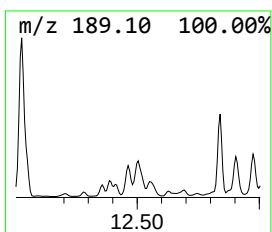
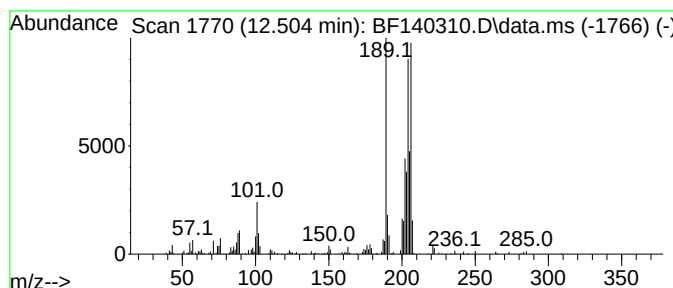
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 Pyrene, 4,5,9,10-tetrahydro- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.504	2.64 ng	416353	Phenanthrene-d10	11.410

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	51
2		9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	43
3		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	43
4		Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	38
5		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140310.D
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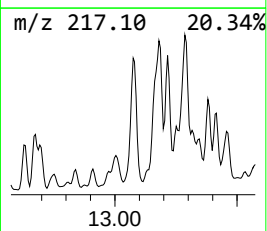
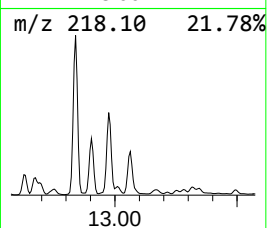
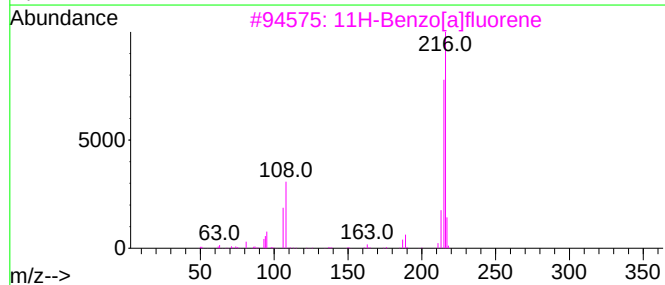
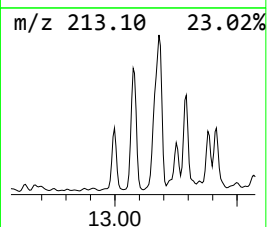
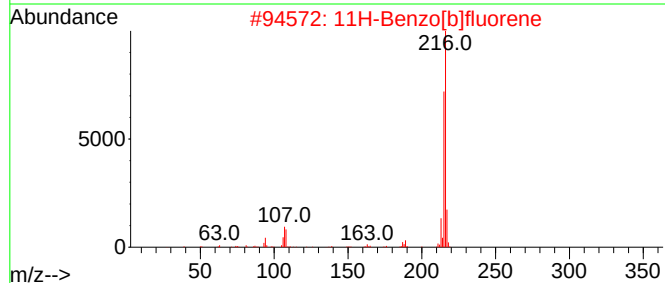
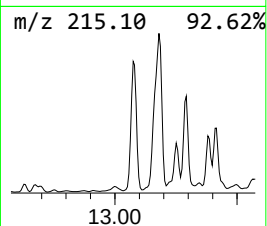
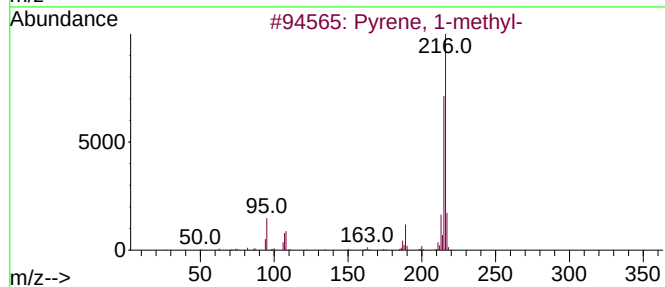
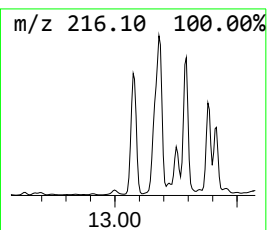
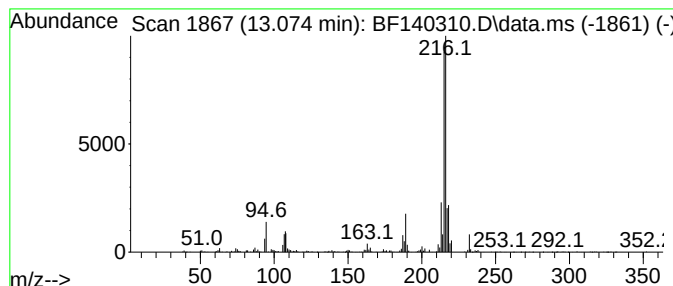
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BNA_F
ClientSampleId :
B-6-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 Pyrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.074	5.88 ng	623759	Chrysene-d12	14.063	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	74
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	68
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	68



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140310.D
Acq On : 08 Nov 2024 20:14
Operator : RC/JU
Sample : P4768-06
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-6-2

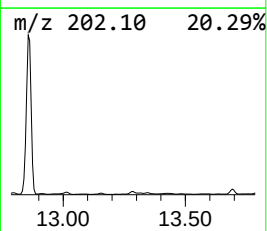
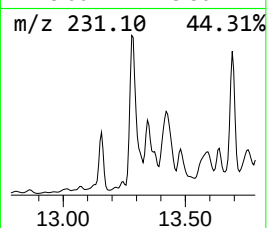
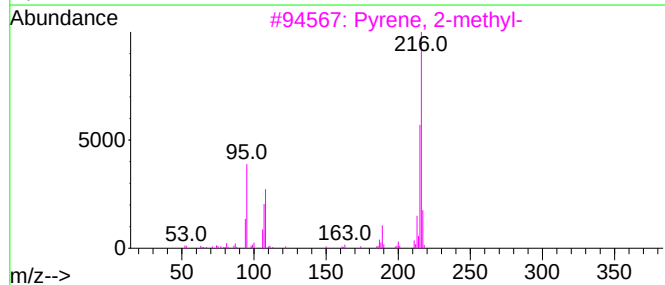
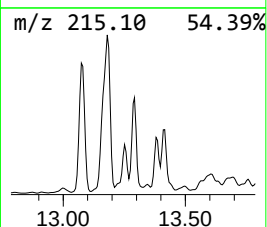
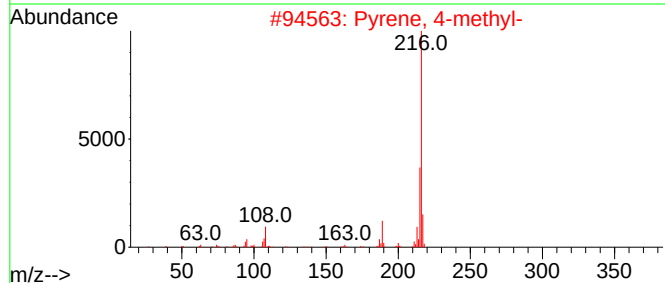
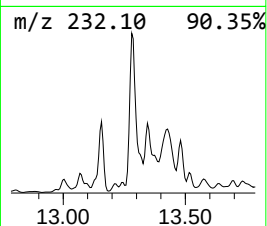
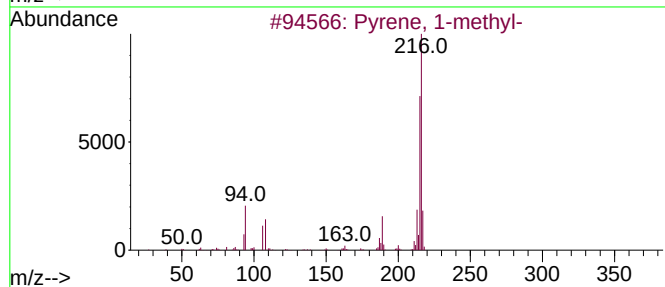
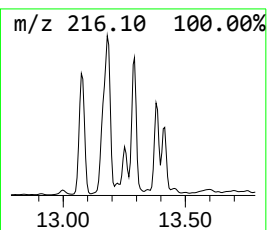
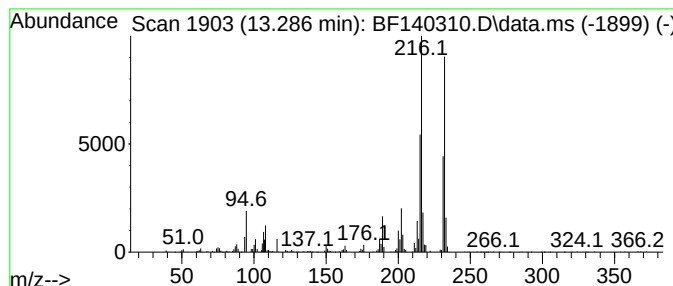
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 Pyrene, 4-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.286	4.61 ng	488370	Chrysene-d12	14.063

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2			Pyrene, 4-methyl-	216	C17H12	003353-12-6	89
3			Pyrene, 2-methyl-	216	C17H12	003442-78-2	64
4			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	46
5			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	46



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140310.D
Acq On : 08 Nov 2024 20:14
Operator : RC/JU
Sample : P4768-06
Misc :
ALS Vial : 26 Sample Multiplier: 1

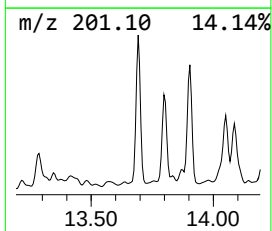
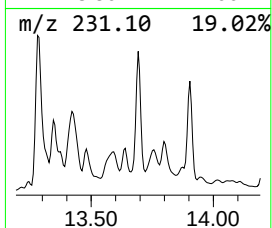
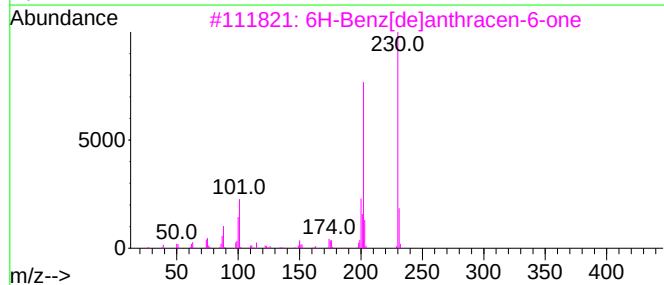
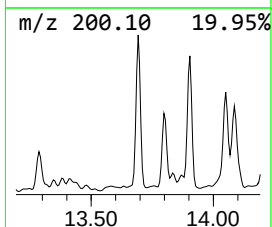
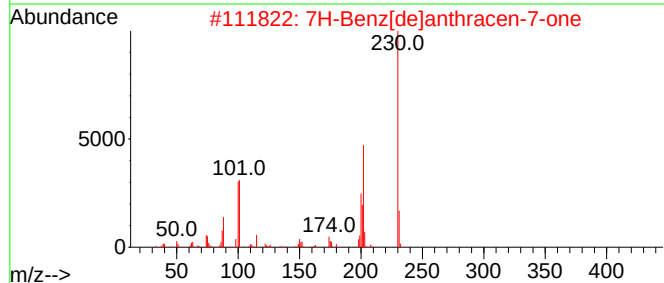
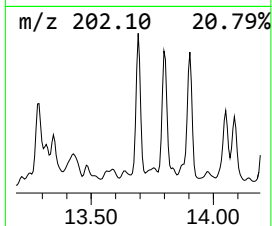
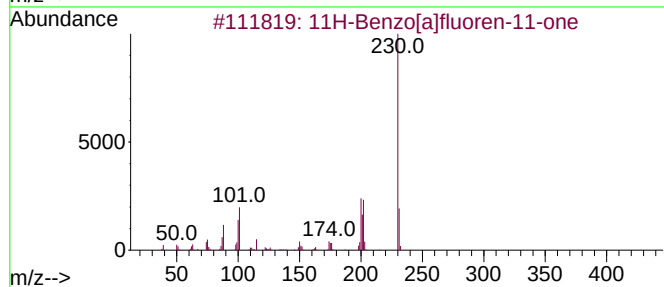
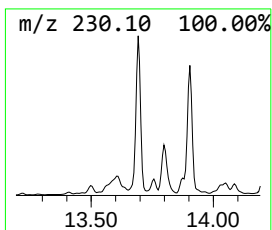
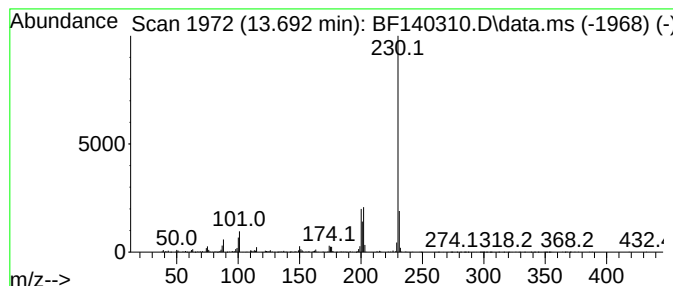
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 11H-Benzo[a]fluoren-11-one Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD		R.T.	
13.692	3.93 ng	416680	Chrysene-d12		14.063	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one		230	C17H10O	000479-79-8	97
2	7H-Benz[de]anthracen-7-one		230	C17H10O	000082-05-3	90
3	6H-Benz[de]anthracen-6-one		230	C17H10O	080252-14-8	64
4	o-Terphenyl		230	C18H14	000084-15-1	64
5	5,6-Dihydrochrysene		230	C18H14	002091-92-1	53



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140310.D
Acq On : 08 Nov 2024 20:14
Operator : RC/JU
Sample : P4768-06
Misc :
ALS Vial : 26 Sample Multiplier: 1

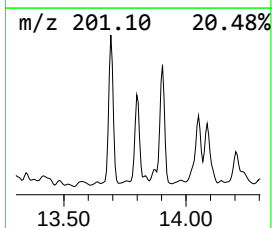
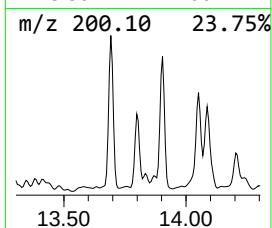
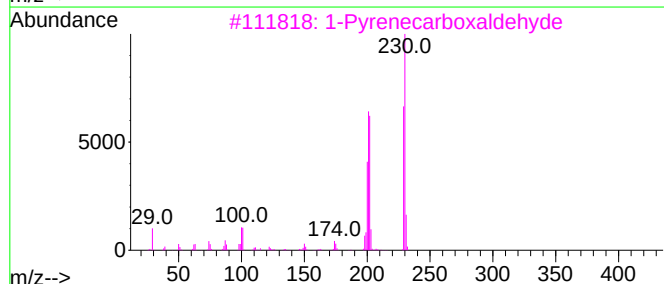
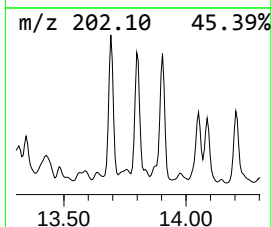
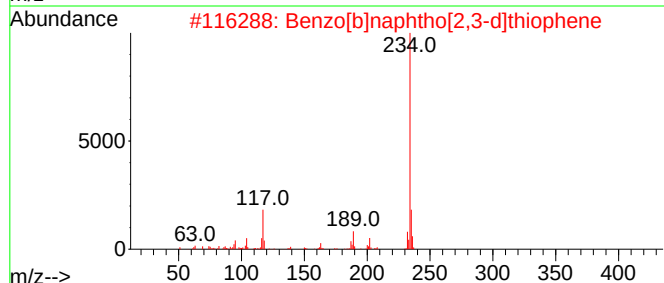
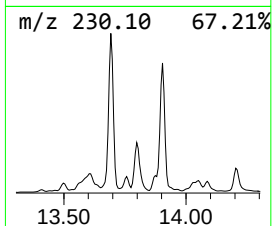
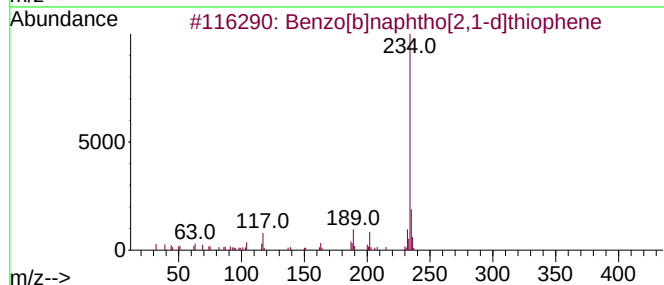
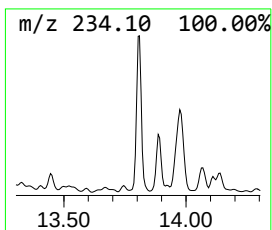
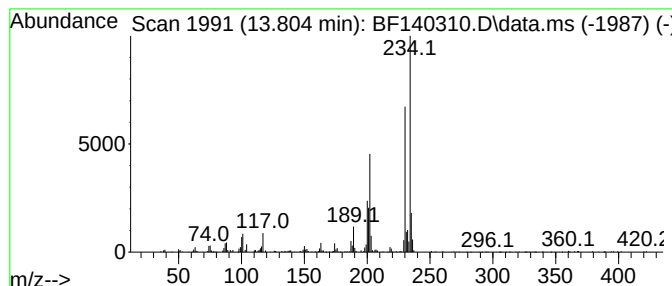
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.804	2.62 ng	277908	Chrysene-d12	14.063	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	50
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	50
3	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	46
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	41
5	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140310.D
Acq On : 08 Nov 2024 20:14
Operator : RC/JU
Sample : P4768-06
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
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ClientSampleId :
B-6-2

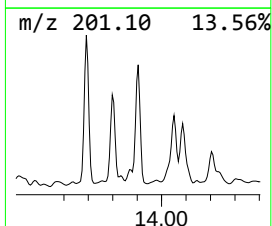
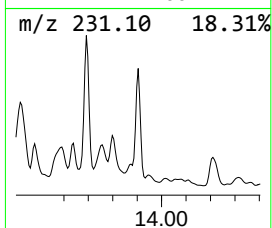
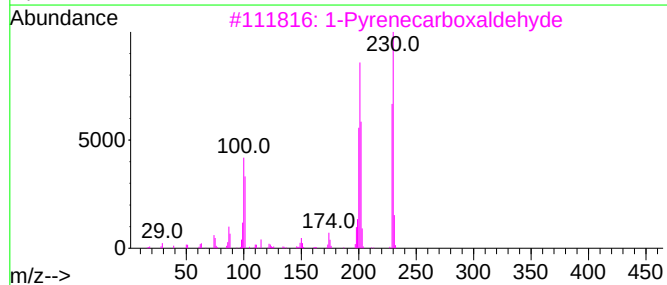
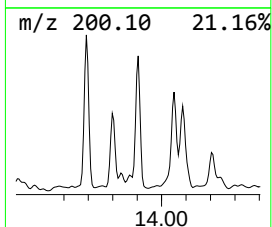
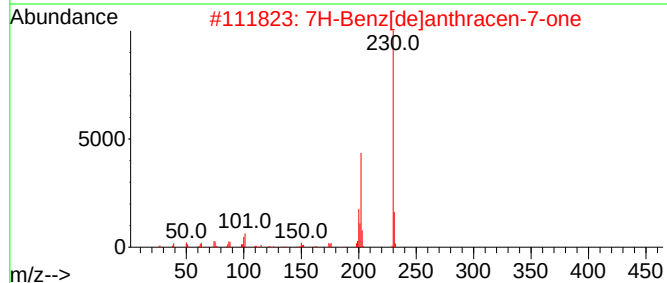
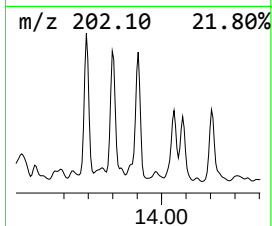
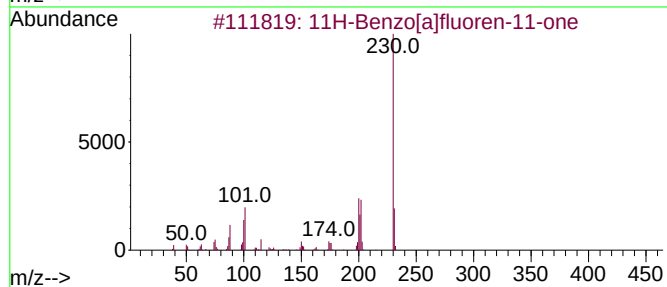
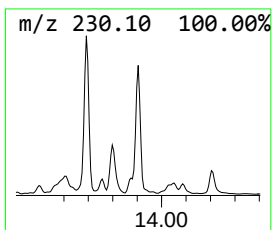
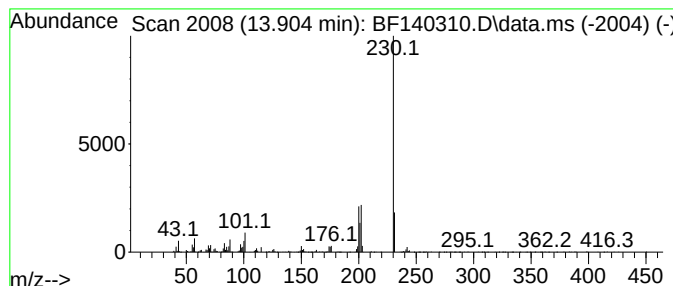
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 7H-Benz[de]anthracen-7-one Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.904	4.63 ng	490820	Chrysene-d12	14.063

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	96
2		7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3		1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	56
4		o-Terphenyl	230	C18H14	000084-15-1	53
5		Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	53



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140310.D
Acq On : 08 Nov 2024 20:14
Operator : RC/JU
Sample : P4768-06
Misc :
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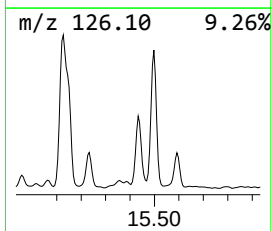
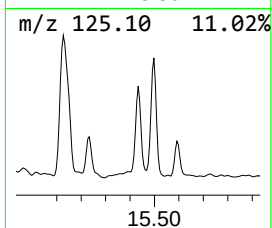
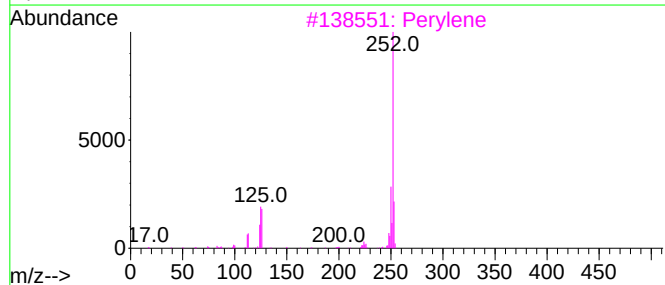
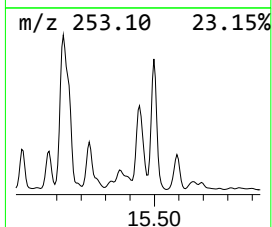
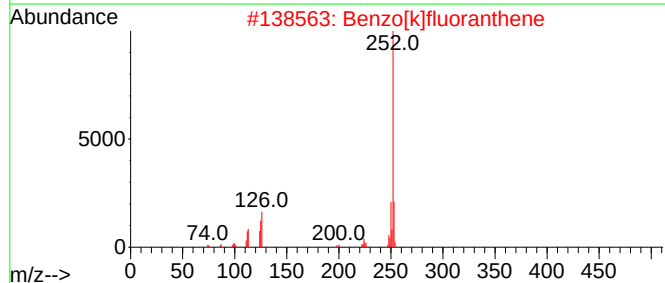
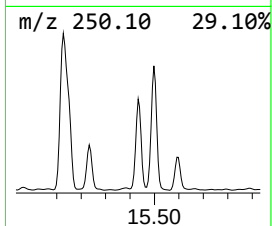
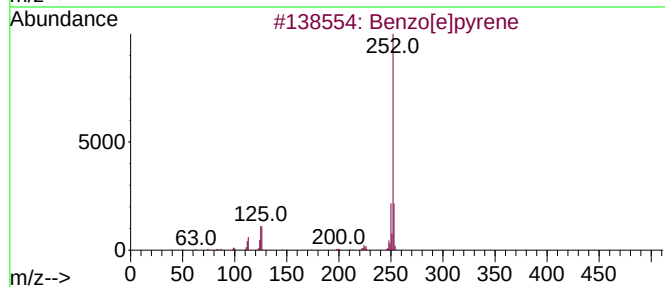
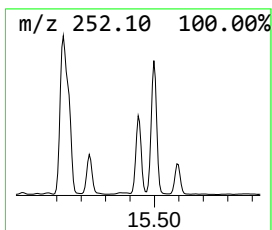
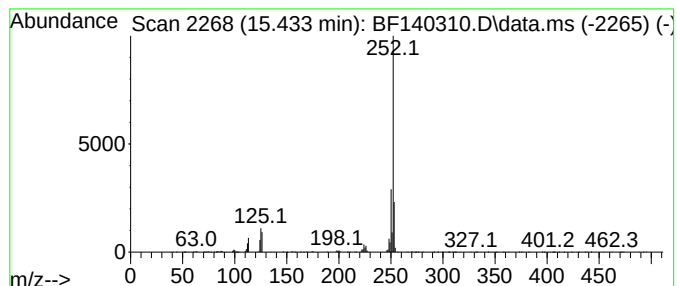
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.433	19.61 ng	429867	Perylene-d12	15.563	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
3	Perylene	252	C20H12	000198-55-0	95
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140310.D
Acq On : 08 Nov 2024 20:14
Operator : RC/JU
Sample : P4768-06
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-6-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-metho...	2.146	58.9	ng	1993790	1	6.881	676675	20.0
2-Pentanone, 4-...	5.093	3.1	ng	103920	1	6.881	676675	20.0
Benzene, 1,3-di...	5.734	3.2	ng	107362	1	6.881	676675	20.0
Nonane	5.793	3.0	ng	100095	1	6.881	676675	20.0
Decane	6.710	4.1	ng	138495	1	6.881	676675	20.0
Naphthalene, 1,...	9.498	2.8	ng	115293	3	9.916	823465	20.0
Naphthalene, 2,...	9.575	3.5	ng	146035	3	9.916	823465	20.0
Naphthalene, 2,...	10.328	3.4	ng	140480	3	9.916	823465	20.0
Benzophenone	10.628	13.1	ng	537950	3	9.916	823465	20.0
Phenanthrene, 2...	11.910	3.4	ng	527400	4	11.410	3150050	20.0
Phenanthrene, 1...	11.939	5.7	ng	899758	4	11.410	3150050	20.0
4H-Cyclopenta[d...	12.027	6.5	ng	1024790	4	11.410	3150050	20.0
Phenanthrene, 2...	12.463	2.6	ng	402421	4	11.410	3150050	20.0
Pyrene, 4,5,9,1...	12.504	2.6	ng	416353	4	11.410	3150050	20.0
Pyrene, 1-methyl-	13.074	5.9	ng	623759	5	14.063	2120020	20.0
Pyrene, 4-methyl-	13.286	4.6	ng	488370	5	14.063	2120020	20.0
11H-Benzo[a]flu...	13.692	3.9	ng	416680	5	14.063	2120020	20.0
Benzo[b]naphtho...	13.804	2.6	ng	277908	5	14.063	2120020	20.0
7H-Benz[de]anth...	13.904	4.6	ng	490820	5	14.063	2120020	20.0
Benzo[e]pyrene	15.433	19.6	ng	429867	6	15.563	438342	20.0

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-6-2DL	SDG No.:	P4768
Lab Sample ID:	P4768-06DL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	94.3
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140378.D	2	11/08/24 09:45	11/14/24 22:20	PB164789

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	390	UD	390	700	ug/Kg
108-95-2	Phenol	180	UD	180	360	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	180	UD	180	360	ug/Kg
95-57-8	2-Chlorophenol	180	UD	180	360	ug/Kg
95-48-7	2-Methylphenol	170	UD	170	360	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	190	UD	190	360	ug/Kg
98-86-2	Acetophenone	180	UD	180	360	ug/Kg
65794-96-9	3+4-Methylphenols	170	UD	170	700	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	85.4	UD	85.4	170	ug/Kg
67-72-1	Hexachloroethane	180	UD	180	360	ug/Kg
98-95-3	Nitrobenzene	190	UD	190	360	ug/Kg
78-59-1	Isophorone	180	UD	180	360	ug/Kg
88-75-5	2-Nitrophenol	200	UD	200	360	ug/Kg
105-67-9	2,4-Dimethylphenol	200	UD	200	360	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	180	UD	180	360	ug/Kg
120-83-2	2,4-Dichlorophenol	160	UD	160	360	ug/Kg
91-20-3	Naphthalene	170	UD	170	360	ug/Kg
106-47-8	4-Chloroaniline	170	UD	170	360	ug/Kg
87-68-3	Hexachlorobutadiene	180	UD	180	360	ug/Kg
105-60-2	Caprolactam	180	UD	180	700	ug/Kg
59-50-7	4-Chloro-3-methylphenol	160	UD	160	360	ug/Kg
91-57-6	2-Methylnaphthalene	170	UD	170	360	ug/Kg
77-47-4	Hexachlorocyclopentadiene	330	UD	330	700	ug/Kg
88-06-2	2,4,6-Trichlorophenol	150	UD	150	360	ug/Kg
95-95-4	2,4,5-Trichlorophenol	160	UD	160	360	ug/Kg
92-52-4	1,1-Biphenyl	190	UD	190	360	ug/Kg
91-58-7	2-Chloronaphthalene	180	UD	180	360	ug/Kg
88-74-4	2-Nitroaniline	200	UD	200	360	ug/Kg
131-11-3	Dimethylphthalate	170	UD	170	360	ug/Kg

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-6-2DL	SDG No.:	P4768
Lab Sample ID:	P4768-06DL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	94.3
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140378.D	2	11/08/24 09:45	11/14/24 22:20	PB164789

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	240	JD	180	360	ug/Kg
606-20-2	2,6-Dinitrotoluene	180	UD	180	360	ug/Kg
99-09-2	3-Nitroaniline	190	UD	190	360	ug/Kg
83-32-9	Acenaphthene	170	UD	170	360	ug/Kg
51-28-5	2,4-Dinitrophenol	510	UD	510	700	ug/Kg
100-02-7	4-Nitrophenol	250	UD	250	700	ug/Kg
132-64-9	Dibenzofuran	180	UD	180	360	ug/Kg
121-14-2	2,4-Dinitrotoluene	180	UD	180	360	ug/Kg
84-66-2	Diethylphthalate	170	UD	170	360	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	180	UD	180	360	ug/Kg
86-73-7	Fluorene	220	JD	180	360	ug/Kg
100-01-6	4-Nitroaniline	230	UD	230	360	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	250	UD	250	700	ug/Kg
86-30-6	n-Nitrosodiphenylamine	170	UD	170	360	ug/Kg
101-55-3	4-Bromophenyl-phenylether	170	UD	170	360	ug/Kg
118-74-1	Hexachlorobenzene	180	UD	180	360	ug/Kg
1912-24-9	Atrazine	190	UD	190	360	ug/Kg
87-86-5	Pentachlorophenol	160	UD	160	700	ug/Kg
85-01-8	Phenanthrene	2200	D	180	360	ug/Kg
120-12-7	Anthracene	660	D	180	360	ug/Kg
86-74-8	Carbazole	170	UD	170	360	ug/Kg
84-74-2	Di-n-butylphthalate	180	UD	180	360	ug/Kg
206-44-0	Fluoranthene	2800	D	170	360	ug/Kg
129-00-0	Pyrene	2100	D	180	360	ug/Kg
85-68-7	Butylbenzylphthalate	210	UD	210	360	ug/Kg
91-94-1	3,3-Dichlorobenzidine	210	UD	210	700	ug/Kg
56-55-3	Benzo(a)anthracene	1600	D	170	360	ug/Kg
218-01-9	Chrysene	1200	D	170	360	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	190	UD	190	360	ug/Kg
117-84-0	Di-n-octyl phthalate	230	UD	230	700	ug/Kg
205-99-2	Benzo(b)fluoranthene	1300	D	170	360	ug/Kg

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-6-2DL	SDG No.:	P4768
Lab Sample ID:	P4768-06DL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	94.3
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140378.D	2	11/08/24 09:45	11/14/24 22:20	PB164789

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	550	D	170	360	ug/Kg
50-32-8	Benzo(a)pyrene	1100	D	200	360	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	420	D	170	360	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	170	UD	170	360	ug/Kg
191-24-2	Benzo(g,h,i)perylene	400	D	170	360	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	180	UD	180	360	ug/Kg
123-91-1	1,4-Dioxane	230	UD	230	360	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	160	UD	160	360	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	80.9		18 - 112	54%	SPK: 150
13127-88-3	Phenol-d6	78.5		15 - 107	52%	SPK: 150
4165-60-0	Nitrobenzene-d5	54.3		18 - 107	54%	SPK: 100
321-60-8	2-Fluorobiphenyl	66.1		20 - 109	66%	SPK: 100
118-79-6	2,4,6-Tribromophenol	60.8		10 - 116	41%	SPK: 150
1718-51-0	Terphenyl-d14	54.5		10 - 105	55%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	135000	6.875
1146-65-2	Naphthalene-d8	505000	8.157
15067-26-2	Acenaphthene-d10	233000	9.91
1517-22-2	Phenanthrene-d10	350000	11.398
1719-03-5	Chrysene-d12	247000	14.051
1520-96-3	Perylene-d12	180000	15.539

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\BF111424\
 Data File : BF140378.D
 Acq On : 14 Nov 2024 22:20
 Operator : RC/JU
 Sample : P4768-06DL 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-6-2DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/15/2024
 Supervised By :mohammad ahmed 11/15/2024

Quant Time: Nov 15 00:30:24 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 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	135115	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	504974	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	233440	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	349983	20.000	ng	0.00
76) Chrysene-d12	14.051	240	247139	20.000	ng	0.00
86) Perylene-d12	15.539	264	180477	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	320181	40.460	ng	0.01
7) Phenol-d6	6.516	99	420745	39.243	ng	0.01
23) Nitrobenzene-d5	7.434	82	263207	27.157	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	70598	30.412	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	479622	33.028	ng	0.00
79) Terphenyl-d14	12.986	244	387993	27.251	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.769	152	67545	3.451	ng	98
55) Dibenzofuran	10.116	168	38101	2.036	ng	# 97
58) Fluorene	10.457	166	45390	3.070	ng	95
71) Phenanthrene	11.422	178	515919	31.381	ng	100
72) Anthracene	11.474	178	150914	9.366	ng	99
75) Fluoranthene	12.616	202	735343	39.867	ng	99
78) Pyrene	12.845	202	620501	29.353	ng	99
81) Benzo(a)anthracene	14.039	228	377982	23.271	ng	96
83) Chrysene	14.074	228	252404	17.031	ng	96
87) Indeno(1,2,3-cd)pyrene	17.033	276	66010	5.921	ng	98
88) Benzo(b)fluoranthene	15.104	252	216383m	18.328	ng	
89) Benzo(k)fluoranthene	15.121	252	75299m	7.807	ng	
90) Benzo(a)pyrene	15.474	252	141682	15.454	ng	97
91) Dibenzo(a,h)anthracene	17.045	278	20116	2.183	ng	# 81
92) Benzo(g,h,i)perylene	17.486	276	53603	5.690	ng	# 92

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

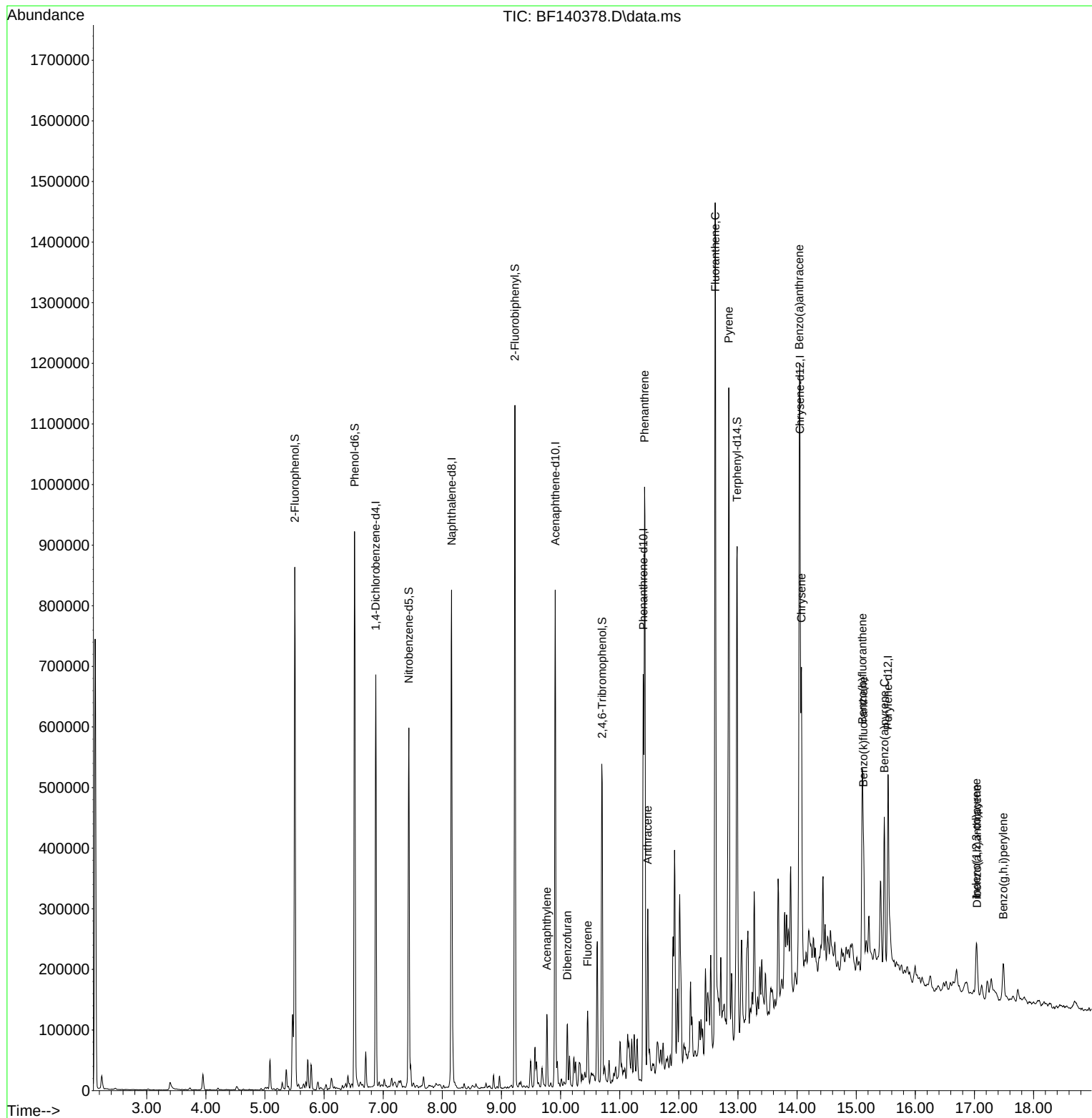
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Acq On : 14 Nov 2024 22:20
Operator : RC/JU
Sample : P4768-06DL 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

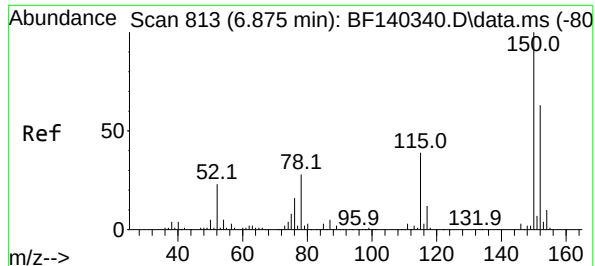
Instrument :
BNA_F
ClientSampleId :
B-6-2DL

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/15/2024
Supervised By :mohammad ahmed 11/15/2024

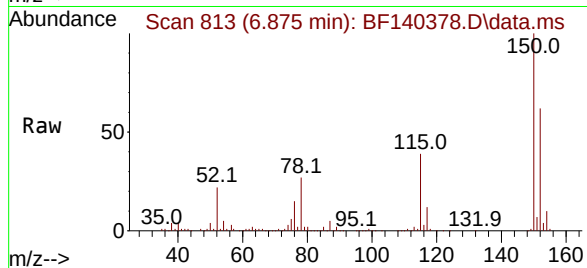
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF140378.D
Acq: 14 Nov 2024 22:20

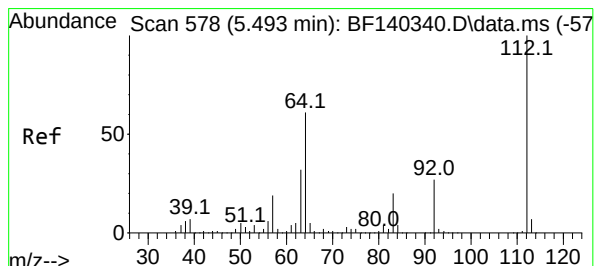
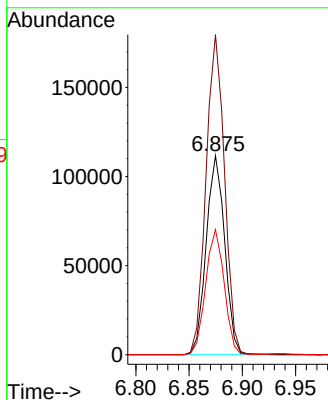
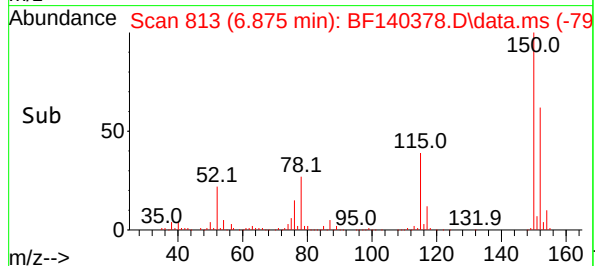
Instrument :
BNA_F
ClientSampleId :
B-6-2DL



Tgt Ion:152 Resp: 135115
Ion Ratio Lower Upper
152 100
150 160.8 127.4 191.0
115 62.8 47.4 71.2

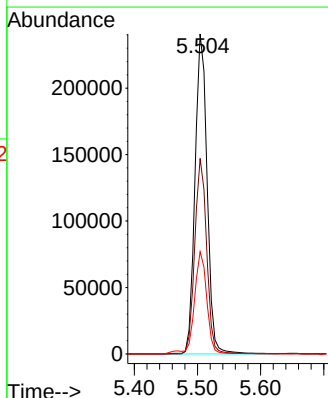
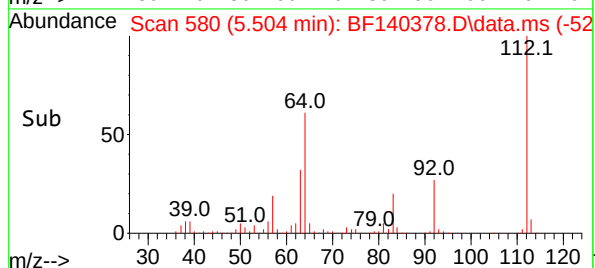
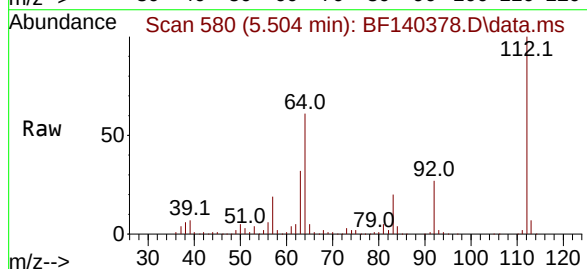
Manual Integrations
APPROVED

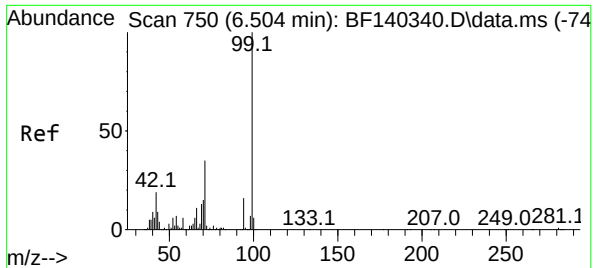
Reviewed By :Yogesh Patel 11/15/2024
Supervised By :mohammad ahmed 11/15/2024



#5
2-Fluorophenol
Concen: 40.460 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.012 min
Lab File: BF140378.D
Acq: 14 Nov 2024 22:20

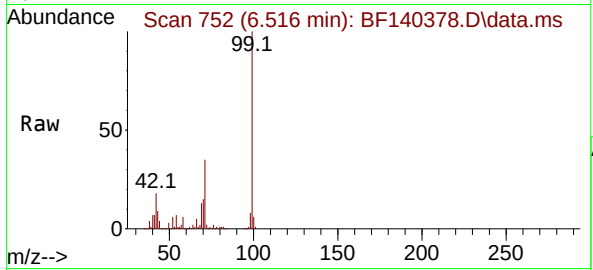
Tgt Ion:112 Resp: 320181
Ion Ratio Lower Upper
112 100
64 61.1 49.2 73.8
63 31.9 25.6 38.4





#7
Phenol-d6
Concen: 39.243 ng
RT: 6.516 min Scan# 71
Delta R.T. 0.012 min
Lab File: BF140378.D
Acq: 14 Nov 2024 22:20

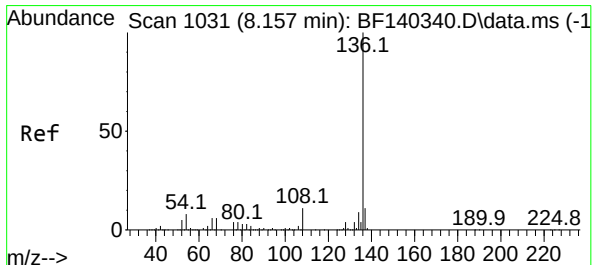
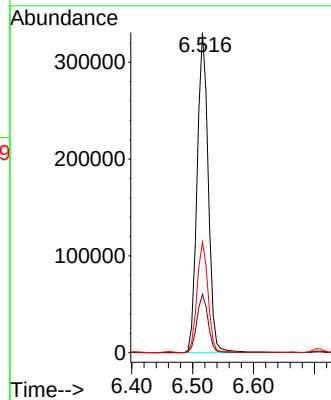
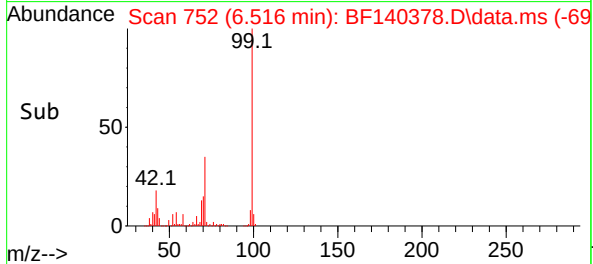
Instrument :
BNA_F
ClientSampleId :
B-6-2DL



Tgt Ion: 99 Resp: 42074
Ion Ratio Lower Upper
99 100
42 18.3 15.1 22.7
71 34.6 27.9 41.9

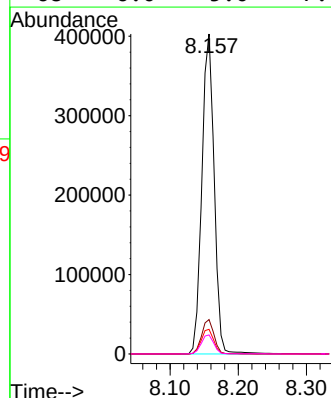
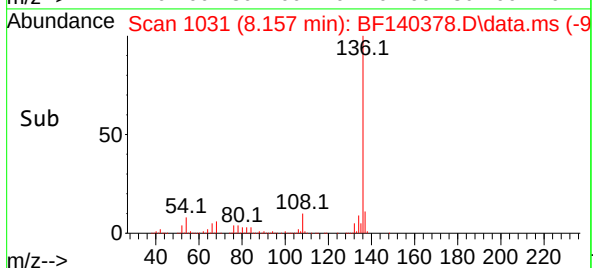
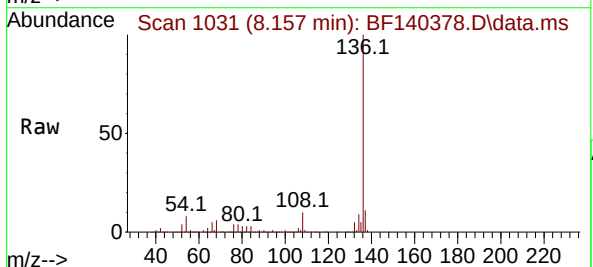
Manual Integrations
APPROVED

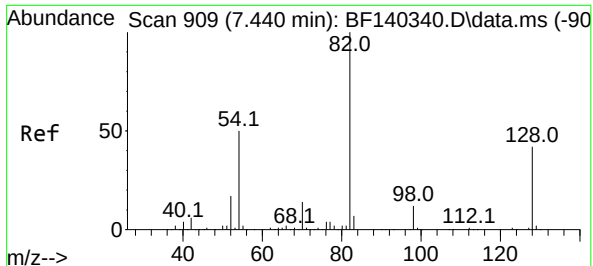
Reviewed By :Yogesh Patel 11/15/2024
Supervised By :mohammad ahmed 11/15/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.000 min
Lab File: BF140378.D
Acq: 14 Nov 2024 22:20

Tgt Ion:136 Resp: 504974
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 7.7 6.5 9.7
68 6.0 5.0 7.6





#23

Nitrobenzene-d5

Concen: 27.157 ng

RT: 7.434 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF140378.D

Acq: 14 Nov 2024 22:20

Instrument :

BNA_F

ClientSampleId :

B-6-2DL

Tgt Ion: 82 Resp: 26320

Ion Ratio Lower Upper

82 100

128 42.7 33.3 49.9

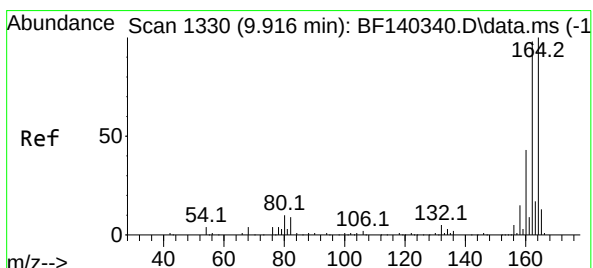
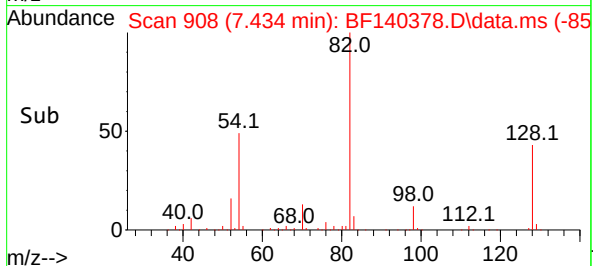
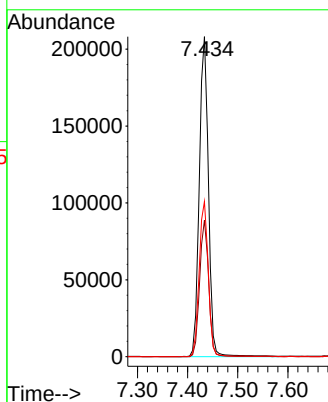
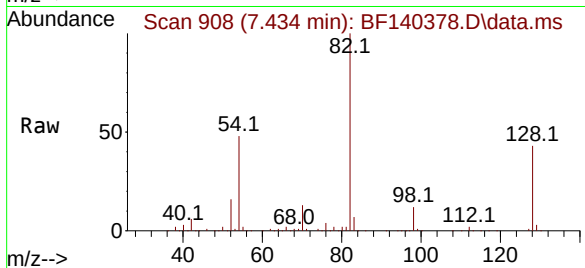
54 48.5 39.8 59.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/15/2024

Supervised By :mohammad ahmed 11/15/2024



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1329

Delta R.T. -0.006 min

Lab File: BF140378.D

Acq: 14 Nov 2024 22:20

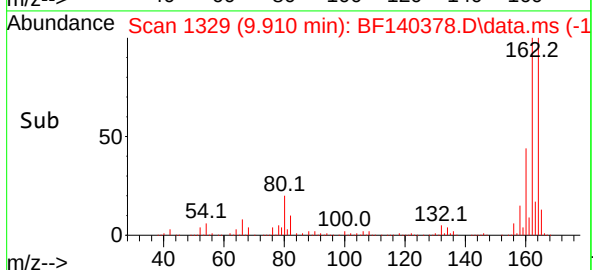
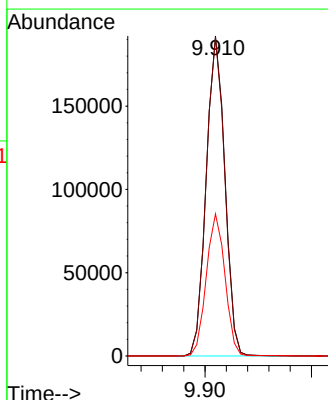
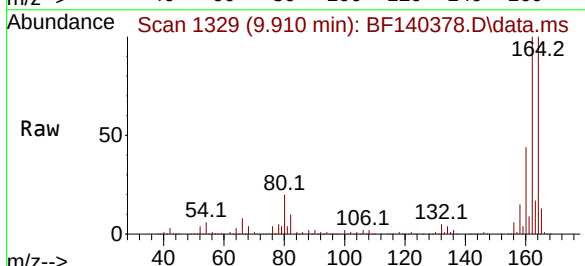
Tgt Ion:164 Resp: 233440

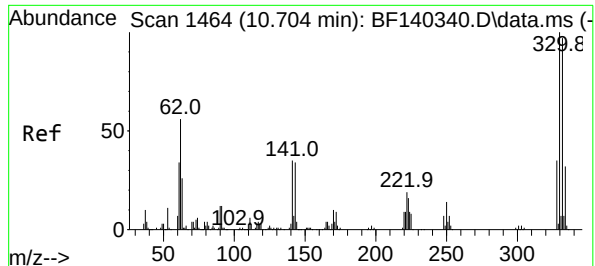
Ion Ratio Lower Upper

164 100

162 99.5 79.8 119.8

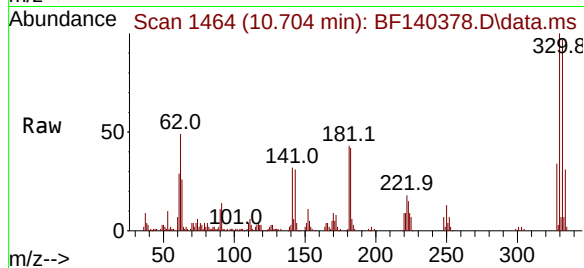
160 44.4 35.4 53.0





#42
2,4,6-Tribromophenol
Concen: 30.412 ng
RT: 10.704 min Scan# 1464
Delta R.T. -0.000 min
Lab File: BF140378.D
Acq: 14 Nov 2024 22:20

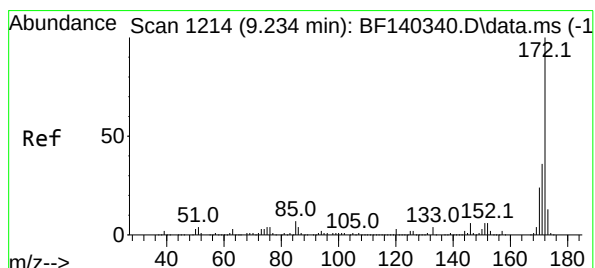
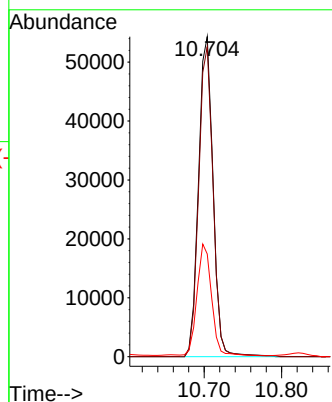
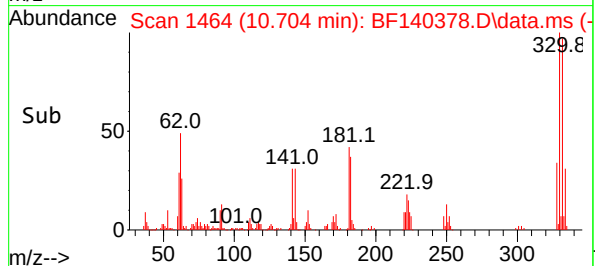
Instrument :
BNA_F
ClientSampleId :
B-6-2DL



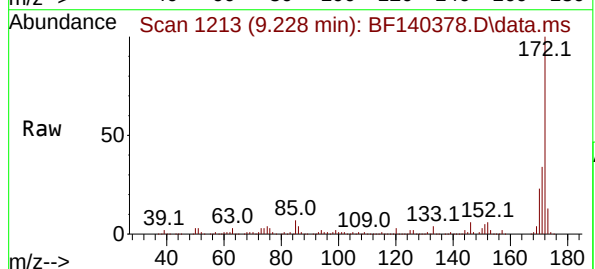
Tgt Ion: 330 Resp: 70598
Ion Ratio Lower Upper
330 100
332 96.3 75.9 113.9
141 34.8 26.9 40.3

Manual Integrations
APPROVED

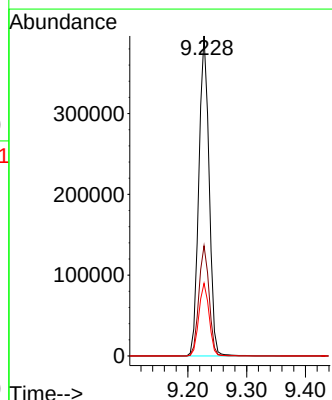
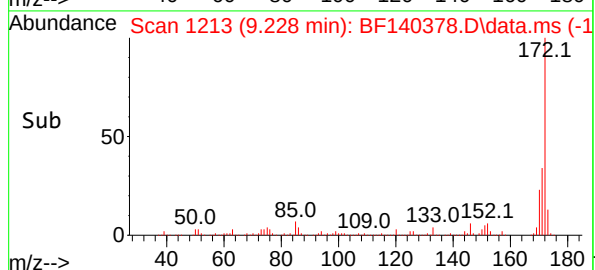
Reviewed By : Yogesh Patel 11/15/2024
Supervised By : mohammad ahmed 11/15/2024

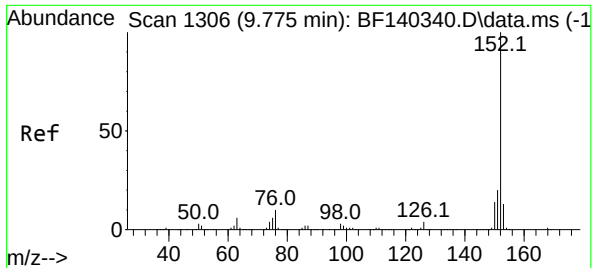


#45
2-Fluorobiphenyl
Concen: 33.028 ng
RT: 9.228 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF140378.D
Acq: 14 Nov 2024 22:20



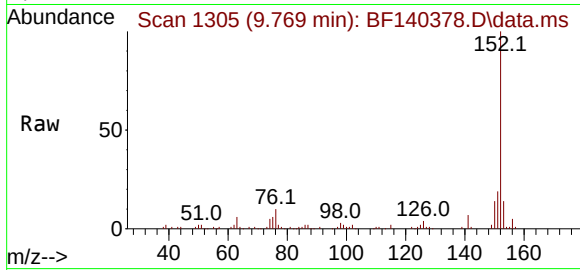
Tgt Ion: 172 Resp: 479622
Ion Ratio Lower Upper
172 100
171 34.5 28.5 42.7
170 22.7 19.1 28.7





#49
Acenaphthylene
Concen: 3.451 ng
RT: 9.769 min Scan# 1305
Delta R.T. -0.006 min
Lab File: BF140378.D
Acq: 14 Nov 2024 22:20

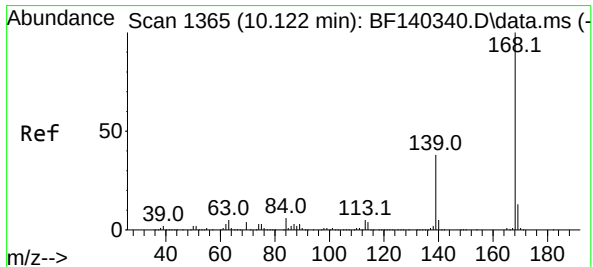
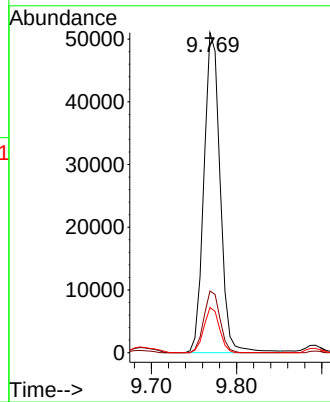
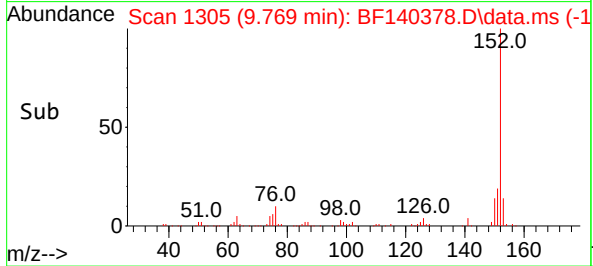
Instrument :
BNA_F
ClientSampleId :
B-6-2DL



Tgt Ion:152 Resp: 67549
Ion Ratio Lower Upper
152 100
151 19.3 16.1 24.1
153 14.1 10.7 16.1

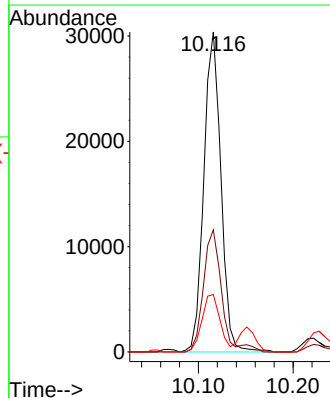
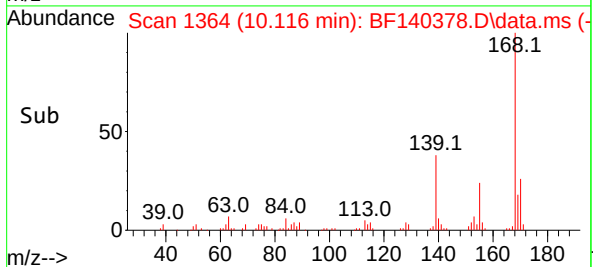
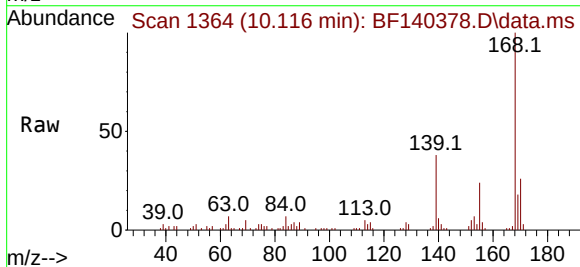
Manual Integrations
APPROVED

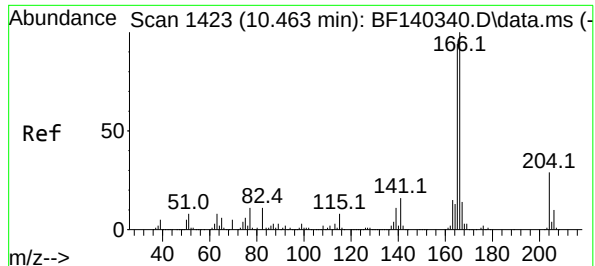
Reviewed By :Yogesh Patel 11/15/2024
Supervised By :mohammad ahmed 11/15/2024



#55
Dibenzofuran
Concen: 2.036 ng
RT: 10.116 min Scan# 1364
Delta R.T. -0.006 min
Lab File: BF140378.D
Acq: 14 Nov 2024 22:20

Tgt Ion:168 Resp: 38101
Ion Ratio Lower Upper
168 100
139 38.2 30.8 46.2
169 17.9 10.8 16.2#





#58

Fluorene

Concen: 3.070 ng

RT: 10.457 min Scan# 1422

Delta R.T. -0.006 min

Lab File: BF140378.D

Acq: 14 Nov 2024 22:20

Instrument :

BNA_F

ClientSampleId :

B-6-2DL

Tgt Ion:166 Resp: 45390

Ion Ratio Lower Upper

166 100

165 96.9 73.9 110.9

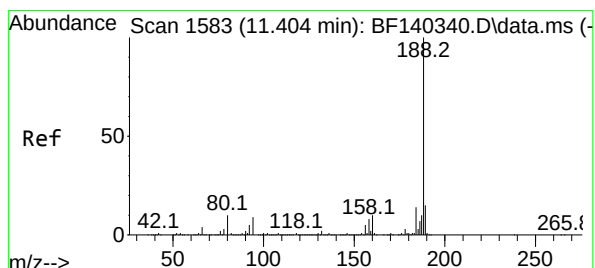
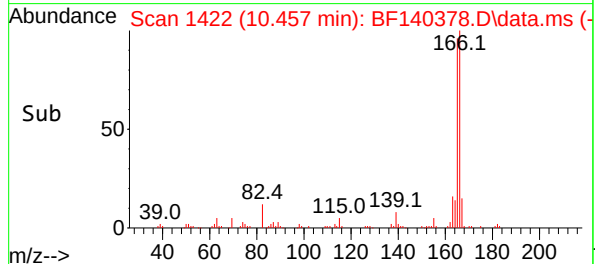
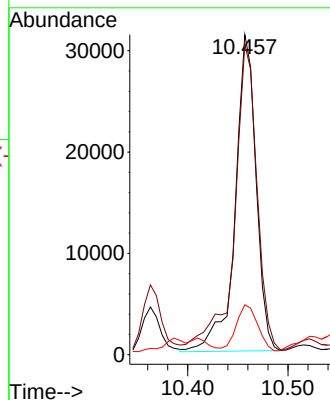
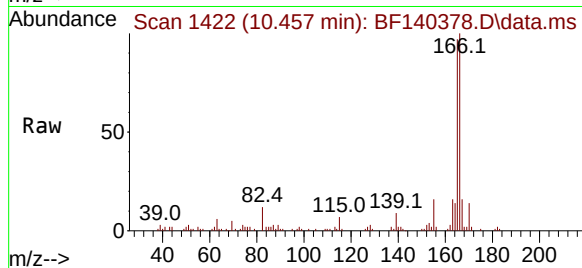
167 15.6 10.9 16.3

Manual Integrations

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Reviewed By :Yogesh Patel 11/15/2024

Supervised By :mohammad ahmed 11/15/2024



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 1582

Delta R.T. -0.006 min

Lab File: BF140378.D

Acq: 14 Nov 2024 22:20

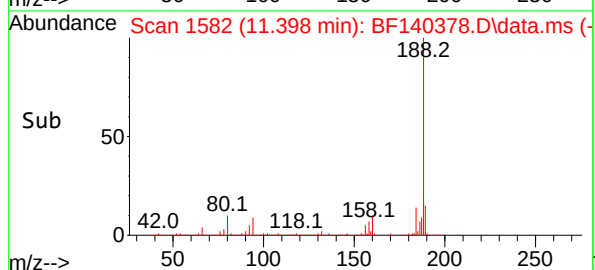
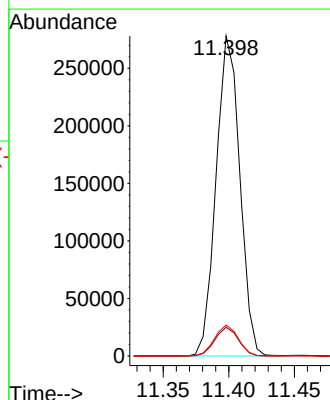
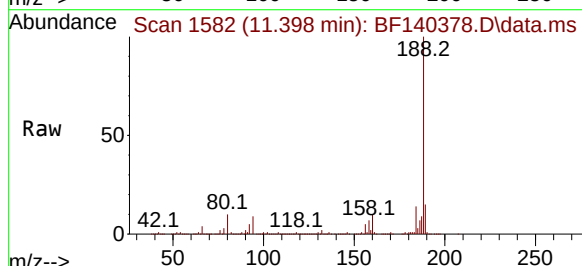
Tgt Ion:188 Resp: 349983

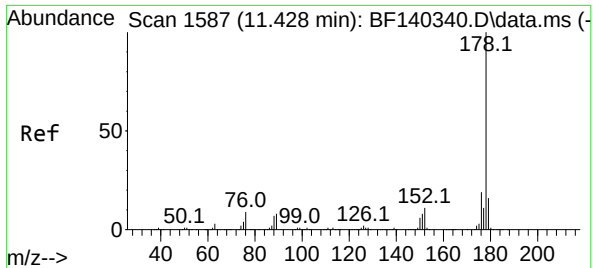
Ion Ratio Lower Upper

188 100

94 8.9 7.6 11.4

80 9.6 8.0 12.0





#71

Phenanthrene

Concen: 31.381 ng

RT: 11.422 min Scan# 1587

Delta R.T. -0.006 min

Lab File: BF140378.D

Acq: 14 Nov 2024 22:20

Instrument :

BNA_F

ClientSampleId :

B-6-2DL

Tgt Ion:178 Resp: 515919

Ion Ratio Lower Upper

178 100

176 19.2 15.5 23.3

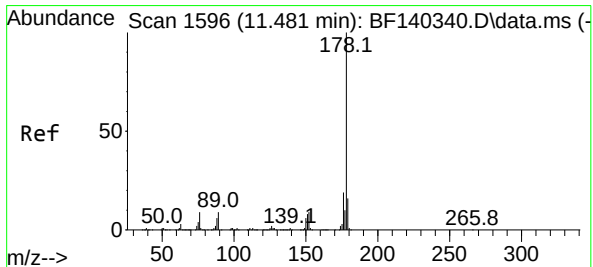
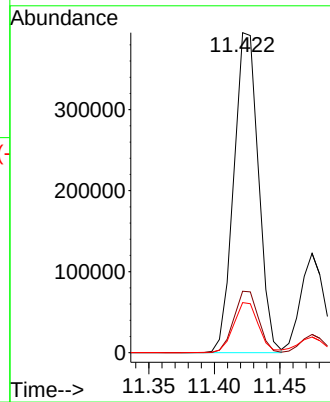
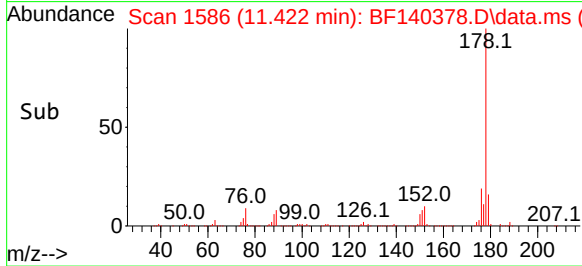
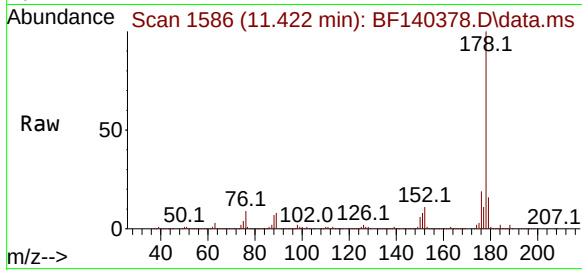
179 15.6 12.4 18.6

Manual Integrations

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Reviewed By :Yogesh Patel 11/15/2024

Supervised By :mohammad ahmed 11/15/2024



#72

Anthracene

Concen: 9.366 ng

RT: 11.474 min Scan# 1595

Delta R.T. -0.006 min

Lab File: BF140378.D

Acq: 14 Nov 2024 22:20

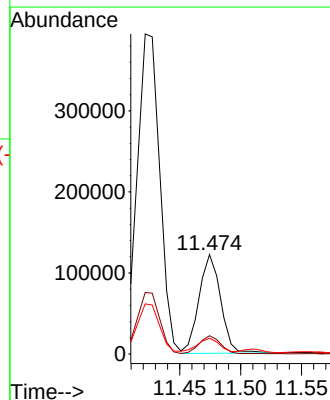
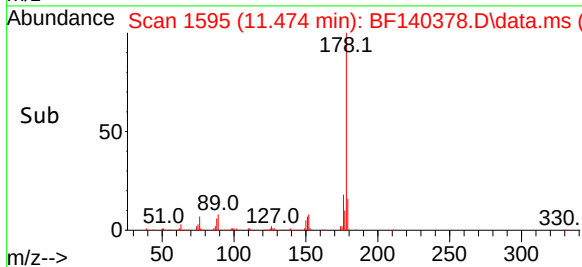
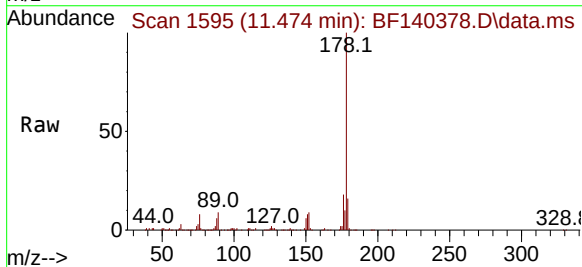
Tgt Ion:178 Resp: 150914

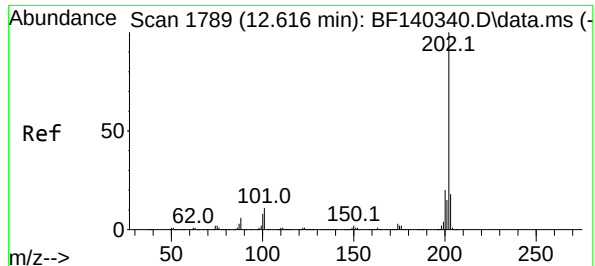
Ion Ratio Lower Upper

178 100

176 18.3 15.4 23.0

179 15.8 12.6 18.8





#75

Fluoranthene

Concen: 39.867 ng

RT: 12.616 min Scan# 1789

Delta R.T. -0.000 min

Lab File: BF140378.D

Acq: 14 Nov 2024 22:20

Instrument :

BNA_F

ClientSampleId :

B-6-2DL

Tgt Ion:202 Resp: 73534

Ion Ratio Lower Upper

202 100

101 10.4 0.0 30.7

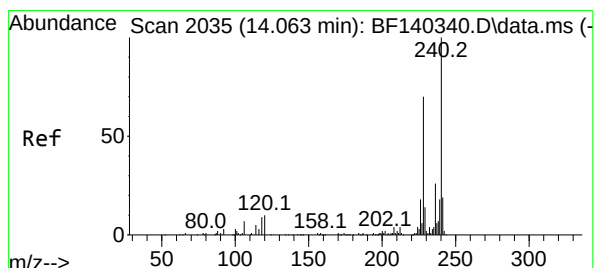
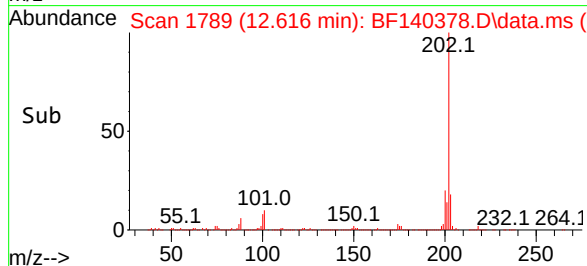
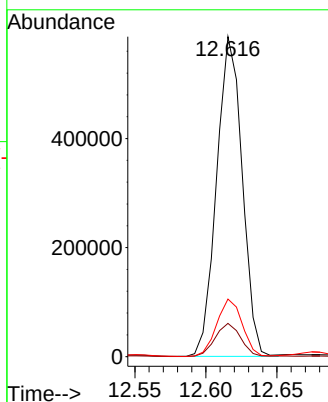
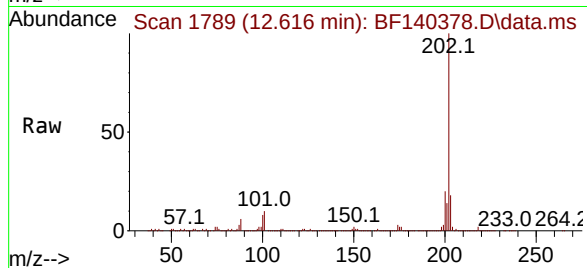
203 18.0 0.0 37.7

Manual Integrations

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Reviewed By :Yogesh Patel 11/15/2024

Supervised By :mohammad ahmed 11/15/2024



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2033

Delta R.T. -0.000 min

Lab File: BF140378.D

Acq: 14 Nov 2024 22:20

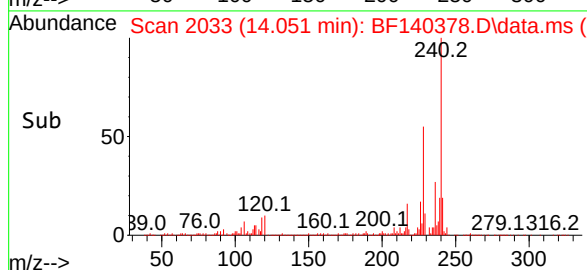
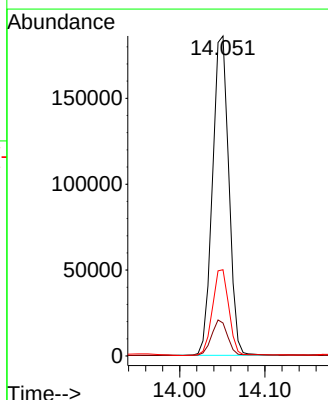
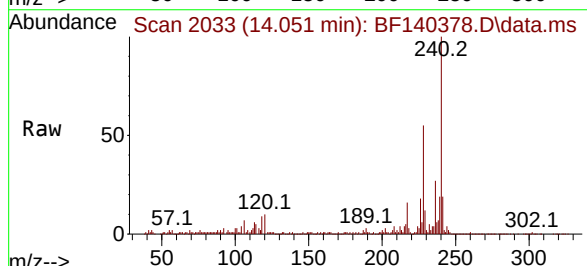
Tgt Ion:240 Resp: 247139

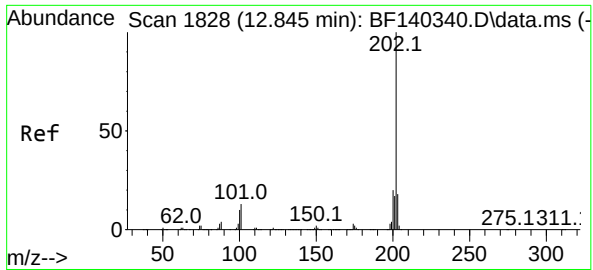
Ion Ratio Lower Upper

240 100

120 10.3 8.8 13.2

236 27.0 20.9 31.3





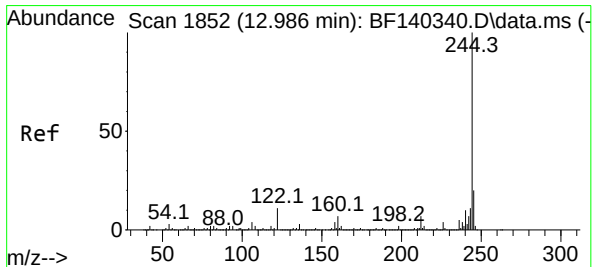
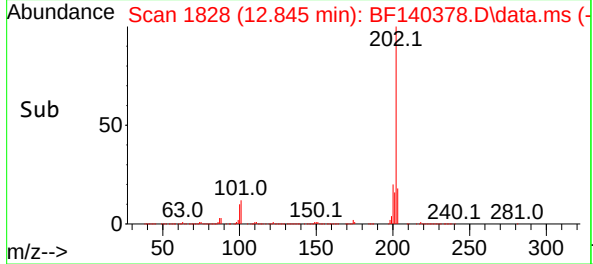
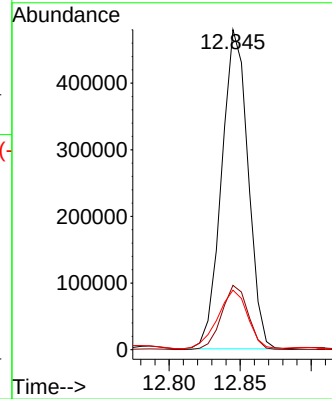
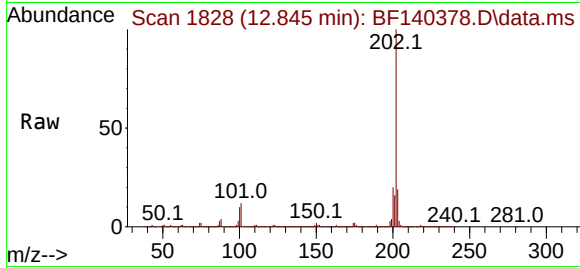
#78
Pyrene
Concen: 29.353 ng
RT: 12.845 min Scan# 1828
Delta R.T. -0.000 min
Lab File: BF140378.D
Acq: 14 Nov 2024 22:20

Instrument :
BNA_F
ClientSampleId :
B-6-2DL

Tgt Ion:202 Resp: 62050
Ion Ratio Lower Upper
202 100
200 20.1 16.2 24.2
203 18.6 14.2 21.4

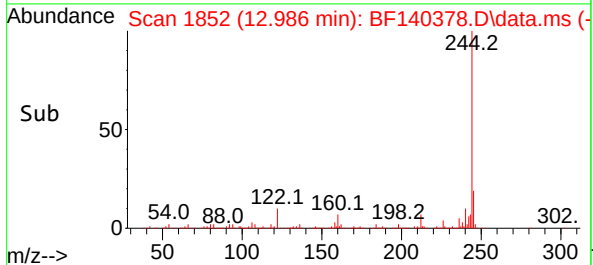
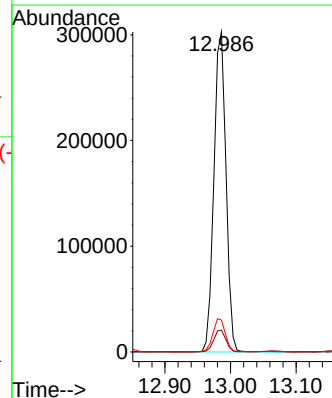
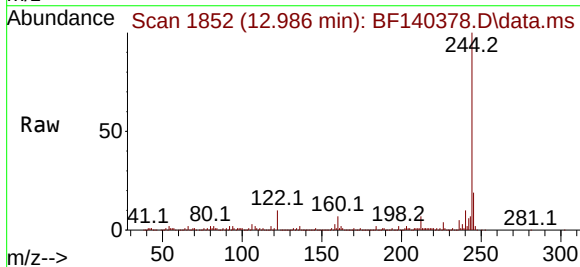
Manual Integrations
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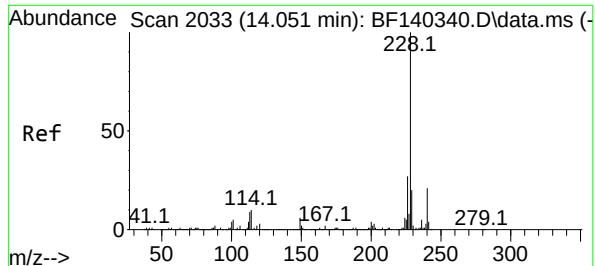
Reviewed By :Yogesh Patel 11/15/2024
Supervised By :mohammad ahmed 11/15/2024



#79
Terphenyl-d14
Concen: 27.251 ng
RT: 12.986 min Scan# 1852
Delta R.T. -0.000 min
Lab File: BF140378.D
Acq: 14 Nov 2024 22:20

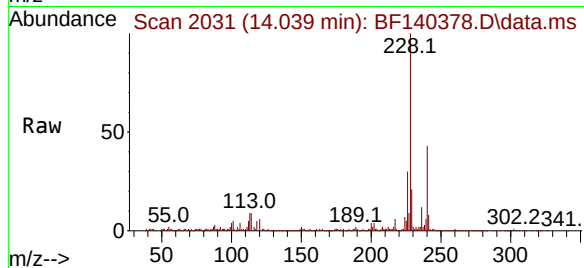
Tgt Ion:244 Resp: 387993
Ion Ratio Lower Upper
244 100
212 6.9 5.8 8.8
122 10.0 8.8 13.2





#81
Benzo(a)anthracene
Concen: 23.271 ng
RT: 14.039 min Scan# 2031
Delta R.T. -0.000 min
Lab File: BF140378.D
Acq: 14 Nov 2024 22:20

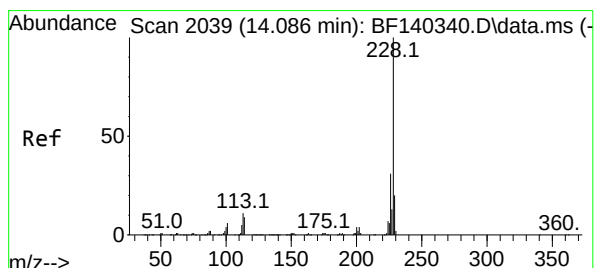
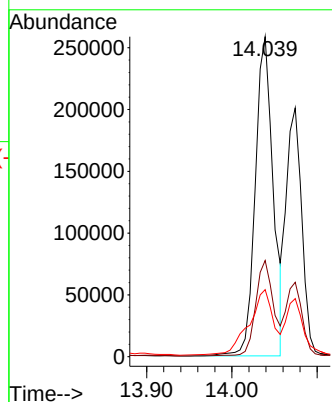
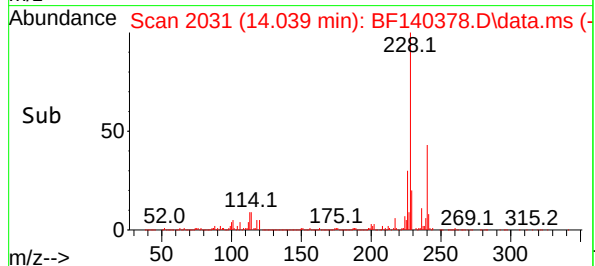
Instrument :
BNA_F
ClientSampleId :
B-6-2DL



Tgt Ion:228 Resp: 37798
Ion Ratio Lower Upper
228 100
226 30.0 22.2 33.4
229 20.9 15.8 23.6

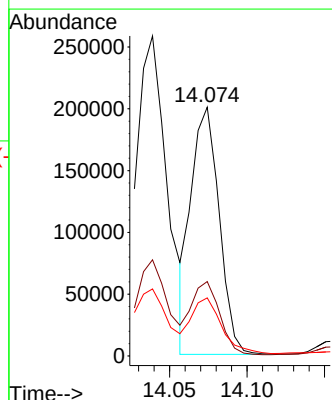
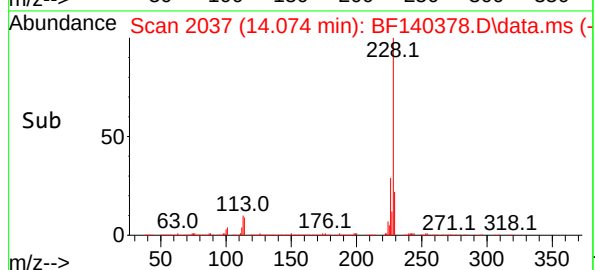
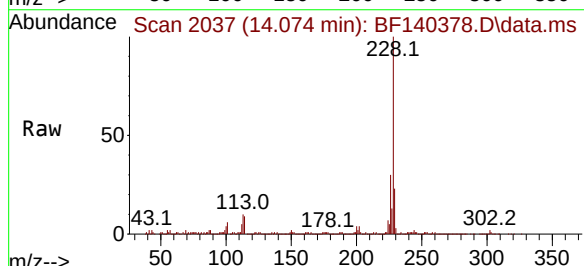
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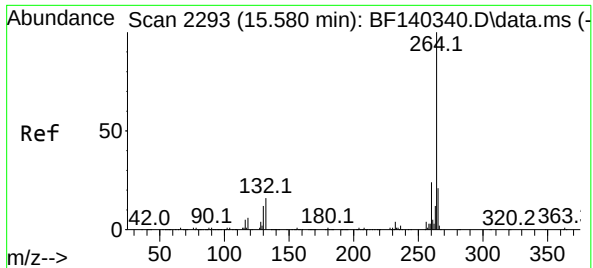
Reviewed By :Yogesh Patel 11/15/2024
Supervised By :mohammad ahmed 11/15/2024



#83
Chrysene
Concen: 17.031 ng
RT: 14.074 min Scan# 2037
Delta R.T. -0.006 min
Lab File: BF140378.D
Acq: 14 Nov 2024 22:20

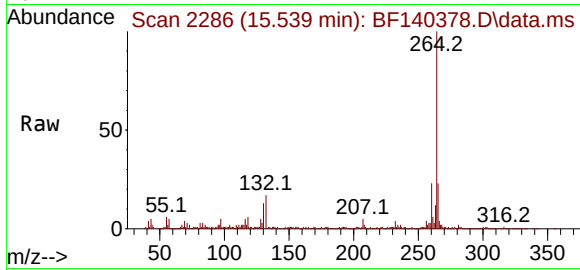
Tgt Ion:228 Resp: 252404
Ion Ratio Lower Upper
228 100
226 29.9 24.5 36.7
229 23.3 16.0 24.0





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF140378.D
Acq: 14 Nov 2024 22:20

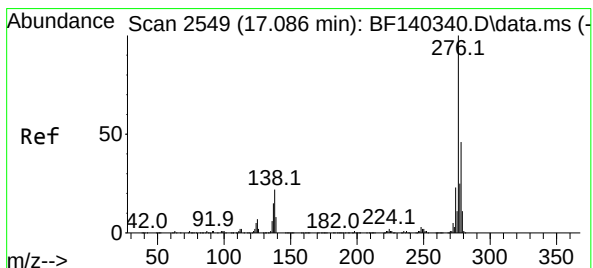
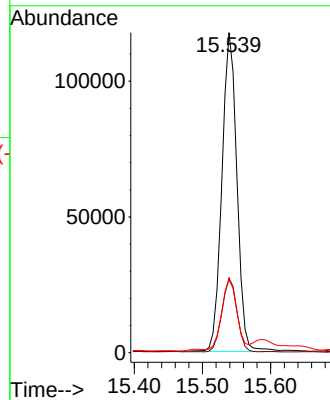
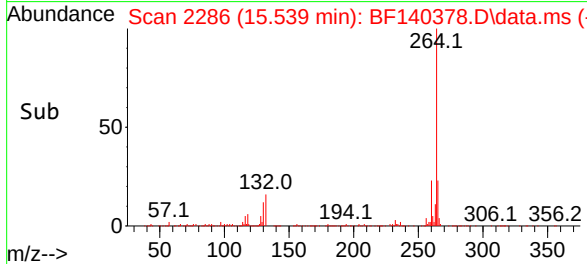
Instrument :
BNA_F
ClientSampleId :
B-6-2DL



Tgt Ion:264 Resp: 18047
Ion Ratio Lower Upper
264 100
260 23.4 19.2 28.8
265 22.9 17.1 25.7

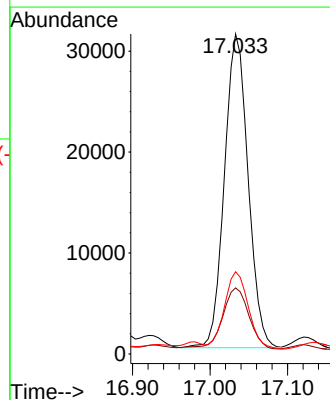
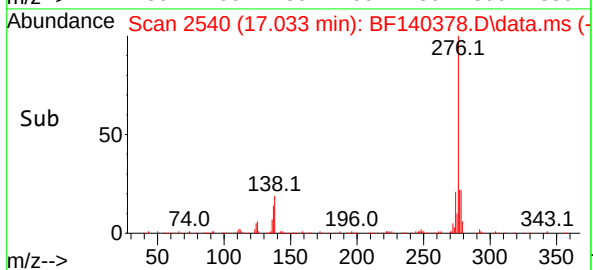
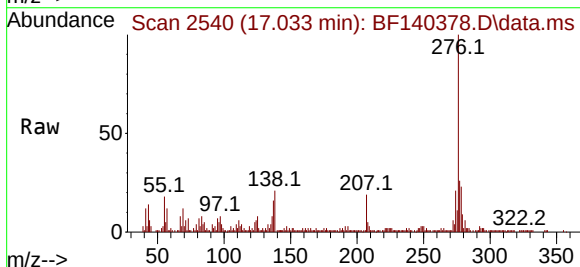
Manual Integrations
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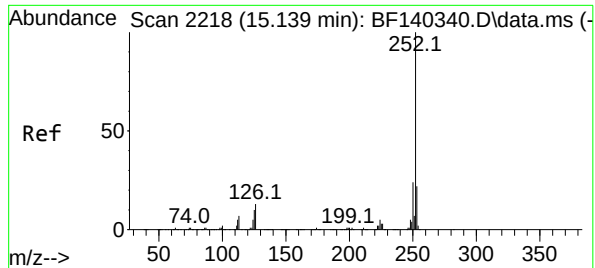
Reviewed By :Yogesh Patel 11/15/2024
Supervised By :mohammad ahmed 11/15/2024



#87
Indeno(1,2,3-cd)pyrene
Concen: 5.921 ng
RT: 17.033 min Scan# 2540
Delta R.T. -0.024 min
Lab File: BF140378.D
Acq: 14 Nov 2024 22:20

Tgt Ion:276 Resp: 66010
Ion Ratio Lower Upper
276 100
138 21.7 18.8 28.2
277 25.1 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 18.328 ng m

RT: 15.104 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF140378.D

Acq: 14 Nov 2024 22:20

Instrument :

BNA_F

ClientSampleId :

B-6-2DL

Tgt Ion:252 Resp: 21638

Ion Ratio Lower Upper

252 100

253 23.2 17.5 26.3

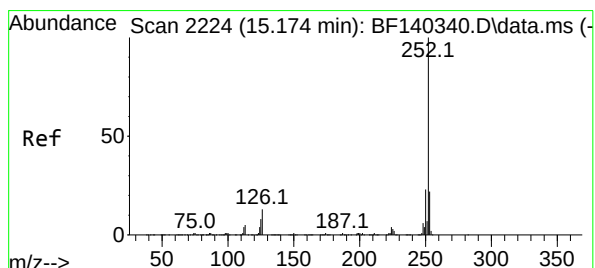
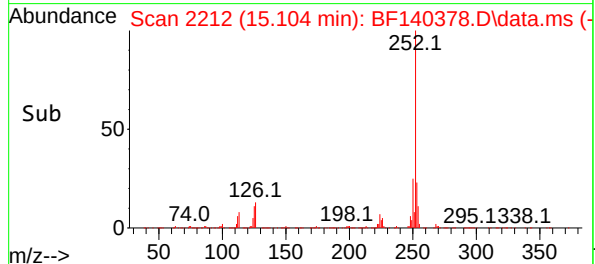
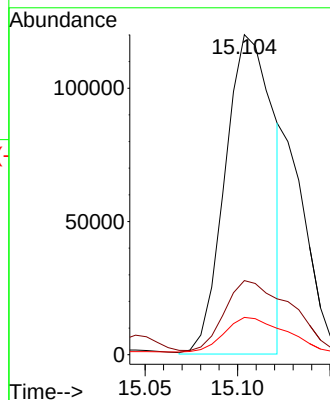
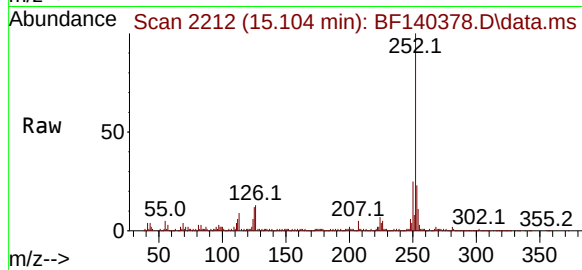
125 11.6 8.0 12.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/15/2024

Supervised By :mohammad ahmed 11/15/2024



#89

Benzo(k)fluoranthene

Concen: 7.807 ng m

RT: 15.121 min Scan# 2215

Delta R.T. -0.030 min

Lab File: BF140378.D

Acq: 14 Nov 2024 22:20

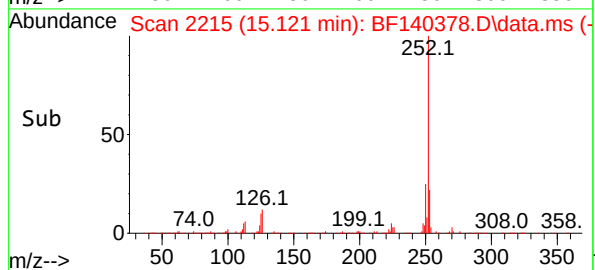
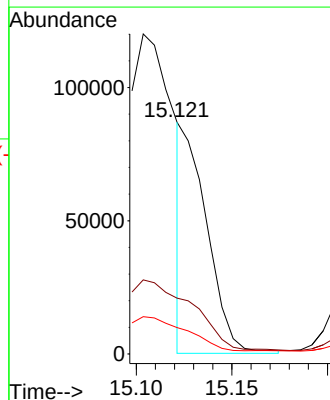
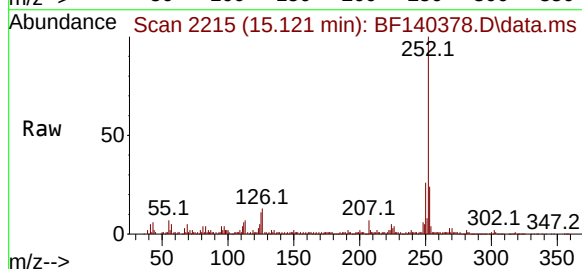
Tgt Ion:252 Resp: 75299

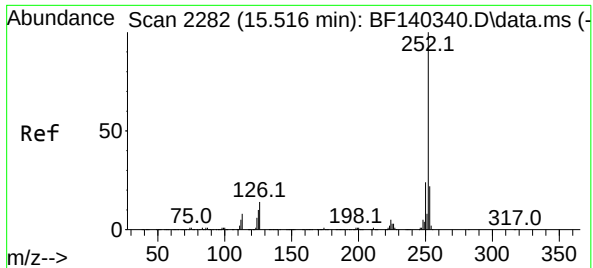
Ion Ratio Lower Upper

252 100

253 24.1 17.3 25.9

125 11.4 7.4 11.2#





#90

Benzo(a)pyrene

Concen: 15.454 ng

RT: 15.474 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF140378.D

Acq: 14 Nov 2024 22:20

Instrument :

BNA_F

ClientSampleId :

B-6-2DL

Tgt Ion:252 Resp: 14168

Ion Ratio Lower Upper

252 100

253 23.5 17.8 26.6

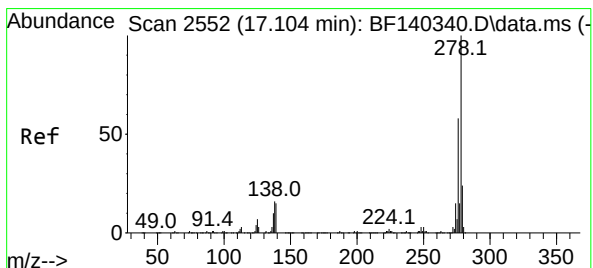
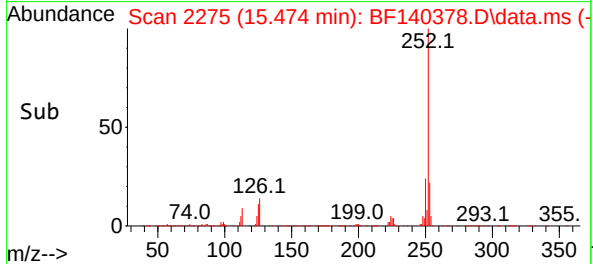
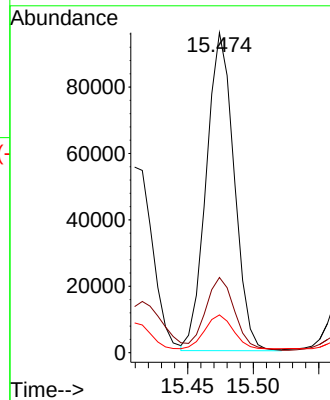
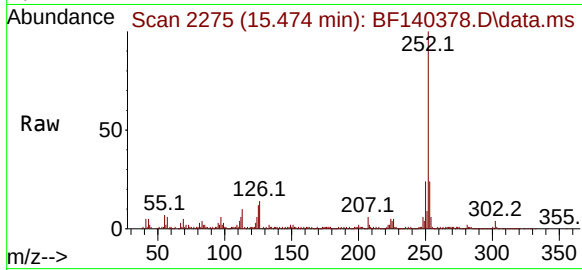
125 11.8 8.4 12.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/15/2024

Supervised By :mohammad ahmed 11/15/2024



#91

Dibenzo(a,h)anthracene

Concen: 2.183 ng

RT: 17.045 min Scan# 2542

Delta R.T. -0.030 min

Lab File: BF140378.D

Acq: 14 Nov 2024 22:20

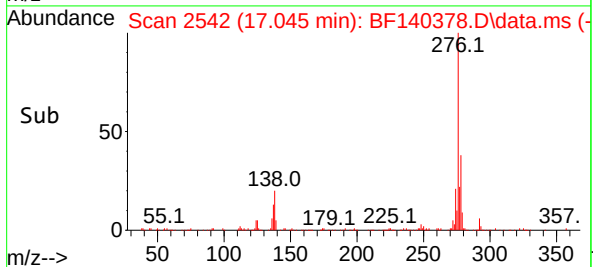
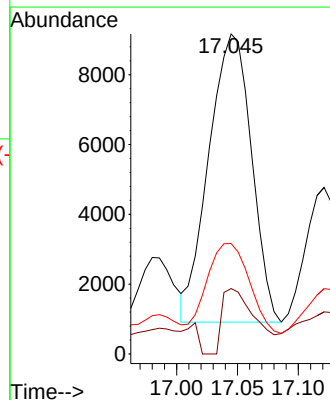
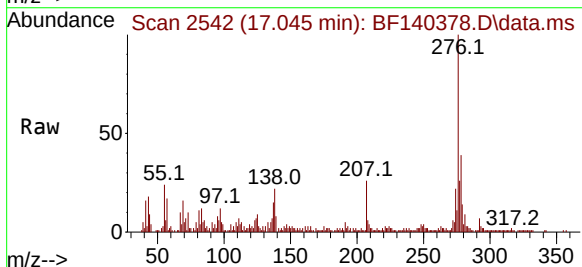
Tgt Ion:278 Resp: 20116

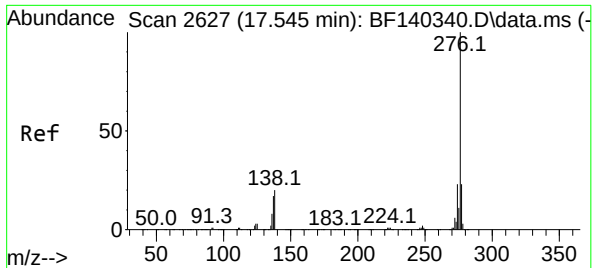
Ion Ratio Lower Upper

278 100

139 20.5 11.8 17.8#

279 34.5 18.9 28.3#





#92

Benzo(g,h,i)perylene

Concen: 5.690 ng

RT: 17.486 min Scan# 20

Delta R.T. -0.030 min

Lab File: BF140378.D

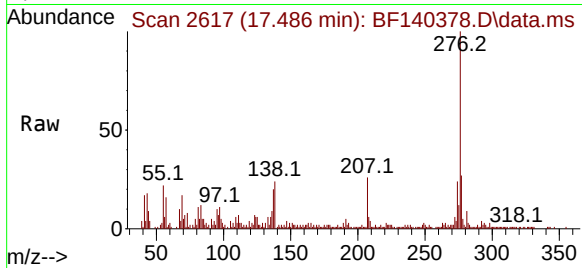
Acq: 14 Nov 2024 22:20

Instrument :

BNA_F

ClientSampleId :

B-6-2DL



Tgt Ion:276 Resp: 5360

Ion Ratio Lower Upper

276 100

277 26.6 18.6 28.0

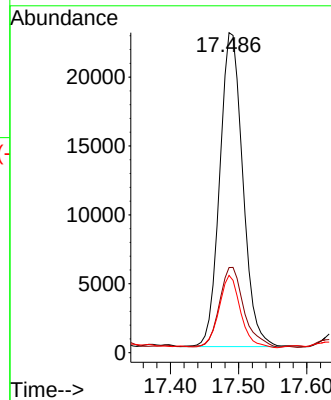
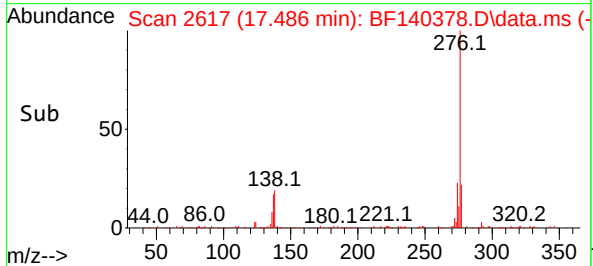
138 24.1 16.0 24.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/15/2024

Supervised By :mohammad ahmed 11/15/2024



Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-6-3	SDG No.:	P4768
Lab Sample ID:	P4768-07	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	95.4
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140486.D	1	11/08/24 09:45	11/19/24 20:47	PB164789

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	190	U	190	350	ug/Kg
108-95-2	Phenol	86.8	U	86.8	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	87.7	U	87.7	180	ug/Kg
95-57-8	2-Chlorophenol	87.5	U	87.5	180	ug/Kg
95-48-7	2-Methylphenol	84.4	U	84.4	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	95.2	U	95.2	180	ug/Kg
98-86-2	Acetophenone	91.0	U	91.0	180	ug/Kg
65794-96-9	3+4-Methylphenols	83.6	U	83.6	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	42.2	U	42.2	83.8	ug/Kg
67-72-1	Hexachloroethane	86.9	U	86.9	180	ug/Kg
98-95-3	Nitrobenzene	95.1	U	95.1	180	ug/Kg
78-59-1	Isophorone	88.6	U	88.6	180	ug/Kg
88-75-5	2-Nitrophenol	99.0	U	99.0	180	ug/Kg
105-67-9	2,4-Dimethylphenol	97.6	U	97.6	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	89.9	U	89.9	180	ug/Kg
120-83-2	2,4-Dichlorophenol	79.1	U	79.1	180	ug/Kg
91-20-3	Naphthalene	86.5	U	86.5	180	ug/Kg
106-47-8	4-Chloroaniline	86.5	U	86.5	180	ug/Kg
87-68-3	Hexachlorobutadiene	87.3	U	87.3	180	ug/Kg
105-60-2	Caprolactam	90.9	U	90.9	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	81.2	U	81.2	180	ug/Kg
91-57-6	2-Methylnaphthalene	86.4	U	86.4	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	U	160	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	74.8	U	74.8	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	77.5	U	77.5	180	ug/Kg
92-52-4	1,1-Biphenyl	91.6	U	91.6	180	ug/Kg
91-58-7	2-Chloronaphthalene	87.3	U	87.3	180	ug/Kg
88-74-4	2-Nitroaniline	99.5	U	99.5	180	ug/Kg
131-11-3	Dimethylphthalate	85.6	U	85.6	180	ug/Kg

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-6-3	SDG No.:	P4768
Lab Sample ID:	P4768-07	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	95.4
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140486.D	1	11/08/24 09:45	11/19/24 20:47	PB164789

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	90.6	U	90.6	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	87.2	U	87.2	180	ug/Kg
99-09-2	3-Nitroaniline	93.4	U	93.4	180	ug/Kg
83-32-9	Acenaphthene	85.0	U	85.0	180	ug/Kg
51-28-5	2,4-Dinitrophenol	250	U	250	350	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	350	ug/Kg
132-64-9	Dibenzofuran	88.4	U	88.4	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	90.3	U	90.3	180	ug/Kg
84-66-2	Diethylphthalate	83.9	U	83.9	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	89.7	U	89.7	180	ug/Kg
86-73-7	Fluorene	89.6	U	89.6	180	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	85.5	U	85.5	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	82.6	U	82.6	180	ug/Kg
118-74-1	Hexachlorobenzene	89.0	U	89.0	180	ug/Kg
1912-24-9	Atrazine	95.7	U	95.7	180	ug/Kg
87-86-5	Pentachlorophenol	81.0	U	81.0	350	ug/Kg
85-01-8	Phenanthrene	88.0	U	88.0	180	ug/Kg
120-12-7	Anthracene	88.4	U	88.4	180	ug/Kg
86-74-8	Carbazole	84.1	U	84.1	180	ug/Kg
84-74-2	Di-n-butylphthalate	88.3	U	88.3	180	ug/Kg
206-44-0	Fluoranthene	85.6	U	85.6	180	ug/Kg
129-00-0	Pyrene	86.9	U	86.9	180	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	100	U	100	350	ug/Kg
56-55-3	Benzo(a)anthracene	84.5	U	84.5	180	ug/Kg
218-01-9	Chrysene	83.3	U	83.3	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	95.3	U	95.3	180	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	85.0	U	85.0	180	ug/Kg

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-6-3	SDG No.:	P4768
Lab Sample ID:	P4768-07	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	95.4
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140486.D	1	11/08/24 09:45	11/19/24 20:47	PB164789

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	86.5	U	86.5	180	ug/Kg
50-32-8	Benzo(a)pyrene	97.4	U	97.4	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	81.8	U	81.8	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	85.1	U	85.1	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	83.9	U	83.9	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	90.9	U	90.9	180	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	78.2	U	78.2	180	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	91.7		18 - 112	61%	SPK: 150
13127-88-3	Phenol-d6	87.5		15 - 107	58%	SPK: 150
4165-60-0	Nitrobenzene-d5	65.6		18 - 107	66%	SPK: 100
321-60-8	2-Fluorobiphenyl	75.7		20 - 109	76%	SPK: 100
118-79-6	2,4,6-Tribromophenol	85.4		10 - 116	57%	SPK: 150
1718-51-0	Terphenyl-d14	72.6		10 - 105	73%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	128000	6.875
1146-65-2	Naphthalene-d8	442000	8.151
15067-26-2	Acenaphthene-d10	205000	9.91
1517-22-2	Phenanthrene-d10	338000	11.398
1719-03-5	Chrysene-d12	205000	14.045
1520-96-3	Perylene-d12	164000	15.533

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	2300	JB	2.16	ug/Kg
004744-10-9	Propane, 1,1-dimethoxy-	78.9	J	2.27	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	130	AB	5.10	ug/Kg
000119-61-9	Benzophenone	400	J	10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	330	J	11.9	ug/Kg
000301-02-0	9-Octadecenamide, (Z)-	200	J	13.5	ug/Kg
007683-64-9	Supraene	240	J	14.9	ug/Kg

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-6-3	SDG No.:	P4768
Lab Sample ID:	P4768-07	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	95.4
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140486.D	1	11/08/24 09:45	11/19/24 20:47	PB164789

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

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\BF111924\
Data File : BF140486.D
Acq On : 19 Nov 2024 20:47
Operator : RC/JU
Sample : P4768-07
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-6-3

Quant Time: Nov 20 00:12:06 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	127675	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	442278	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	205389	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	337964	20.000	ng	0.00
76) Chrysene-d12	14.045	240	204768	20.000	ng	0.00
86) Perylene-d12	15.533	264	163923	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	685410	91.659	ng	0.01
7) Phenol-d6	6.510	99	886378	87.490	ng	0.00
23) Nitrobenzene-d5	7.434	82	556589	65.569	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	174333	85.356	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	967159	75.698	ng	0.00
79) Terphenyl-d14	12.986	244	856499	72.604	ng	0.00

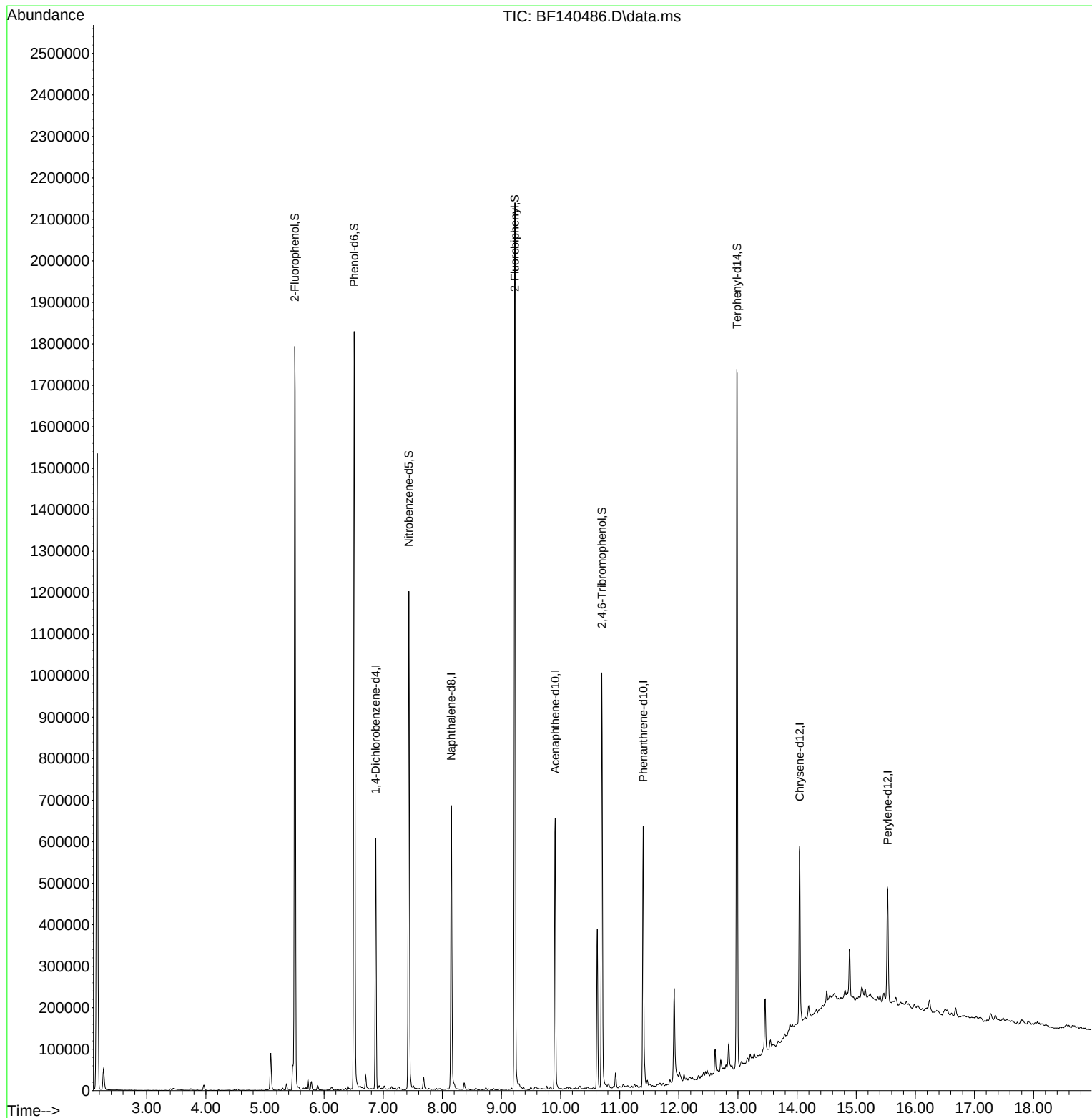
Target Compounds	Qvalue

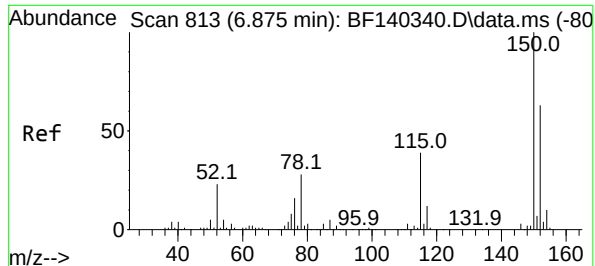
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111924\
Data File : BF140486.D
Acq On : 19 Nov 2024 20:47
Operator : RC/JU
Sample : P4768-07
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-6-3

Quant Time: Nov 20 00:12:06 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

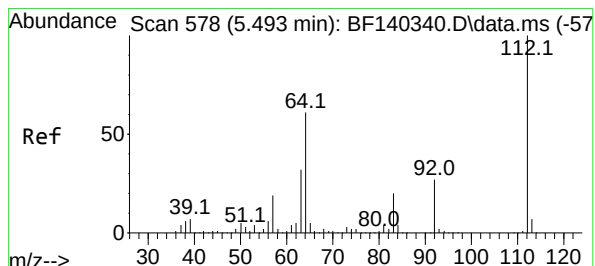
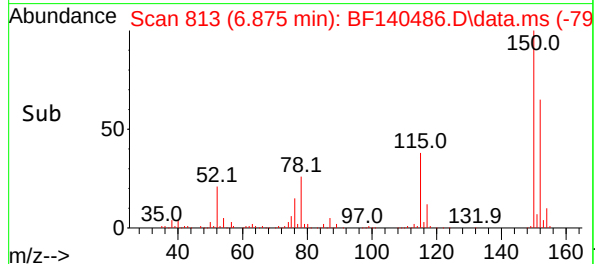
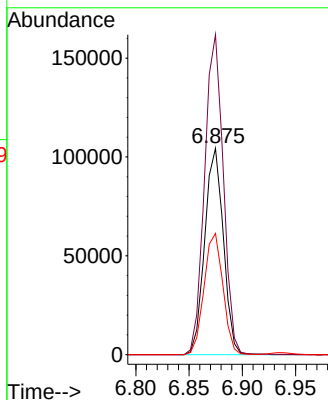
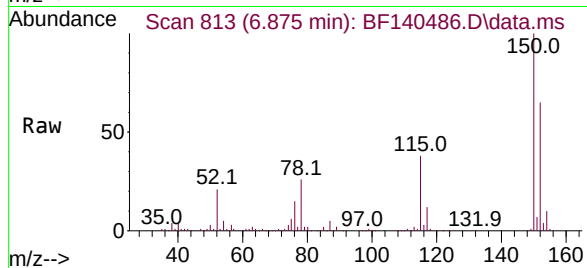




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF140486.D
Acq: 19 Nov 2024 20:47

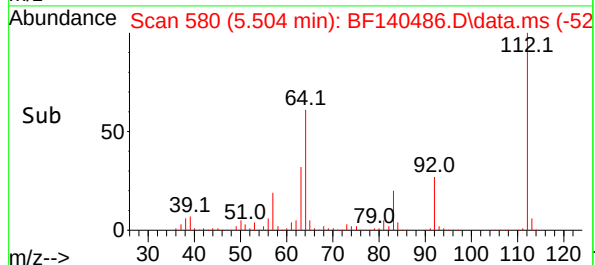
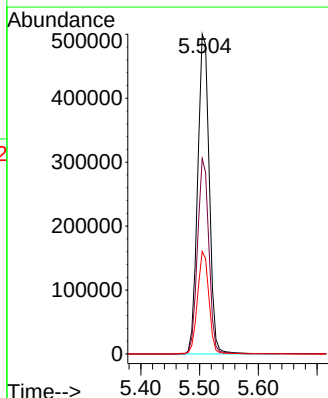
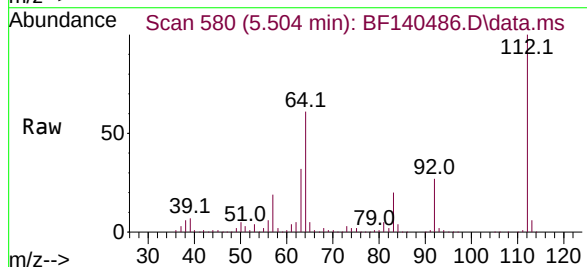
Instrument :
BNA_F
ClientSampleId :
B-6-3

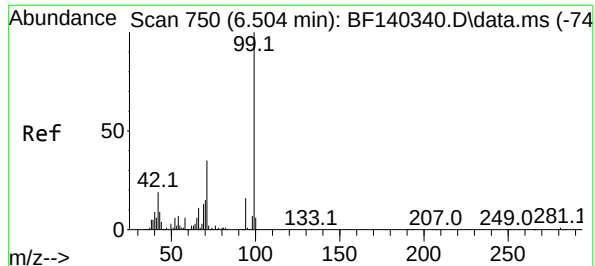
Tgt Ion:152 Resp: 127675
Ion Ratio Lower Upper
152 100
150 155.0 127.4 191.0
115 58.7 47.4 71.2



#5
2-Fluorophenol
Concen: 91.659 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.012 min
Lab File: BF140486.D
Acq: 19 Nov 2024 20:47

Tgt Ion:112 Resp: 685410
Ion Ratio Lower Upper
112 100
64 61.1 49.2 73.8
63 32.0 25.6 38.4

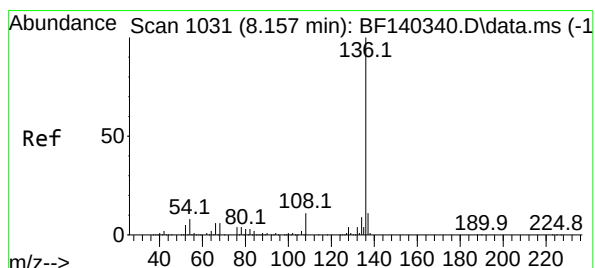
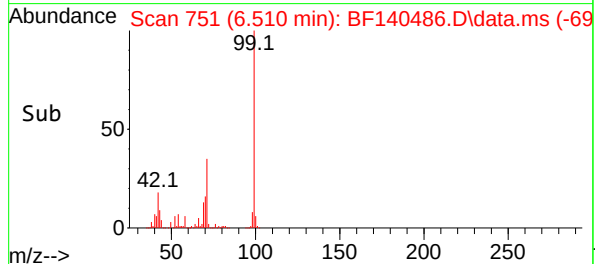
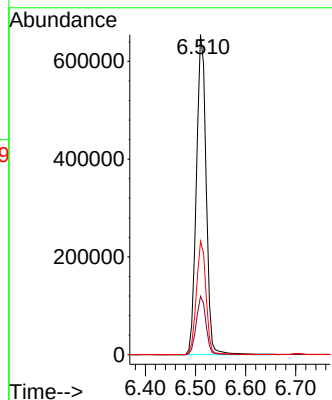
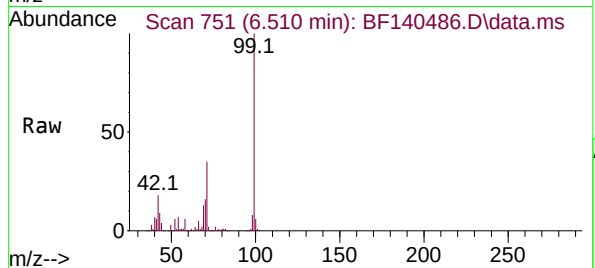




#7
Phenol-d6
Concen: 87.490 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF140486.D
Acq: 19 Nov 2024 20:47

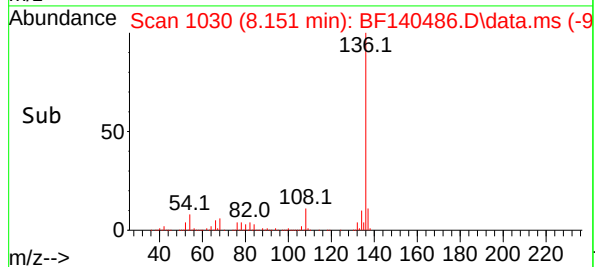
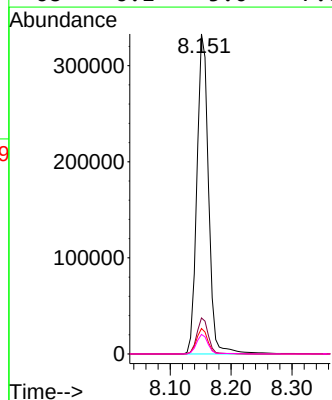
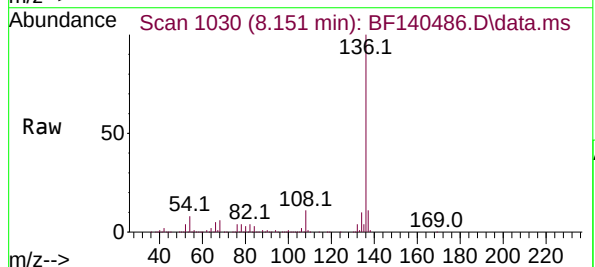
Instrument :
BNA_F
ClientSampleId :
B-6-3

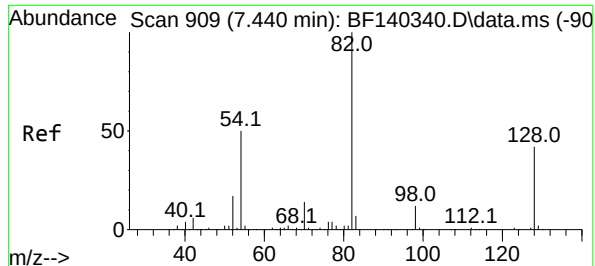
Tgt Ion: 99 Resp: 886378
Ion Ratio Lower Upper
99 100
42 18.2 15.1 22.7
71 35.4 27.9 41.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140486.D
Acq: 19 Nov 2024 20:47

Tgt Ion: 136 Resp: 442278
Ion Ratio Lower Upper
136 100
137 11.3 8.7 13.1
54 8.0 6.5 9.7
68 6.1 5.0 7.6





#23

Nitrobenzene-d5

Concen: 65.569 ng

RT: 7.434 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF140486.D

Acq: 19 Nov 2024 20:47

Instrument :

BNA_F

ClientSampleId :

B-6-3

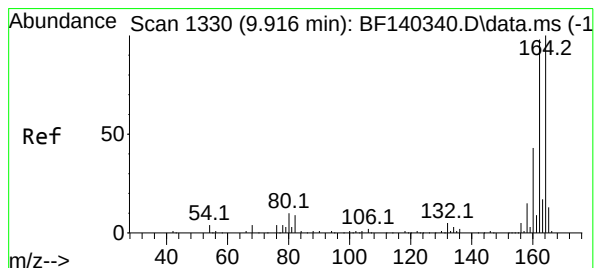
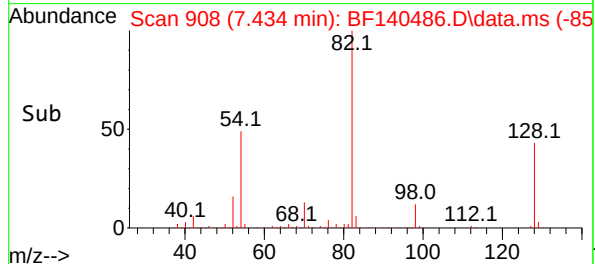
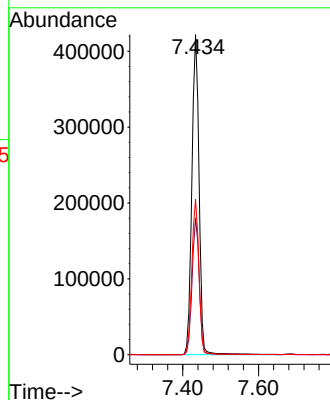
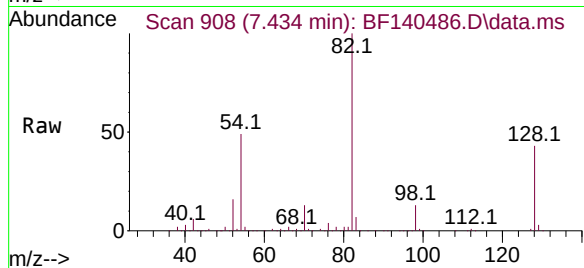
Tgt Ion: 82 Resp: 556589

Ion Ratio Lower Upper

82 100

128 42.8 33.3 49.9

54 48.5 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: BF140486.D

Acq: 19 Nov 2024 20:47

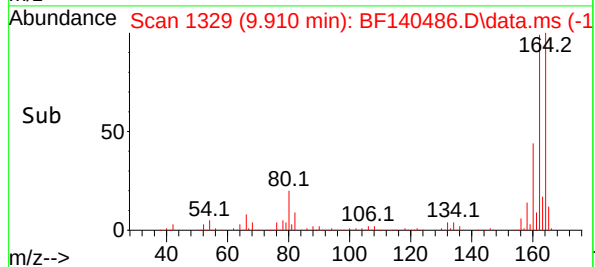
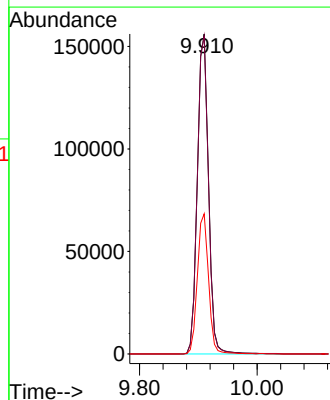
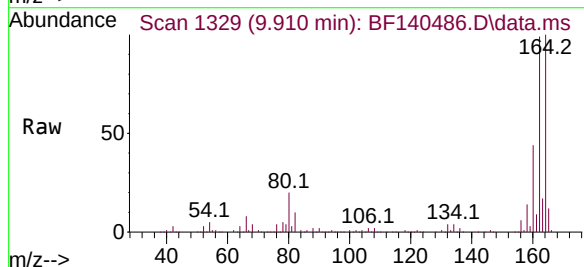
Tgt Ion:164 Resp: 205389

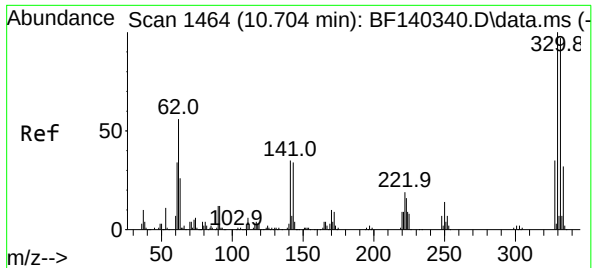
Ion Ratio Lower Upper

164 100

162 99.3 79.8 119.8

160 43.8 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 85.356 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF140486.D

Acq: 19 Nov 2024 20:47

Instrument :

BNA_F

ClientSampleId :

B-6-3

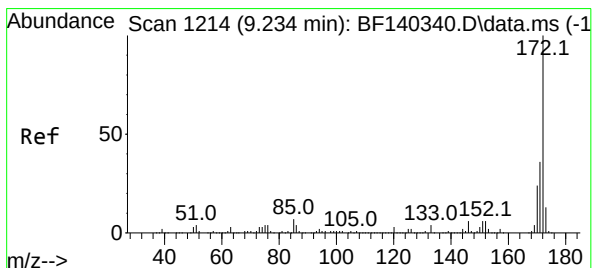
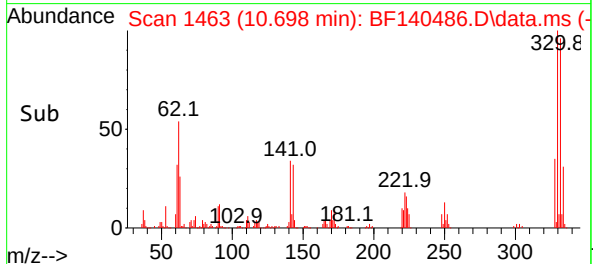
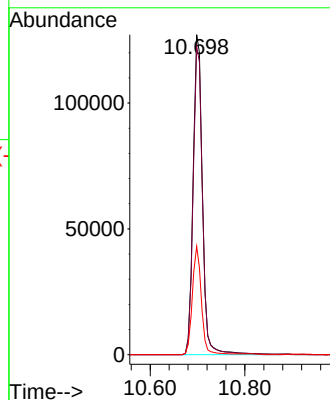
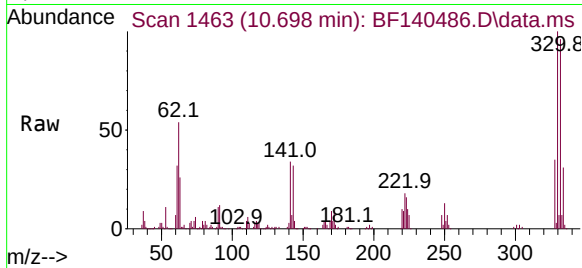
Tgt Ion:330 Resp: 174333

Ion Ratio Lower Upper

330 100

332 96.4 75.9 113.9

141 32.7 26.9 40.3



#45

2-Fluorobiphenyl

Concen: 75.698 ng

RT: 9.228 min Scan# 1213

Delta R.T. -0.006 min

Lab File: BF140486.D

Acq: 19 Nov 2024 20:47

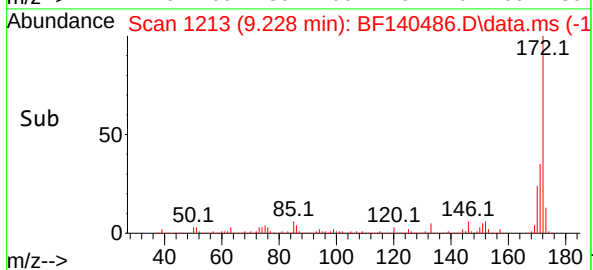
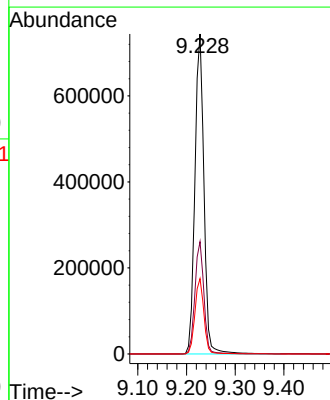
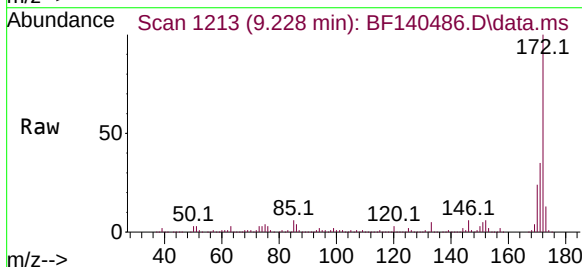
Tgt Ion:172 Resp: 967159

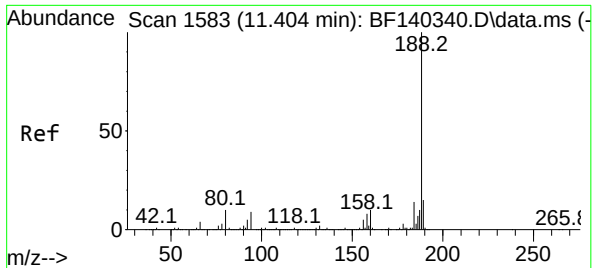
Ion Ratio Lower Upper

172 100

171 35.1 28.5 42.7

170 23.6 19.1 28.7

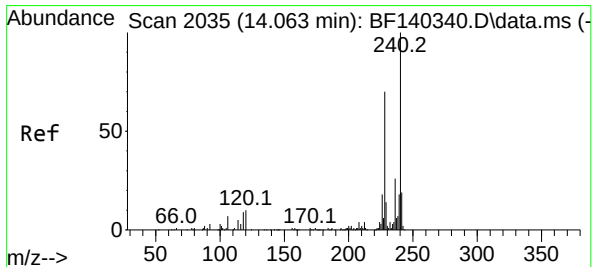
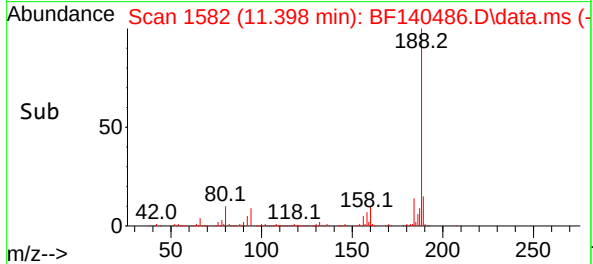
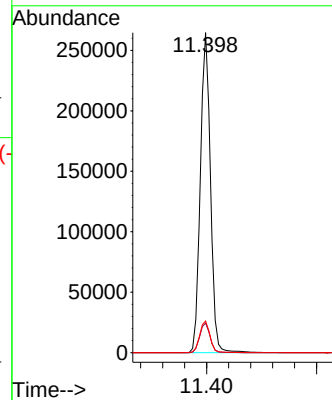
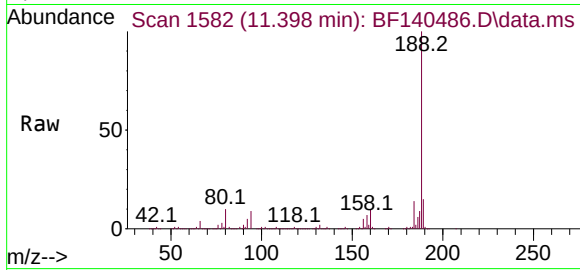




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140486.D
Acq: 19 Nov 2024 20:47

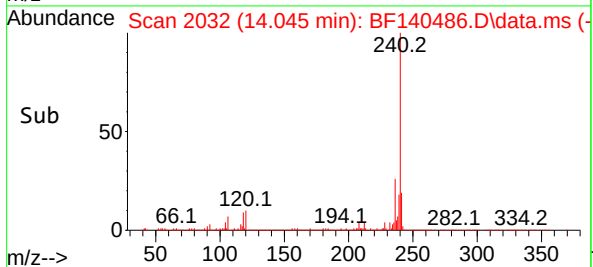
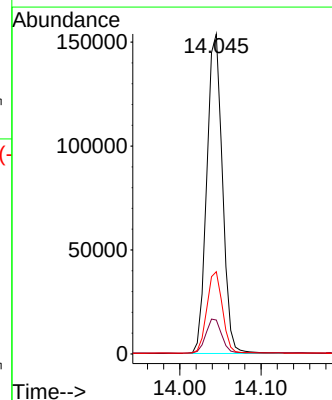
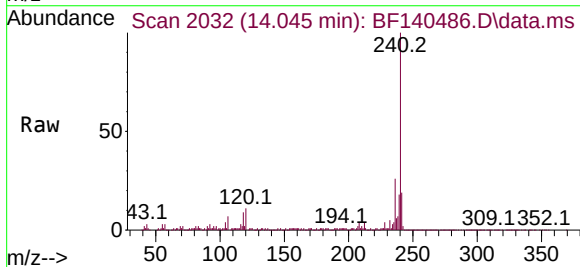
Instrument :
BNA_F
ClientSampleId :
B-6-3

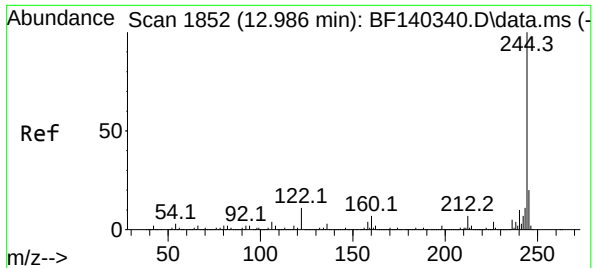
Tgt Ion:188 Resp: 337964
Ion Ratio Lower Upper
188 100
94 9.3 7.6 11.4
80 9.9 8.0 12.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF140486.D
Acq: 19 Nov 2024 20:47

Tgt Ion:240 Resp: 204768
Ion Ratio Lower Upper
240 100
120 10.6 8.8 13.2
236 25.7 20.9 31.3

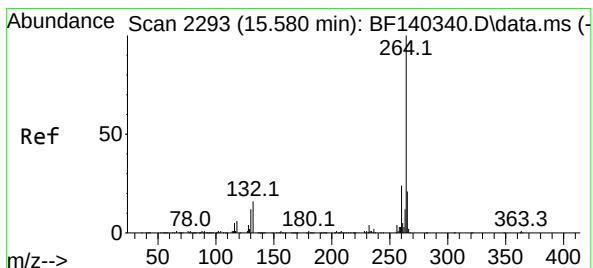
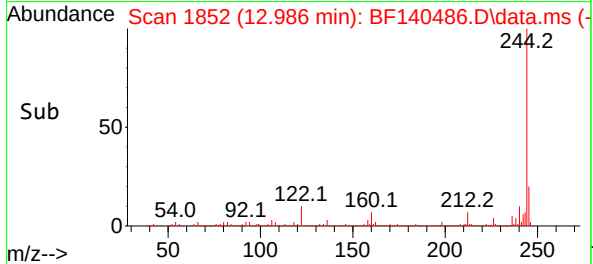
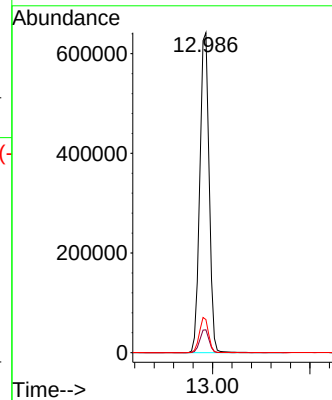
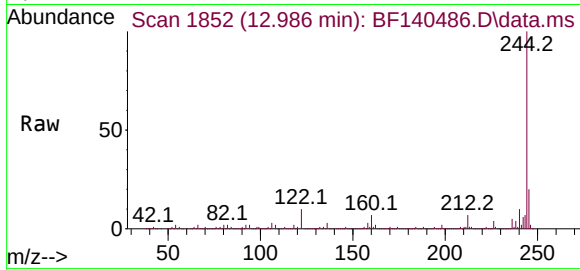




#79
 Terphenyl-d14
 Concen: 72.604 ng
 RT: 12.986 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF140486.D
 Acq: 19 Nov 2024 20:47

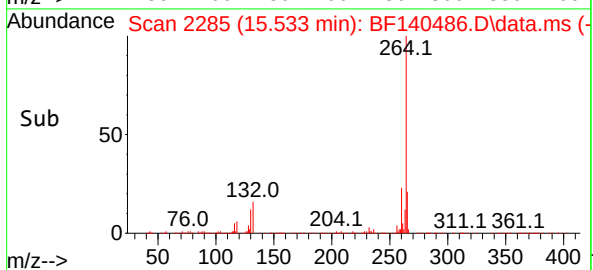
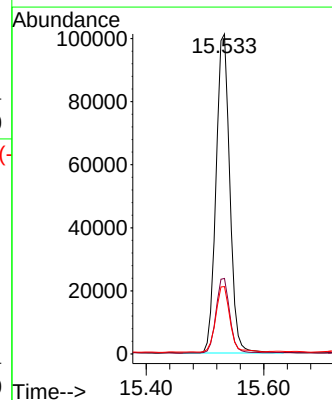
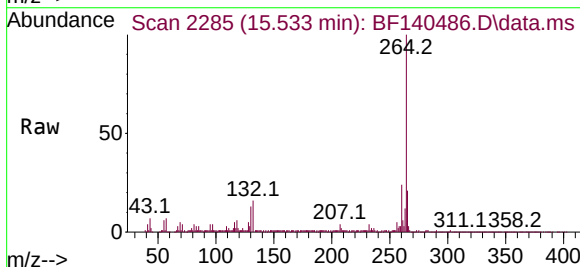
Instrument :
 BNA_F
 ClientSampleId :
 B-6-3

Tgt Ion:244 Resp: 856499
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.8
 122 10.3 8.8 13.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.533 min Scan# 2285
 Delta R.T. -0.024 min
 Lab File: BF140486.D
 Acq: 19 Nov 2024 20:47

Tgt Ion:264 Resp: 163923
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.2 28.8
 265 21.1 17.1 25.7



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111924\
Data File : BF140486.D
Acq On : 19 Nov 2024 20:47
Operator : RC/JU
Sample : P4768-07
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-6-3

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

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

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF140486.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.163	4	12	22	rVB	1532930	2405312	87.12%	11.100%
2	2.269	24	30	39	rVB3	48847	84146	3.05%	0.388%
3	5.098	505	511	522	rVB	89113	135421	4.91%	0.625%
4	5.469	569	574	575	rBV	60067	65817	2.38%	0.304%
5	5.504	575	580	590	rVB	1788271	2430828	88.05%	11.218%
6	5.728	614	618	623	rVB	25728	33417	1.21%	0.154%
7	6.510	745	751	764	rBV	1826654	2491200	90.24%	11.497%
8	6.704	779	784	795	rVB2	32197	47115	1.71%	0.217%
9	6.875	808	813	818	rVB	603389	743247	26.92%	3.430%
10	7.434	902	908	917	rBV	1198315	1568807	56.82%	7.240%
11	7.686	945	951	962	rVB	27871	43648	1.58%	0.201%
12	8.151	1022	1030	1048	rBV	684152	927405	33.59%	4.280%
13	9.228	1207	1213	1223	rBV	2136758	2760780	100.00%	12.741%
14	9.910	1323	1329	1343	rBV	652736	867372	31.42%	4.003%
15	10.622	1444	1450	1458	rBV	385929	498027	18.04%	2.298%
16	10.698	1458	1463	1473	rBV	999329	1317738	47.73%	6.081%
17	10.933	1498	1503	1509	rVB	36526	51502	1.87%	0.238%
18	11.398	1577	1582	1591	rBV	628438	865251	31.34%	3.993%
19	11.921	1665	1671	1683	rVV2	227677	410659	14.87%	1.895%
20	12.010	1683	1686	1695	rVB3	21834	47221	1.71%	0.218%
21	12.616	1785	1789	1794	rBV	59117	83878	3.04%	0.387%
22	12.710	1801	1805	1812	rBV4	27775	52275	1.89%	0.241%
23	12.845	1823	1828	1834	rBV	55673	84010	3.04%	0.388%
24	12.980	1846	1851	1859	rBV	1674404	2262356	81.95%	10.441%
25	13.463	1928	1933	1940	rVB	121198	173945	6.30%	0.803%
26	14.045	2027	2032	2040	rBV	425012	613237	22.21%	2.830%
27	14.886	2172	2175	2181	rVB	114181	153920	5.58%	0.710%
28	15.533	2280	2285	2292	rVB	272843	450360	16.31%	2.078%

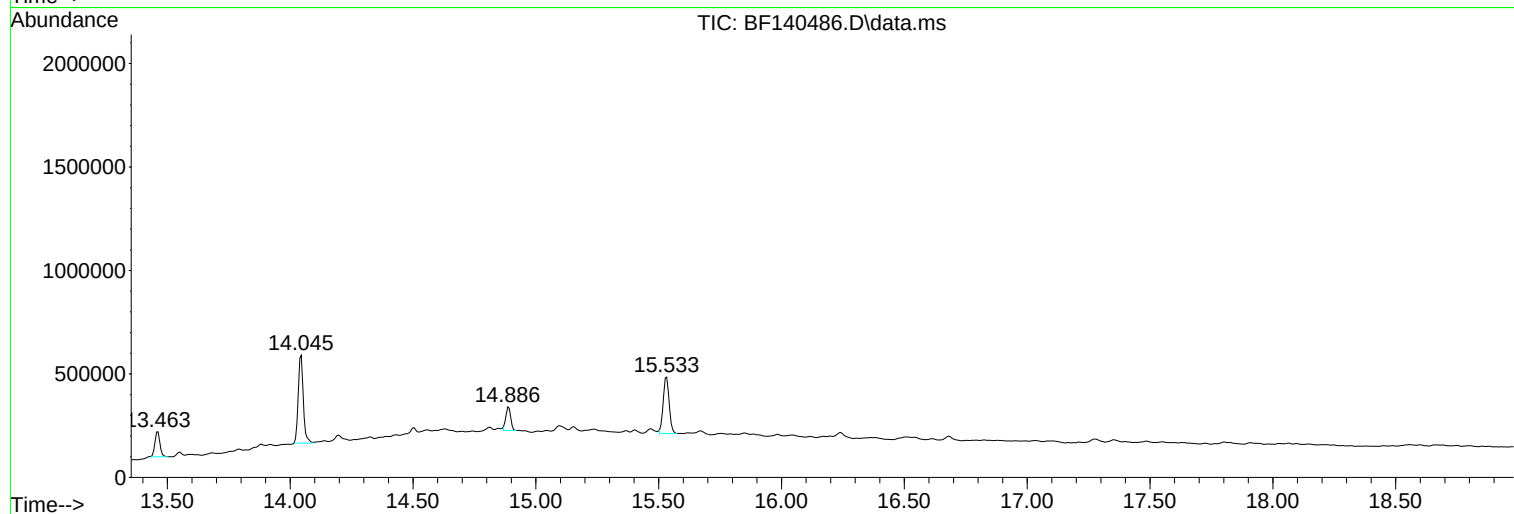
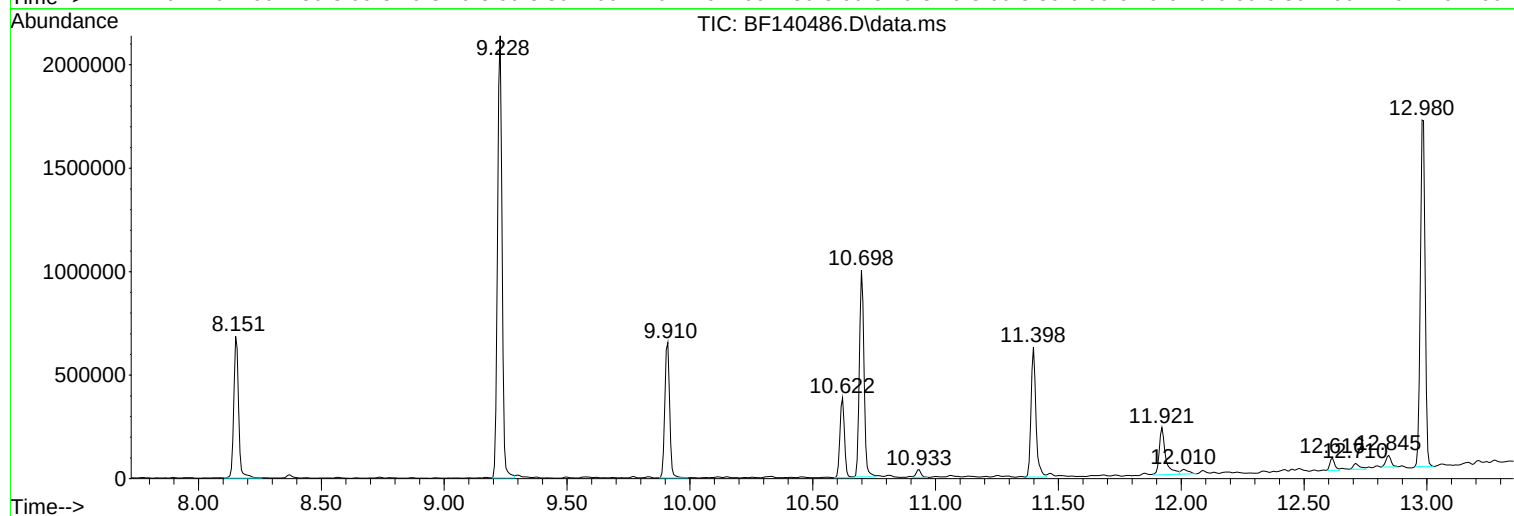
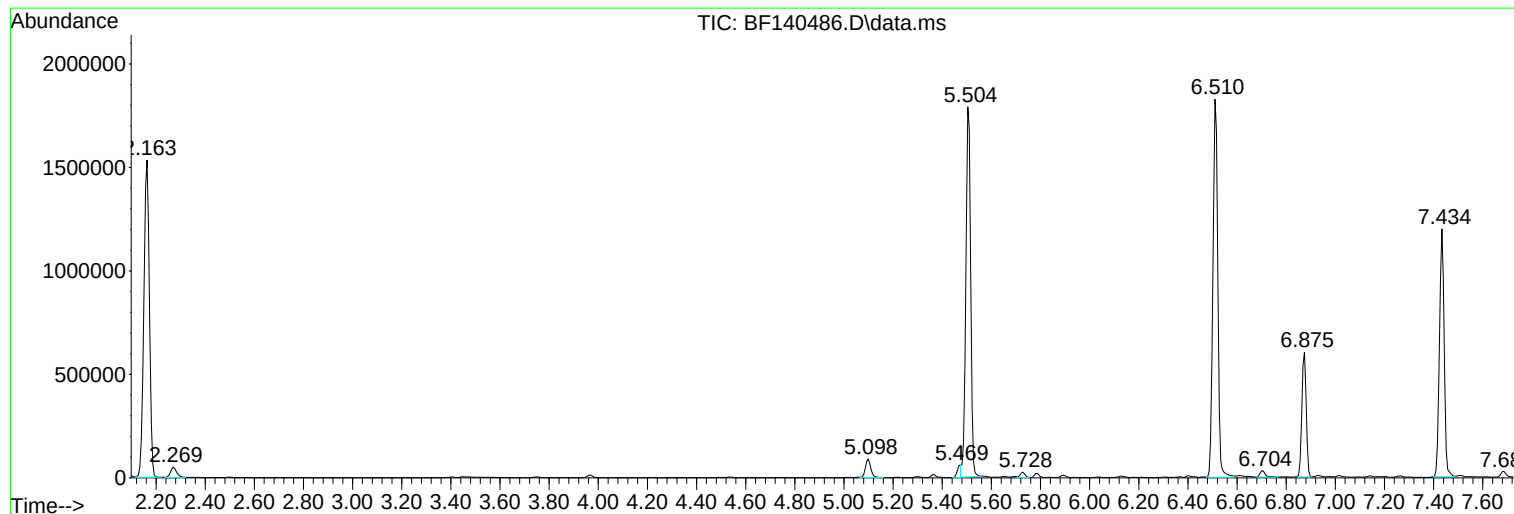
Sum of corrected areas: 21668894

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111924\
Data File : BF140486.D
Acq On : 19 Nov 2024 20:47
Operator : RC/JU
Sample : P4768-07
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-6-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111924\
Data File : BF140486.D
Acq On : 19 Nov 2024 20:47
Operator : RC/JU
Sample : P4768-07
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-6-3

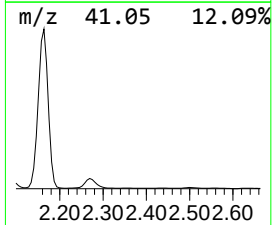
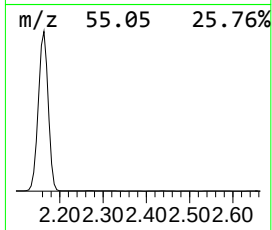
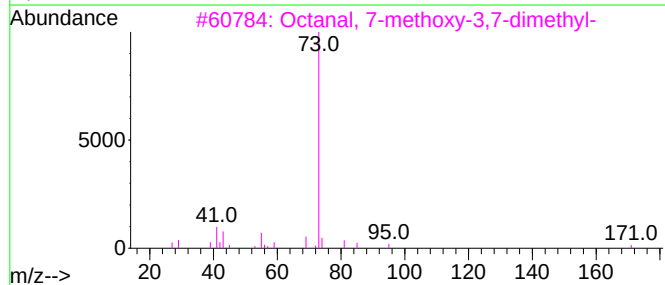
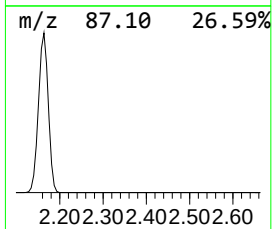
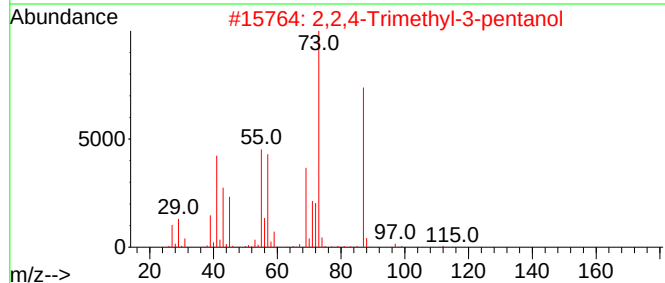
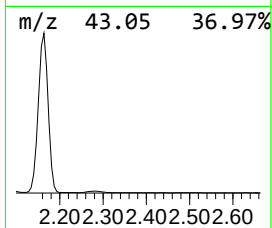
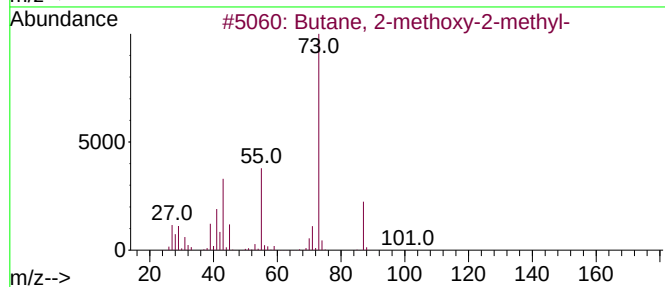
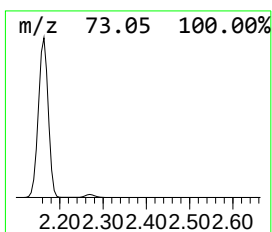
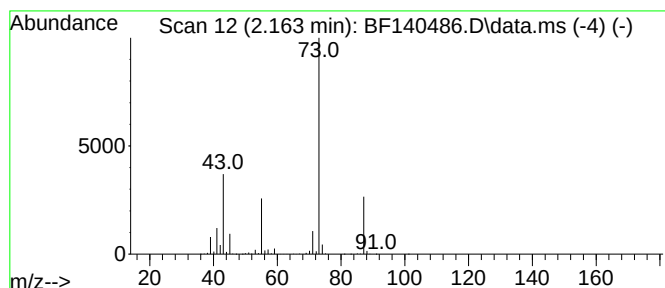
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.163	64.72 ng	2405310	1,4-Dichlorobenzene-d4	6.875

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3			Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	23
4			Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	22
5			Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111924\
Data File : BF140486.D
Acq On : 19 Nov 2024 20:47
Operator : RC/JU
Sample : P4768-07
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-6-3

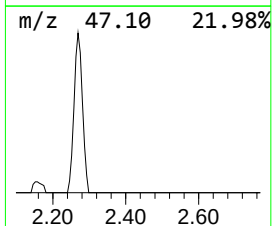
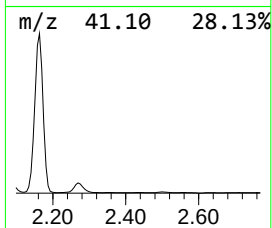
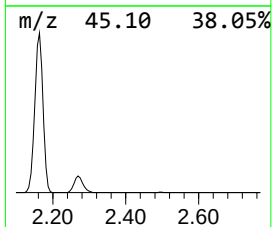
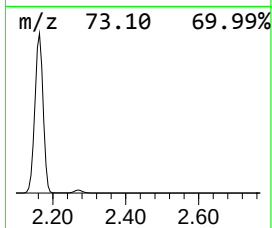
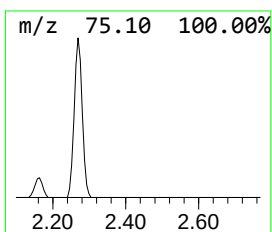
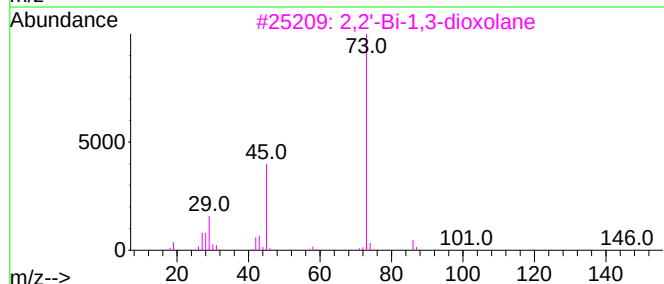
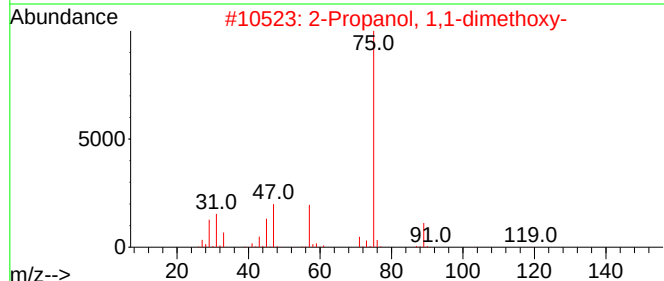
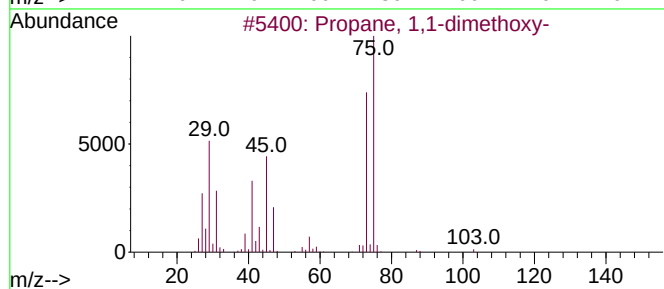
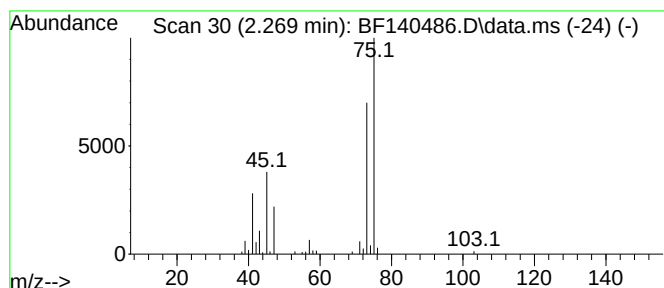
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Propane, 1,1-dimethoxy- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.269	2.26 ng	84146	1,4-Dichlorobenzene-d4	6.875

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Propane, 1,1-dimethoxy-	104	C5H12O2	004744-10-9	83
2			2-Propanol, 1,1-dimethoxy-	120	C5H12O3	042919-42-6	36
3			2,2'-Bi-1,3-dioxolane	146	C6H10O4	006705-89-1	14
4			Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12
5			2,5-Diethoxy-3-methyl-3-vinylhexane	214	C13H26O2	1000432-70-8	10



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111924\
Data File : BF140486.D
Acq On : 19 Nov 2024 20:47
Operator : RC/JU
Sample : P4768-07
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-6-3

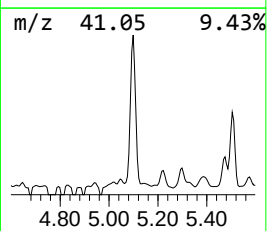
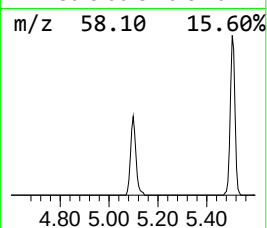
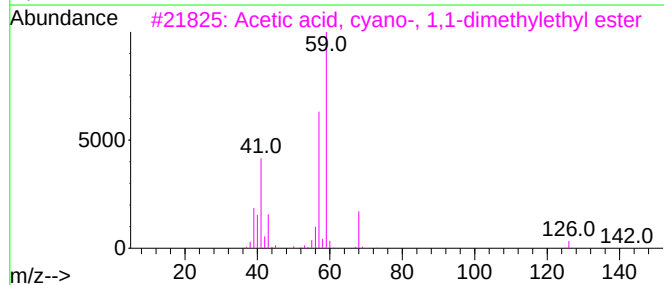
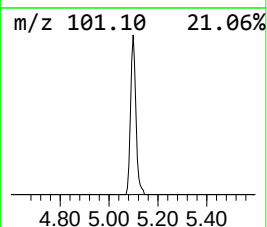
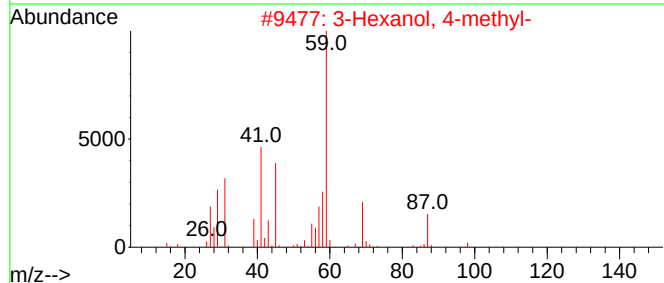
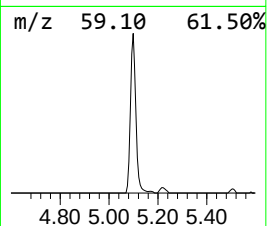
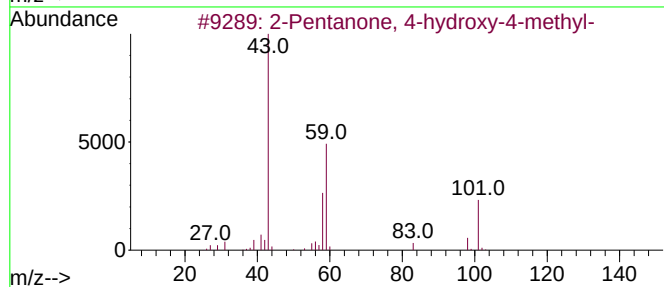
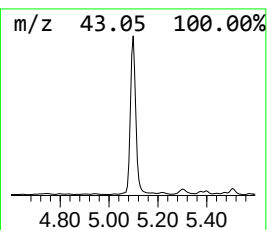
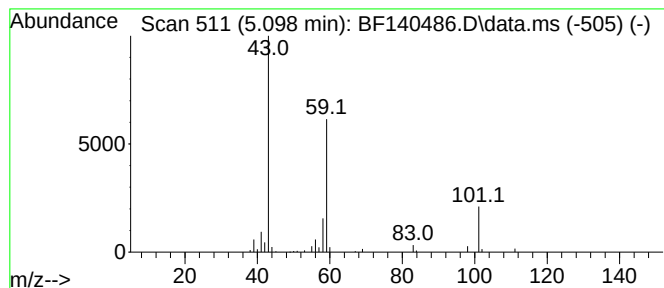
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.098	3.64 ng	135421	1,4-Dichlorobenzene-d4	6.875

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2		3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	28
3		Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
4		1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
5		2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111924\
Data File : BF140486.D
Acq On : 19 Nov 2024 20:47
Operator : RC/JU
Sample : P4768-07
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-6-3

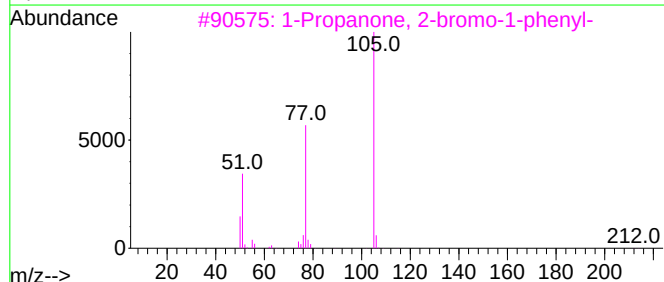
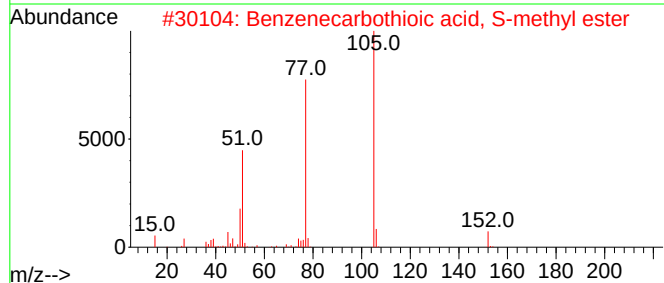
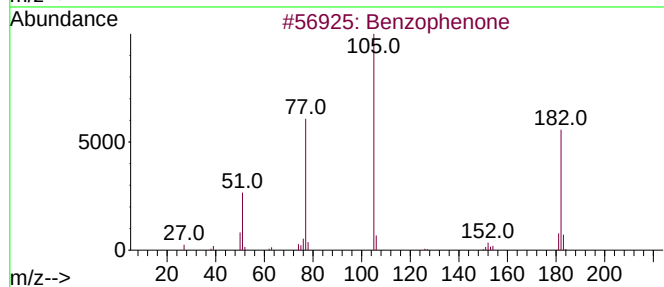
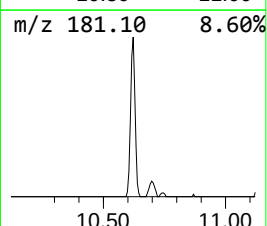
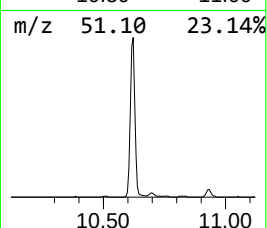
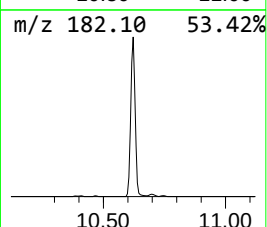
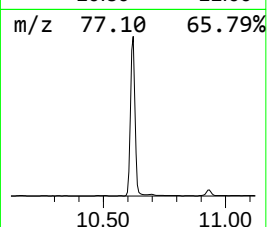
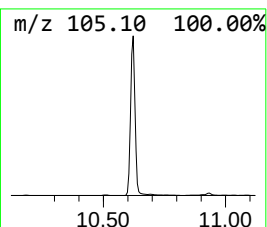
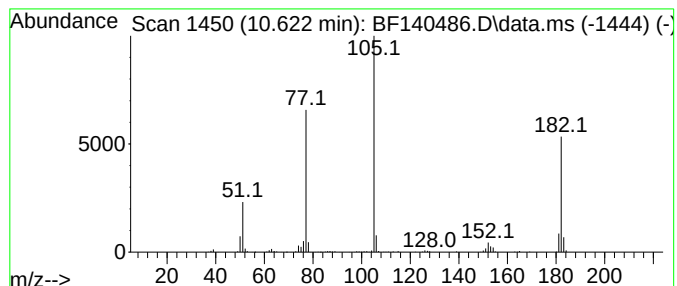
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.622	11.48 ng	498027	Acenaphthene-d10	9.910

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	50
3			1-Propanone, 2-bromo-1-phenyl-	212	C9H9BrO	002114-00-3	47
4			Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	47
5			Benzenepropanenitrile, .beta.-oxo-	145	C9H7NO	000614-16-4	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111924\
Data File : BF140486.D
Acq On : 19 Nov 2024 20:47
Operator : RC/JU
Sample : P4768-07
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-6-3

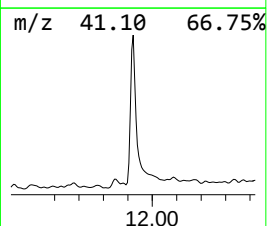
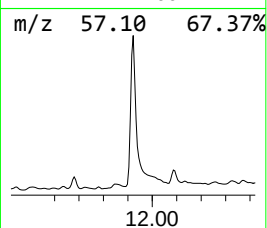
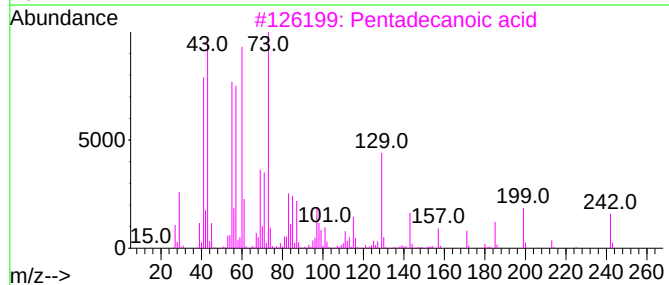
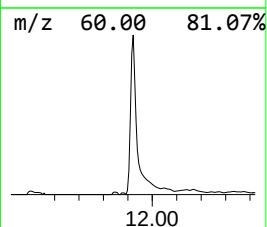
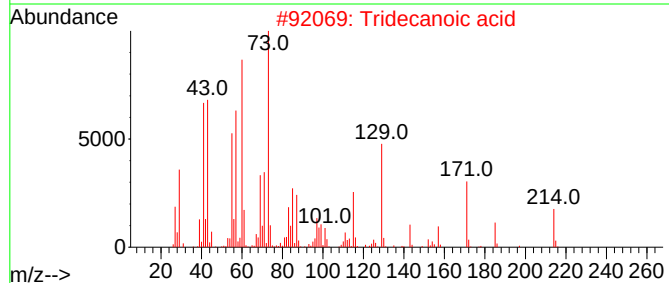
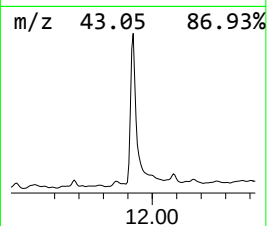
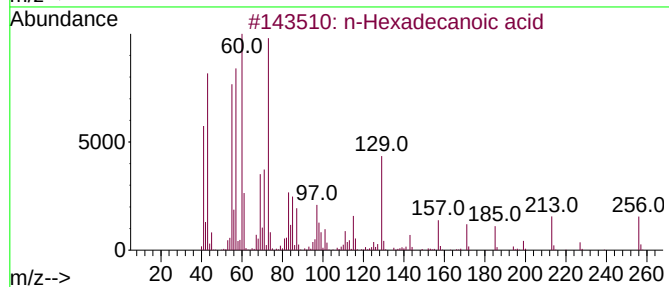
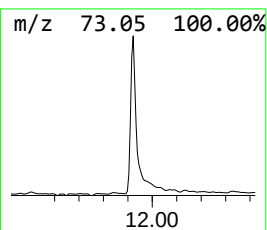
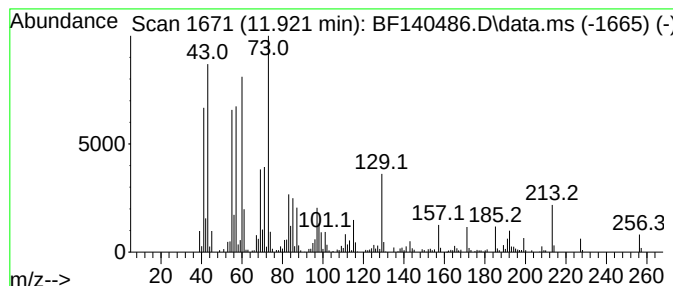
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.922	9.49 ng	410659	Phenanthrene-d10	11.398

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2			Tridecanoic acid	214	C13H26O2	000638-53-9	94
3			Pentadecanoic acid	242	C15H30O2	001002-84-2	91
4			Tetradecanoic acid	228	C14H28O2	000544-63-8	91
5			8-Methylnonanoic acid	172	C10H20O2	005963-14-4	60



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111924\
Data File : BF140486.D
Acq On : 19 Nov 2024 20:47
Operator : RC/JU
Sample : P4768-07
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-6-3

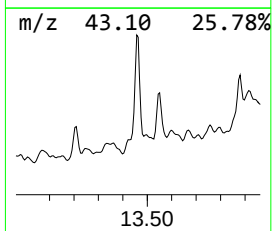
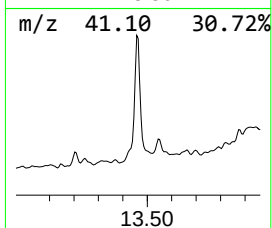
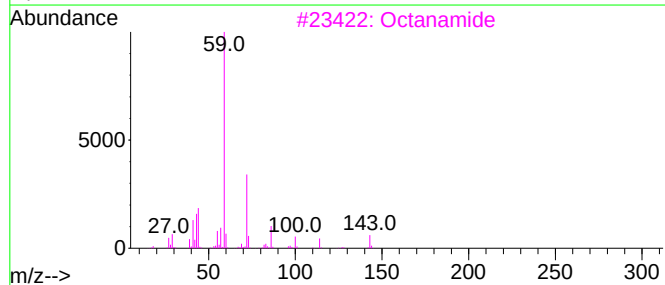
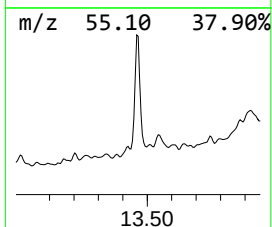
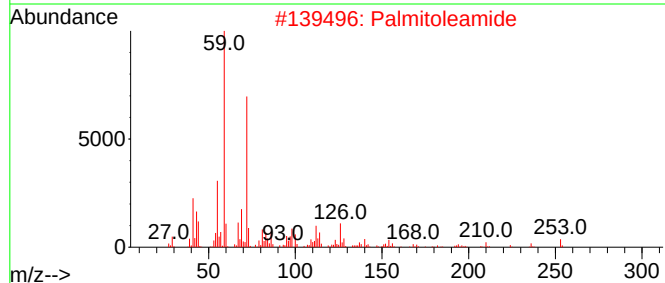
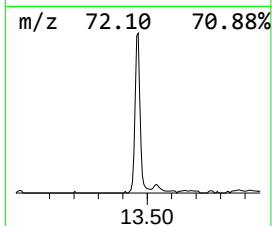
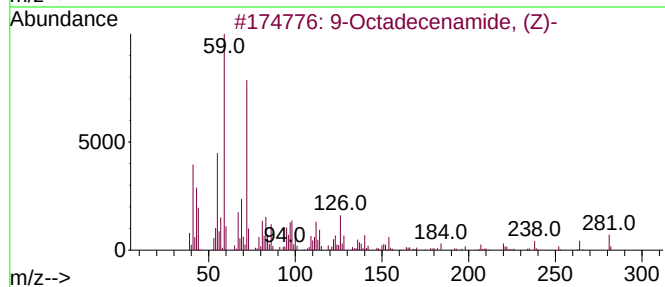
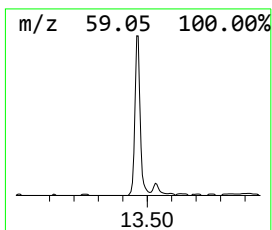
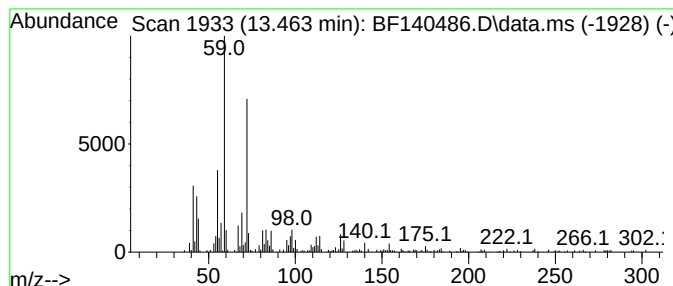
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 9-Octadecenamide, (Z)- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.463	5.67 ng	173945	Chrysene-d12	14.045

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		9-Octadecenamide, (Z)-	281	C18H35NO	000301-02-0	94
2		Palmitoleamide	253	C16H31NO	106010-22-4	83
3		Octanamide	143	C8H17NO	000629-01-6	59
4		Octadecanamide	283	C18H37NO	000124-26-5	59
5		Nonanamide	157	C9H19NO	001120-07-6	53



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111924\
Data File : BF140486.D
Acq On : 19 Nov 2024 20:47
Operator : RC/JU
Sample : P4768-07
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-6-3

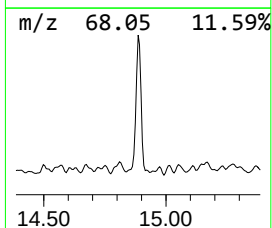
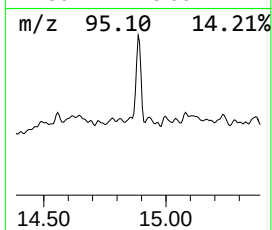
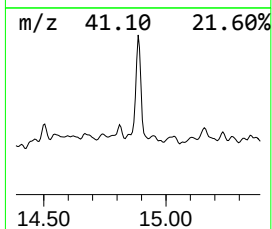
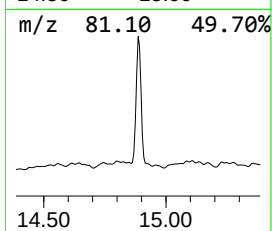
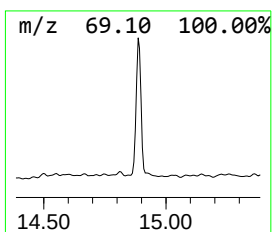
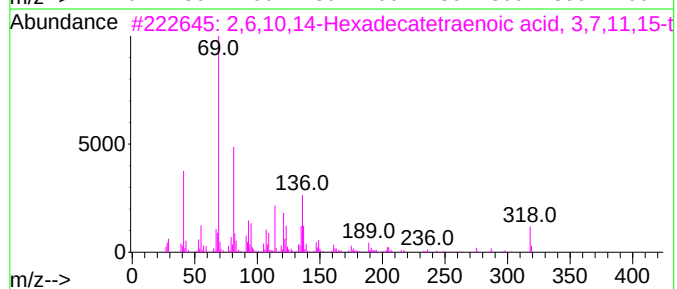
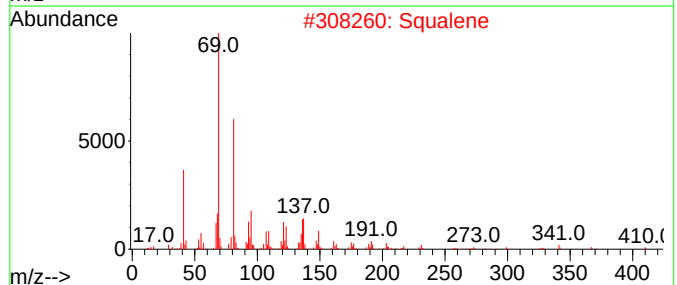
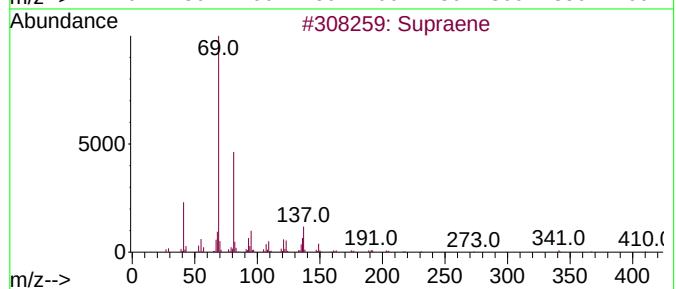
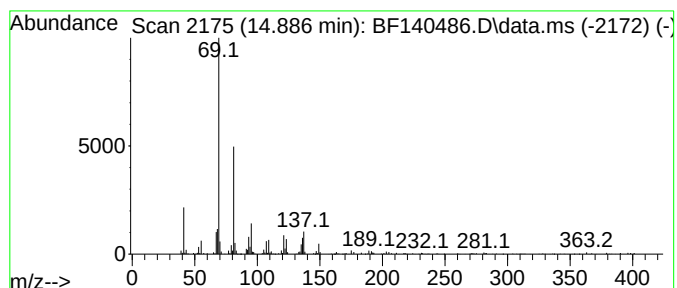
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Supraene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.886	6.84 ng	153920	Perylene-d12	15.533

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Supraene	410	C30H50	007683-64-9	91
2			Squalene	410	C30H50	000111-02-4	90
3			2,6,10,14-Hexadecatetraenoic aci...	318	C21H34O2	042207-88-5	72
4			7,11-Dimethyldodeca-2,6,10-trien...	208	C14H24O	125529-10-4	72
5			4,8,12-Tetradecatrienal, 5,9,13-...	248	C17H28O	066408-55-7	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111924\
Data File : BF140486.D
Acq On : 19 Nov 2024 20:47
Operator : RC/JU
Sample : P4768-07
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-6-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-metho...	2.163	64.7	ng	2405310	1	6.875	743247	20.0
Propane, 1,1-di...	2.269	2.3	ng	84146	1	6.875	743247	20.0
2-Pentanone, 4-...	5.098	3.6	ng	135421	1	6.875	743247	20.0
Benzophenone	10.622	11.5	ng	498027	3	9.910	867372	20.0
n-Hexadecanoic ...	11.922	9.5	ng	410659	4	11.398	865251	20.0
9-Octadecenamid...	13.463	5.7	ng	173945	5	14.045	613237	20.0
Supraene	14.886	6.8	ng	153920	6	15.533	450360	20.0



CALIBRATION SUMMARY

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: JPCL01
 Lab Code: CHEM Case No.: P4768 SAS No.: P4768 SDG No.: P4768
 Instrument ID: BNA_F Calibration Date(s): 11/05/2024 11/05/2024
 Calibration Time(s): 12:26 15:30

LAB FILE ID:		RRF2.5 = BF140231.D			RRF005 = BF140232.D		RRF010 = BF140233.D	
		RRF020 = BF140234.D			RRF040 = BF140235.D		RRF050 = BF140236.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorophenol		1.359	1.298	1.261	1.159	1.138	1.207	8.3
Benzaldehyde		1.159	1.137	1.085	0.949	0.839	0.956	18.5
Phenol-d6		1.765	1.679	1.604	1.495	1.462	1.552	8.7
Phenol		1.863	1.779	1.752	1.593	1.575	1.649	9.2
bis(2-Chloroethyl) ether		1.417	1.354	1.285	1.209	1.201	1.252	8.6
2-Chlorophenol		1.441	1.385	1.311	1.214	1.187	1.263	9.4
2-Methylphenol		1.155	1.105	1.086	1.028	1.005	1.053	6.1
2,2-oxybis(1-Chloropropane)		2.305	2.213	2.143	1.958	1.910	2.027	9.7
Acetophenone		0.564	0.535	0.512	0.474	0.461	0.496	8.4
3+4-Methylphenols		1.503	1.446	1.403	1.277	1.240	1.323	9.7
n-Nitroso-di-n-propylamine	1.035	1.117	1.062	1.015	0.949	0.923	0.990	8.0
Nitrobenzene-d5		0.435	0.420	0.415	0.392	0.387	0.402	5.2
Hexachloroethane		0.612	0.603	0.576	0.533	0.524	0.556	7.4
Nitrobenzene		0.452	0.442	0.436	0.414	0.407	0.422	5.0
Isophorone		0.754	0.722	0.699	0.675	0.659	0.693	5.1
2-Nitrophenol		0.160	0.167	0.170	0.171	0.167	0.168	2.5
2,4-Dimethylphenol		0.240	0.237	0.234	0.224	0.221	0.228	3.9
bis(2-Chloroethoxy) methane		0.459	0.441	0.428	0.400	0.390	0.415	6.9
2,4-Dichlorophenol		0.297	0.299	0.291	0.278	0.270	0.283	4.7
Naphthalene		1.206	1.119	1.071	0.992	0.956	1.033	9.9
4-Chloroaniline		0.372	0.367	0.354	0.330	0.322	0.340	7.1
Hexachlorobutadiene		0.251	0.241	0.238	0.222	0.218	0.229	6.2
Caprolactam		0.090	0.087	0.088	0.085	0.084	0.086	2.9
4-Chloro-3-methylphenol		0.337	0.326	0.319	0.312	0.303	0.315	4.3
2-Methylnaphthalene		0.772	0.743	0.702	0.644	0.626	0.674	9.6
Hexachlorocyclopentadiene		0.124	0.145	0.169	0.183	0.177	0.164	13.3
2,4,6-Trichlorophenol		0.377	0.369	0.363	0.361	0.354	0.363	2.2
2-Fluorobiphenyl		1.481	1.381	1.312	1.183	1.148	1.253	11.3
2,4,5-Trichlorophenol		0.391	0.398	0.396	0.373	0.374	0.381	4.0
1,1-Biphenyl		1.663	1.590	1.521	1.376	1.342	1.446	10.0
2-Chloronaphthalene		1.195	1.171	1.135	1.050	1.036	1.088	7.2
2-Nitroaniline		0.357	0.372	0.371	0.369	0.363	0.364	2.0
Dimethylphthalate		1.363	1.310	1.262	1.191	1.182	1.232	6.7
Acenaphthylene		1.730	1.668	1.618	1.486	1.465	1.540	8.6

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: JPCL01
 Lab Code: CHEM Case No.: P4768 SAS No.: P4768 SDG No.: P4768
 Instrument ID: BNA_F Calibration Date(s): 11/05/2024 11/05/2024
 Calibration Time(s): 12:26 15:30

LAB FILE ID:		RRF2.5 = BF140231.D			RRF005 = BF140232.D		RRF010 = BF140233.D	
		RRF020 = BF140234.D			RRF040 = BF140235.D		RRF050 = BF140236.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2,6-Dinitrotoluene		0.302	0.297	0.299	0.286	0.286	0.290	3.6
3-Nitroaniline		0.294	0.286	0.282	0.269	0.267	0.273	5.8
Acenaphthene		1.204	1.153	1.134	1.059	1.055	1.093	6.6
2,4-Dinitrophenol			0.071	0.101	0.128	0.135	0.120	23.2
4-Nitrophenol		0.160	0.178	0.196	0.203	0.206	0.192	8.8
Dibenzofuran		1.773	1.683	1.603	1.467	1.424	1.528	10.6
2,4-Dinitrotoluene		0.384	0.385	0.388	0.374	0.373	0.376	3.2
Diethylphthalate		1.360	1.319	1.271	1.185	1.170	1.224	7.7
4-Chlorophenyl-phenylether		0.715	0.673	0.638	0.581	0.573	0.613	10.3
Fluorene		1.446	1.345	1.267	1.154	1.127	1.216	11.6
4-Nitroaniline		0.278	0.276	0.282	0.270	0.267	0.271	3.5
4,6-Dinitro-2-methylphenol			0.080	0.100	0.110	0.112	0.105	12.6
n-Nitrosodiphenylamine		0.646	0.608	0.600	0.551	0.543	0.575	7.5
2,4,6-Tribromophenol		0.199	0.200	0.197	0.194	0.197	0.198	1.4
4-Bromophenyl-phenylether		0.230	0.219	0.223	0.209	0.208	0.215	4.1
Hexachlorobenzene		0.261	0.255	0.251	0.237	0.235	0.245	4.3
Atrazine		0.204	0.189	0.155	0.156	0.127	0.157	18.5
Pentachlorophenol		0.105	0.121	0.133	0.138	0.139	0.132	10.6
Phenanthrene		1.082	1.044	1.004	0.915	0.885	0.954	9.3
Anthracene		1.071	1.014	0.984	0.894	0.881	0.936	9.3
Carbazole		0.973	0.919	0.901	0.822	0.805	0.855	8.9
Di-n-butylphthalate		1.119	1.096	1.062	0.975	0.961	1.012	7.9
Fluoranthene		1.157	1.101	1.044	0.950	0.928	0.998	10.5
Pyrene		1.851	1.733	1.728	1.590	1.572	1.651	7.5
Terphenyl-d14		1.383	1.309	1.258	1.159	1.164	1.221	8.2
Butylbenzylphthalate		0.580	0.596	0.613	0.597	0.601	0.595	2.9
3,3-Dichlorobenzidine		0.387	0.409	0.410	0.417	0.406	0.403	2.6
Benzo (a) anthracene		1.386	1.344	1.345	1.232	1.232	1.284	5.7
Chrysene		1.320	1.264	1.206	1.154	1.177	1.202	5.8
Bis (2-ethylhexyl) phthalate		0.868	0.858	0.858	0.819	0.825	0.833	3.8
Di-n-octyl phthalate		1.201	1.234	1.283	1.267	1.265	1.254	2.5
Benzo (b) fluoranthene		1.300	1.184	1.214	1.245	1.125	1.210	6.0
Benzo (k) fluoranthene		1.214	1.230	1.206	1.027	1.085	1.110	9.5
Benzo (a) pyrene		1.023	0.999	1.022	0.993	0.975	0.997	2.2
Indeno (1,2,3-cd) pyrene		1.107	1.110	1.213	1.195	1.172	1.174	4.1

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



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: JPCL01

Lab Code: CHEM Case No.: P4768 SAS No.: P4768 SDG No.: P4768

Instrument ID: BNA_F Calibration Date(s): 11/05/2024 11/05/2024

Calibration Time(s): 12:26 15:30

LAB FILE ID:								
RRF2.5 = BF140231.D			RRF005 = BF140232.D			RRF010 = BF140233.D		
RRF020 = BF140234.D			RRF040 = BF140235.D			RRF050 = BF140236.D		
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Dibenzo (a,h) anthracene		0.917	0.923	0.998	0.979	0.968	0.966	3.4
Benzo (g,h,i) perylene		0.949	0.941	1.017	0.994	0.977	0.985	3.1
1,2,4,5-Tetrachlorobenzene		0.657	0.619	0.600	0.562	0.559	0.586	7.2
1,4-Dioxane		0.613	0.582	0.576	0.550	0.526	0.555	6.6
2,3,4,6-Tetrachlorophenol		0.323	0.324	0.321	0.305	0.309	0.313	3.3

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF110524.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Tue Nov 05 16:47:56 2024
 Response Via : Initial Calibration

Calibration Files

2.5 =BF140231.D 5 =BF140232.D 10 =BF140233.D 20 =BF140234.D 40 =BF140235.D 50 =BF140236.D 60 =BF140237.D 80 =BF140238.D

	Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.613	0.582	0.576	0.550	0.526	0.527	0.511	0.555	6.64	
3)	Pyridine	1.464	1.445	1.402	1.340	1.296	1.298	1.233	1.354	6.33	
4)	n-Nitrosodimet...	0.799	0.792	0.802	0.780	0.767	0.786	0.746	0.782	2.52	
5) S	2-Fluorophenol	1.359	1.298	1.261	1.159	1.138	1.151	1.083	1.207	8.29	
6)	Aniline	1.609	1.513	1.499	1.365	1.316	1.298	1.218	1.402	9.99	
7) S	Phenol-d6	1.765	1.679	1.604	1.495	1.462	1.468	1.392	1.552	8.66	
8)	2-Chlorophenol	1.441	1.385	1.311	1.214	1.187	1.182	1.121	1.263	9.38	
9)	Benzaldehyde	1.159	1.137	1.085	0.949	0.839	0.823	0.701	0.956	18.46	
10) C	Phenol	1.863	1.779	1.752	1.593	1.575	1.544	1.434	1.649	9.23	
11)	bis(2-Chloroet...	1.417	1.354	1.285	1.209	1.201	1.201	1.100	1.252	8.57	
12)	1,3-Dichlorobe...	1.690	1.605	1.555	1.413	1.387	1.388	1.322	1.480	9.22	
13) C	1,4-Dichlorobe...	1.720	1.636	1.551	1.423	1.393	1.401	1.322	1.492	9.78	
14)	1,2-Dichlorobe...	1.622	1.553	1.494	1.309	1.291	1.286	1.201	1.394	11.49	
15)	Benzyl Alcohol	1.282	1.280	1.258	1.182	1.147	1.154	1.075	1.197	6.59	
16)	2,2'-oxybis(1-...	2.305	2.213	2.143	1.958	1.910	1.898	1.764	2.027	9.65	
17)	2-Methylphenol	1.155	1.105	1.086	1.028	1.005	1.022	0.973	1.053	6.05	
18)	Hexachloroethane	0.612	0.603	0.576	0.533	0.524	0.537	0.507	0.556	7.37	
19) P	n-Nitroso-di-n...	1.035	1.117	1.062	1.015	0.949	0.923	0.936	0.886	0.990	8.01
20)	3+4-Methylphenols	1.503	1.446	1.403	1.277	1.240	1.242	1.150	1.323	9.73	
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.564	0.535	0.512	0.474	0.461	0.472	0.453	0.496	8.43	
23) S	Nitrobenzene-d5	0.435	0.420	0.415	0.392	0.387	0.391	0.377	0.402	5.21	
24)	Nitrobenzene	0.452	0.442	0.436	0.414	0.407	0.407	0.396	0.422	5.04	
25)	Isophorone	0.754	0.722	0.699	0.675	0.659	0.680	0.660	0.693	5.05	
26) C	2-Nitrophenol	0.160	0.167	0.170	0.171	0.167	0.173	0.168	0.168	2.47	
27)	2,4-Dimethylph...	0.240	0.237	0.234	0.224	0.221	0.227	0.216	0.228	3.88	
28)	bis(2-Chloroet...	0.459	0.441	0.428	0.400	0.390	0.399	0.383	0.415	6.93	
29) C	2,4-Dichloroph...	0.297	0.299	0.291	0.278	0.270	0.277	0.266	0.283	4.67	
30)	1,2,4-Trichlor...	0.373	0.362	0.349	0.328	0.318	0.327	0.314	0.339	6.72	
31)	Naphthalene	1.206	1.119	1.071	0.992	0.956	0.965	0.921	1.033	9.94	
32)	Benzoic acid		0.136	0.161	0.193	0.207	0.211	0.216	0.187	17.07	
33)	4-Chloroaniline	0.372	0.367	0.354	0.330	0.322	0.323	0.311	0.340	7.13	
34) C	Hexachlorobuta...	0.251	0.241	0.238	0.222	0.218	0.223	0.212	0.229	6.22	
35)	Caprolactam	0.090	0.087	0.088	0.085	0.084	0.086	0.082	0.086	2.94	
36) C	4-Chloro-3-met...	0.337	0.326	0.319	0.312	0.303	0.307	0.298	0.315	4.33	
37)	2-Methylnaphth...	0.772	0.743	0.702	0.644	0.626	0.627	0.605	0.674	9.64	
38)	1-Methylnaphth...	0.765	0.720	0.691	0.634	0.612	0.619	0.583	0.661	10.00	

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF110524.M

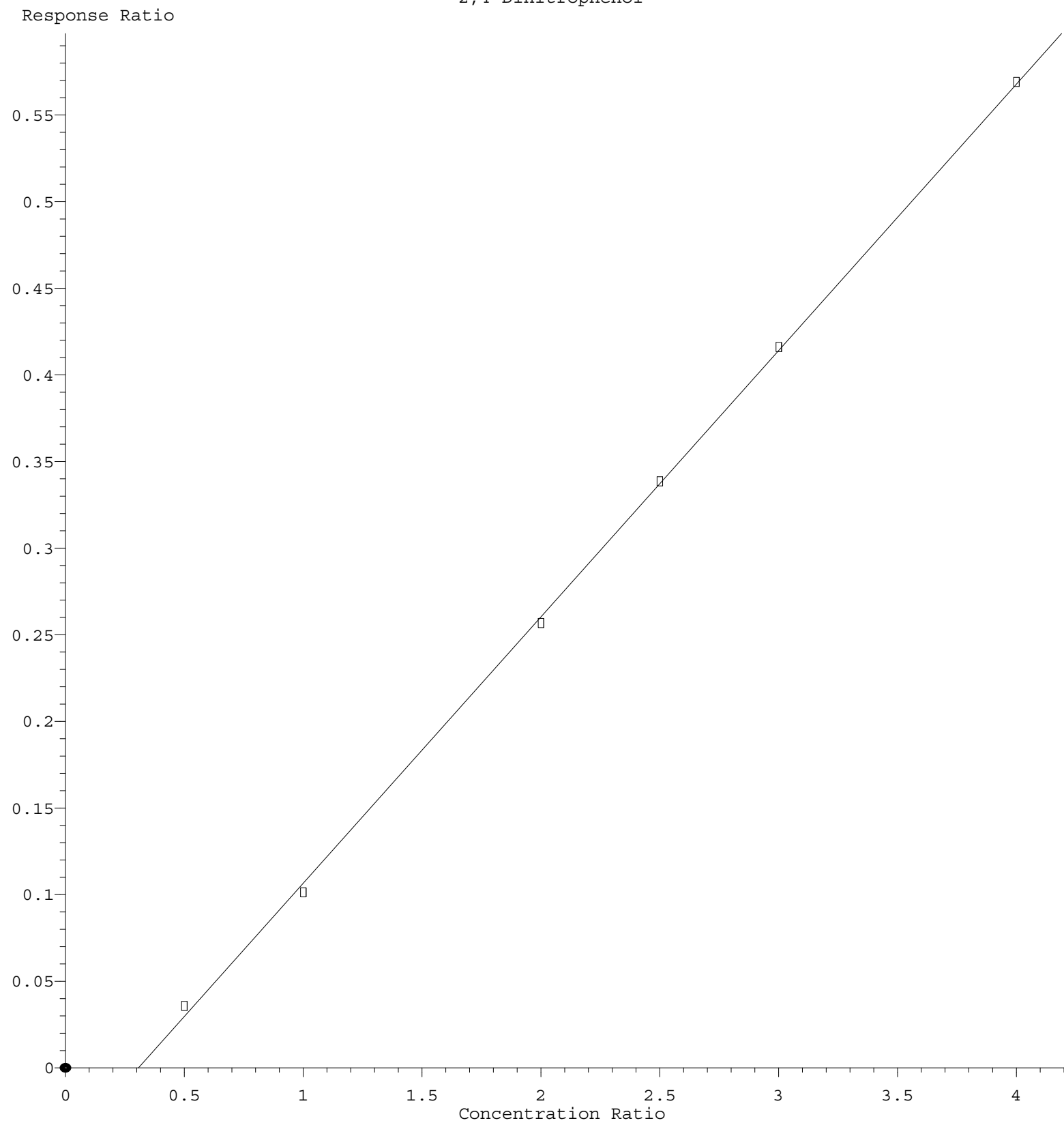
39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.657	0.619	0.600	0.562	0.559	0.562	0.538	0.586	7.15	
41) P	Hexachlorocycl...	0.124	0.145	0.169	0.183	0.177	0.181	0.169	0.164	13.27	
42) S	2,4,6-Tribromo...	0.199	0.200	0.197	0.194	0.197	0.202	0.195	0.198	1.40	
43) C	2,4,6-Trichlor...	0.377	0.369	0.363	0.361	0.354	0.356	0.359	0.363	2.16	
44)	2,4,5-Trichlor...	0.391	0.398	0.396	0.373	0.374	0.383	0.355	0.381	4.02	
45) S	2-Fluorobiphenyl	1.481	1.381	1.312	1.183	1.148	1.166	1.097	1.253	11.27	
46)	1,1'-Biphenyl	1.663	1.590	1.521	1.376	1.342	1.347	1.281	1.446	10.02	
47)	2-Chloronaphth...	1.195	1.171	1.135	1.050	1.036	1.040	0.990	1.088	7.17	
48)	2-Nitroaniline	0.357	0.372	0.371	0.369	0.363	0.364	0.352	0.364	1.99	
49)	Acenaphthylene	1.730	1.668	1.618	1.486	1.465	1.452	1.364	1.540	8.62	
50)	Dimethylphthalate	1.363	1.310	1.262	1.191	1.182	1.180	1.135	1.232	6.65	
51)	2,6-Dinitrotol...	0.302	0.297	0.299	0.286	0.286	0.284	0.272	0.290	3.57	
52) C	Acenaphthene	1.204	1.153	1.134	1.059	1.055	1.041	1.003	1.093	6.60	
53)	3-Nitroaniline	0.294	0.286	0.282	0.269	0.267	0.262	0.248	0.273	5.83	
54) P	2,4-Dinitrophenol		0.071	0.101	0.128	0.135	0.139	0.142	0.120	23.23	
55)	Dibenzofuran	1.773	1.683	1.603	1.467	1.424	1.421	1.324	1.528	10.59	
56) P	4-Nitrophenol	0.160	0.178	0.196	0.203	0.206	0.201	0.197	0.192	8.78	
57)	2,4-Dinitrotol...	0.384	0.385	0.388	0.374	0.373	0.374	0.352	0.376	3.23	
58)	Fluorene	1.446	1.345	1.267	1.154	1.127	1.115	1.059	1.216	11.55	
59)	2,3,4,6-Tetrac...	0.323	0.324	0.321	0.305	0.309	0.308	0.298	0.313	3.26	
60)	Diethylphthalate	1.360	1.319	1.271	1.185	1.170	1.165	1.097	1.224	7.72	
61)	4-Chlorophenyl...	0.715	0.673	0.638	0.581	0.573	0.569	0.542	0.613	10.33	
62)	4-Nitroaniline	0.278	0.276	0.282	0.270	0.267	0.270	0.254	0.271	3.45	
63)	Azobenzene	1.460	1.373	1.319	1.219	1.200	1.190	1.122	1.269	9.38	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...		0.080	0.100	0.110	0.112	0.116	0.113	0.105	12.60	
66) c	n-Nitrosodiphe...	0.646	0.608	0.600	0.551	0.543	0.549	0.530	0.575	7.48	
67)	4-Bromophenyl-...	0.230	0.219	0.223	0.209	0.208	0.212	0.207	0.215	4.15	
68)	Hexachlorobenzene	0.261	0.255	0.251	0.237	0.235	0.242	0.237	0.245	4.26	
69)	Atrazine	0.204	0.189	0.155	0.156	0.127	0.138	0.133	0.157	18.48	
70) C	Pentachlorophenol	0.105	0.121	0.133	0.138	0.139	0.144	0.142	0.132	10.59	
71)	Phenanthrene	1.082	1.044	1.004	0.915	0.885	0.902	0.849	0.954	9.28	
72)	Anthracene	1.071	1.014	0.984	0.894	0.881	0.876	0.832	0.936	9.34	
73)	Carbazole	0.973	0.919	0.901	0.822	0.805	0.809	0.759	0.855	8.93	
74)	Di-n-butylphth...	1.119	1.096	1.062	0.975	0.961	0.966	0.907	1.012	7.87	
75) C	Fluoranthene	1.157	1.101	1.044	0.950	0.928	0.935	0.870	0.998	10.48	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.507	0.466	0.380	0.490	0.365	0.249	0.281	0.391	25.96	
78)	Pyrene	1.851	1.733	1.728	1.590	1.572	1.596	1.490	1.651	7.49	
79) S	Terphenyl-d14	1.383	1.309	1.258	1.159	1.164	1.180	1.093	1.221	8.25	
80)	Butylbenzylphth...	0.580	0.596	0.613	0.597	0.601	0.612	0.564	0.595	2.95	
81)	Benzo(a)anthra...	1.386	1.344	1.345	1.232	1.232	1.254	1.193	1.284	5.71	
82)	3,3'-Dichlorob...	0.387	0.409	0.410	0.417	0.406	0.401	0.392	0.403	2.57	
83)	Chrysene	1.320	1.264	1.206	1.154	1.177	1.180	1.113	1.202	5.81	
84)	Bis(2-ethylhex...	0.868	0.858	0.858	0.819	0.825	0.830	0.775	0.833	3.82	
85) c	Di-n-octyl pht...	1.201	1.234	1.283	1.267	1.265	1.291	1.240	1.254	2.52	

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF110524.M

86) I	Perylene-d12	-----ISTD-----	
87)	Indeno(1,2,3-c...	1.107 1.110 1.213 1.195 1.172 1.230 1.191 1.174	4.11
88)	Benzo(b)fluora...	1.300 1.184 1.214 1.245 1.125 1.286 1.115 1.210	6.05
89)	Benzo(k)fluora...	1.214 1.230 1.206 1.027 1.085 0.975 1.034 1.110	9.46
90) C	Benzo(a)pyrene	1.023 0.999 1.022 0.993 0.975 1.006 0.964 0.997	2.23
91)	Dibenzo(a,h)an...	0.917 0.923 0.998 0.979 0.968 1.000 0.976 0.966	3.44
92)	Benzo(g,h,i)pe...	0.949 0.941 1.017 0.994 0.977 1.017 1.002 0.985	3.13

(#) = Out of Range

2,4-Dinitrophenol



$\text{Response} = 1.539\text{e-}001 * \text{Amt} - 4.717\text{e-}002$
 Coef of Det (r^2) = 0.999580 Curve Fit: Linear
 Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF110524.M
 Calibration Table Last Updated: Tue Nov 05 16:47:56 2024

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110524\
Data File : BF140231.D
Acq On : 05 Nov 2024 12:26
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Nov 05 16:04:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 15:55:36 2024
Response via : Initial Calibration

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

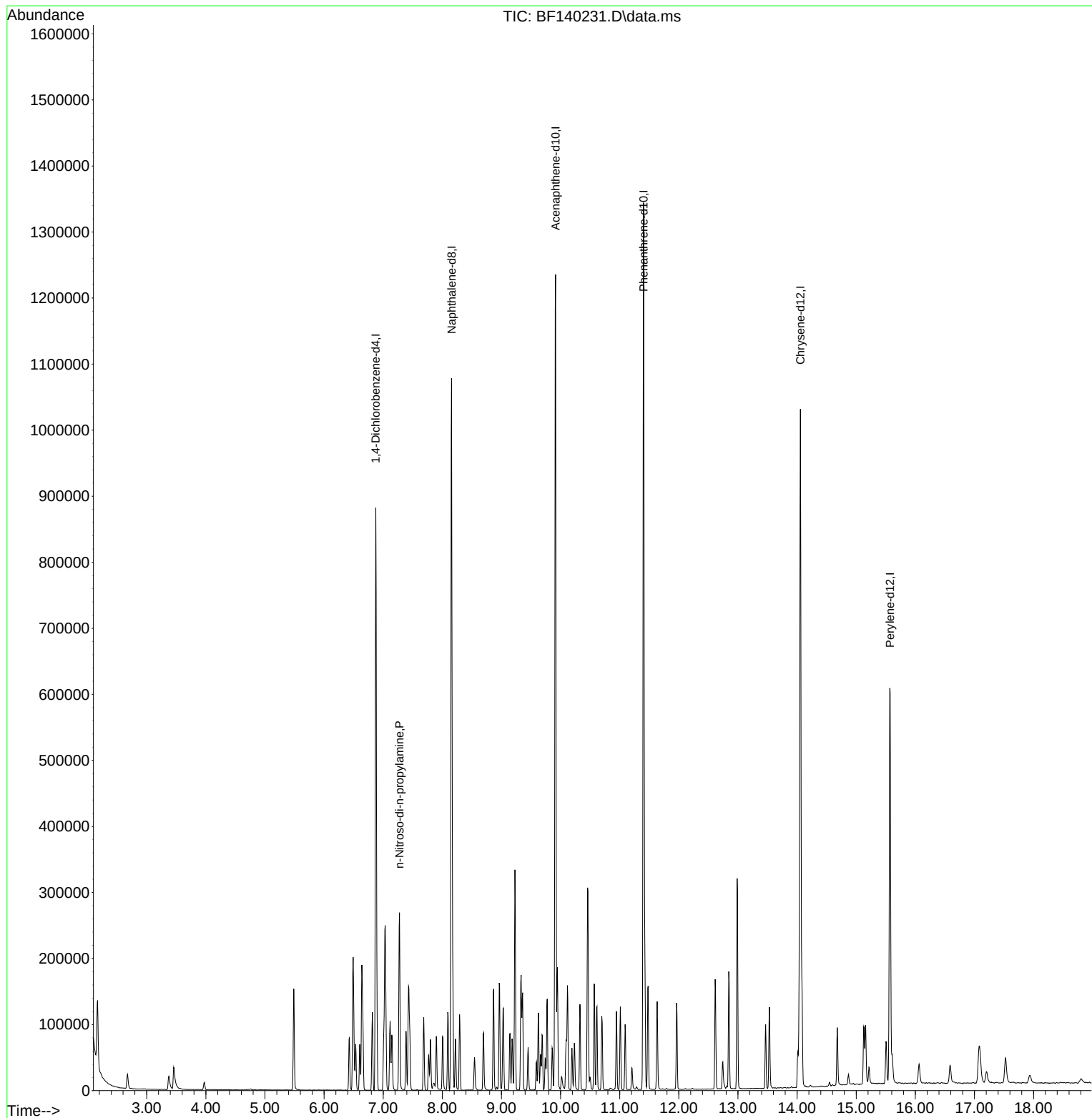
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	169994	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	642367	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	390405	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	693037	20.000	ng	0.00
76) Chrysene-d12	14.057	240	449357	20.000	ng	0.00
86) Perylene-d12	15.574	264	370150	20.000	ng	0.01
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	21993	2.613	ng	98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110524\
Data File : BF140231.D
Acq On : 05 Nov 2024 12:26
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Nov 05 16:04:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 15:55:36 2024
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110524\
 Data File : BF140232.D
 Acq On : 05 Nov 2024 12:52
 Operator : RC/JU
 Sample : SSTDICC005
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC005

Quant Time: Nov 05 16:05:12 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 05 15:55:36 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	166612	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	633777	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	371519	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	675726	20.000	ng	0.00
76) Chrysene-d12	14.057	240	440779	20.000	ng	0.00
86) Perylene-d12	15.562	264	369484	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	113220	11.261	ng	0.00
7) Phenol-d6	6.487	99	147074	11.373	ng	-0.02
23) Nitrobenzene-d5	7.428	82	137719	10.804	ng	-0.02
42) 2,4,6-Tribromophenol	10.698	330	37004	10.077	ng	-0.01
45) 2-Fluorobiphenyl	9.228	172	275075	11.823	ng	-0.01
79) Terphenyl-d14	12.986	244	304890	11.331	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.669	88	25542	5.526	ng	99
3) Pyridine	3.440	79	60966	5.406	ng	99
4) n-Nitrosodimethylamine	3.363	42	33282	5.111	ng	# 96
6) Aniline	6.534	93	67005	5.735	ng	98
8) 2-Chlorophenol	6.657	128	60035	5.707	ng	94
9) Benzaldehyde	6.428	77	48266	6.059	ng	96
10) Phenol	6.504	94	77615	5.651	ng	93
11) bis(2-Chloroethyl)ether	6.604	93	59042	5.659	ng	99
12) 1,3-Dichlorobenzene	6.816	146	70377	5.709	ng	99
13) 1,4-Dichlorobenzene	6.892	146	71647	5.763	ng	98
14) 1,2-Dichlorobenzene	7.045	146	67578	5.820	ng	97
15) Benzyl Alcohol	7.010	79	53385	5.355	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.145	45	96009	5.685	ng	98
17) 2-Methylphenol	7.116	107	48094	5.481	ng	99
18) Hexachloroethane	7.386	117	25475	5.501	ng	97
19) n-Nitroso-di-n-propyla...	7.275	70	46525	5.640	ng	100
20) 3+4-Methylphenols	7.269	107	62607	5.681	ng	93
22) Acetophenone	7.275	105	89338	5.685	ng	# 97
24) Nitrobenzene	7.451	77	71621	5.355	ng	99
25) Isophorone	7.686	82	119458	5.442	ng	99
26) 2-Nitrophenol	7.769	139	25340	4.763	ng	99
27) 2,4-Dimethylphenol	7.798	122	38041	5.255	ng	98
28) bis(2-Chloroethoxy)met...	7.898	93	72777	5.541	ng	96
29) 2,4-Dichlorophenol	8.004	162	47065	5.256	ng	99
30) 1,2,4-Trichlorobenzene	8.092	180	59052	5.503	ng	99
31) Naphthalene	8.175	128	191018	5.837	ng	98
33) 4-Chloroaniline	8.222	127	59005	5.476	ng	99
34) Hexachlorobutadiene	8.292	225	39831	5.484	ng	100
35) Caprolactam	8.551	113	14213	5.218	ng	97
36) 4-Chloro-3-methylphenol	8.698	107	53339	5.350	ng	98
37) 2-Methylnaphthalene	8.869	142	122302	5.726	ng	99
38) 1-Methylnaphthalene	8.963	142	121198	5.789	ng	99
40) 1,2,4,5-Tetrachloroben...	9.033	216	61028	5.611	ng	99
41) Hexachlorocyclopentadiene	9.022	237	11506	3.775	ng	99
43) 2,4,6-Trichlorophenol	9.145	196	34991	5.192	ng	97
44) 2,4,5-Trichlorophenol	9.180	196	36304	5.123	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110524\
 Data File : BF140232.D
 Acq On : 05 Nov 2024 12:52
 Operator : RC/JU
 Sample : SSTDICC005
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC005

Quant Time: Nov 05 16:05:12 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 05 15:55:36 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	9.328	154	154417	5.750	ng	98
47) 2-Chloronaphthalene	9.357	162	110964	5.490	ng	98
48) 2-Nitroaniline	9.451	65	33158	4.906	ng	100
49) Acenaphthylene	9.775	152	160677	5.615	ng	99
50) Dimethylphthalate	9.628	163	126555	5.531	ng	98
51) 2,6-Dinitrotoluene	9.692	165	28015	5.209	ng	98
52) Acenaphthene	9.945	154	111840	5.510	ng	99
53) 3-Nitroaniline	9.857	138	27313	5.393	ng	98
55) Dibenzofuran	10.116	168	164665	5.802	ng	99
56) 4-Nitrophenol	10.016	139	14822	4.163	ng	99
57) 2,4-Dinitrotoluene	10.092	165	35682	5.113	ng	96
58) Fluorene	10.463	166	134275	5.943	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.233	232	29985	5.165	ng	97
60) Diethylphthalate	10.327	149	126272	5.554	ng	100
61) 4-Chlorophenyl-phenyle...	10.457	204	66377	5.830	ng	95
62) 4-Nitroaniline	10.469	138	25854	5.137	ng	98
63) Azobenzene	10.616	77	135576	5.752	ng	98
66) n-Nitrosodiphenylamine	10.569	169	109166	5.617	ng	99
67) 4-Bromophenyl-phenylether	10.945	248	38865	5.341	ng	97
68) Hexachlorobenzene	11.010	284	44138	5.322	ng	98
69) Atrazine	11.092	200	34413	6.472	ng	98
70) Pentachlorophenol	11.204	266	17820	4.001	ng	98
71) Phenanthrene	11.427	178	182820	5.669	ng	99
72) Anthracene	11.480	178	180850	5.719	ng	98
73) Carbazole	11.633	167	164314	5.687	ng	99
74) Di-n-butylphthalate	11.963	149	189064	5.528	ng	99
75) Fluoranthene	12.616	202	195471	5.797	ng	100
77) Benzidine	12.739	184	55905	6.487	ng	99
78) Pyrene	12.845	202	203999	5.605	ng	98
80) Butylbenzylphthalate	13.468	149	63884	4.875	ng	97
81) Benzo(a)anthracene	14.045	228	152702	5.398	ng	98
82) 3,3'-Dichlorobenzidine	14.010	252	42666	4.803	ng	98
83) Chrysene	14.080	228	145493	5.492	ng	98
84) Bis(2-ethylhexyl)phtha...	14.033	149	95669	5.209	ng	98
85) Di-n-octyl phthalate	14.674	149	132302	4.786	ng	99
87) Indeno(1,2,3-cd)pyrene	17.062	276	102265	4.715	ng	98
88) Benzo(b)fluoranthene	15.121	252	120060	5.372	ng	98
89) Benzo(k)fluoranthene	15.151	252	112119	5.467	ng	99
90) Benzo(a)pyrene	15.498	252	94454	5.126	ng	100
91) Dibenzo(a,h)anthracene	17.086	278	84741	4.749	ng	99
92) Benzo(g,h,i)perylene	17.515	276	87630	4.814	ng	98

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

[illegible]

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110524\
 Data File : BF140233.D
 Acq On : 05 Nov 2024 13:18
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC010

Quant Time: Nov 05 16:06:01 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 05 15:55:36 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	169955	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	642615	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	380981	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	690845	20.000	ng	0.00
76) Chrysene-d12	14.057	240	446944	20.000	ng	0.00
86) Perylene-d12	15.563	264	379108	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	220591	21.510	ng	0.00
7) Phenol-d6	6.493	99	285438	21.639	ng	-0.01
23) Nitrobenzene-d5	7.434	82	270000	20.890	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	76087	20.205	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	526071	22.049	ng	-0.01
79) Terphenyl-d14	12.986	244	585234	21.450	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.669	88	49437	10.485	ng	99
3) Pyridine	3.434	79	122761	10.671	ng	99
4) n-Nitrosodimethylamine	3.363	42	67275	10.128	ng	99
6) Aniline	6.534	93	128537	10.785	ng	99
8) 2-Chlorophenol	6.657	128	117681	10.967	ng	96
9) Benzaldehyde	6.428	77	96640	11.893	ng	99
10) Phenol	6.504	94	151147	10.789	ng	95
11) bis(2-Chloroethyl)ether	6.604	93	115044	10.810	ng	99
12) 1,3-Dichlorobenzene	6.816	146	136347	10.843	ng	99
13) 1,4-Dichlorobenzene	6.893	146	139034	10.963	ng	99
14) 1,2-Dichlorobenzene	7.045	146	131990	11.143	ng	97
15) Benzyl Alcohol	7.010	79	108748	10.694	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.145	45	188076	10.918	ng	99
17) 2-Methylphenol	7.116	107	93875	10.487	ng	98
18) Hexachloroethane	7.387	117	51249	10.849	ng	94
19) n-Nitroso-di-n-propyla...	7.275	70	90280	10.728	ng	98
20) 3+4-Methylphenols	7.269	107	122859	10.928	ng	95
22) Acetophenone	7.281	105	171813	10.784	ng	93
24) Nitrobenzene	7.451	77	142088	10.477	ng	100
25) Isophorone	7.687	82	232088	10.428	ng	100
26) 2-Nitrophenol	7.769	139	53595	9.934	ng	99
27) 2,4-Dimethylphenol	7.798	122	76264	10.391	ng	97
28) bis(2-Chloroethoxy)met...	7.898	93	141799	10.647	ng	99
29) 2,4-Dichlorophenol	8.010	162	96095	10.584	ng	98
30) 1,2,4-Trichlorobenzene	8.098	180	116262	10.686	ng	99
31) Naphthalene	8.175	128	359545	10.835	ng	99
32) Benzoic acid	7.869	122	43854	7.274	ng	98
33) 4-Chloroaniline	8.222	127	117951	10.797	ng	98
34) Hexachlorobutadiene	8.292	225	77330	10.500	ng	99
35) Caprolactam	8.557	113	28056	10.158	ng	88
36) 4-Chloro-3-methylphenol	8.698	107	104783	10.365	ng	96
37) 2-Methylnaphthalene	8.869	142	238693	11.022	ng	99
38) 1-Methylnaphthalene	8.969	142	231470	10.904	ng	100
40) 1,2,4,5-Tetrachloroben...	9.034	216	117977	10.578	ng	99
41) Hexachlorocyclopentadiene	9.022	237	27651	8.847	ng	96
43) 2,4,6-Trichlorophenol	9.145	196	70295	10.171	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110524\
 Data File : BF140233.D
 Acq On : 05 Nov 2024 13:18
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC010

Quant Time: Nov 05 16:06:01 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 05 15:55:36 2024
 Response via : Initial Calibration

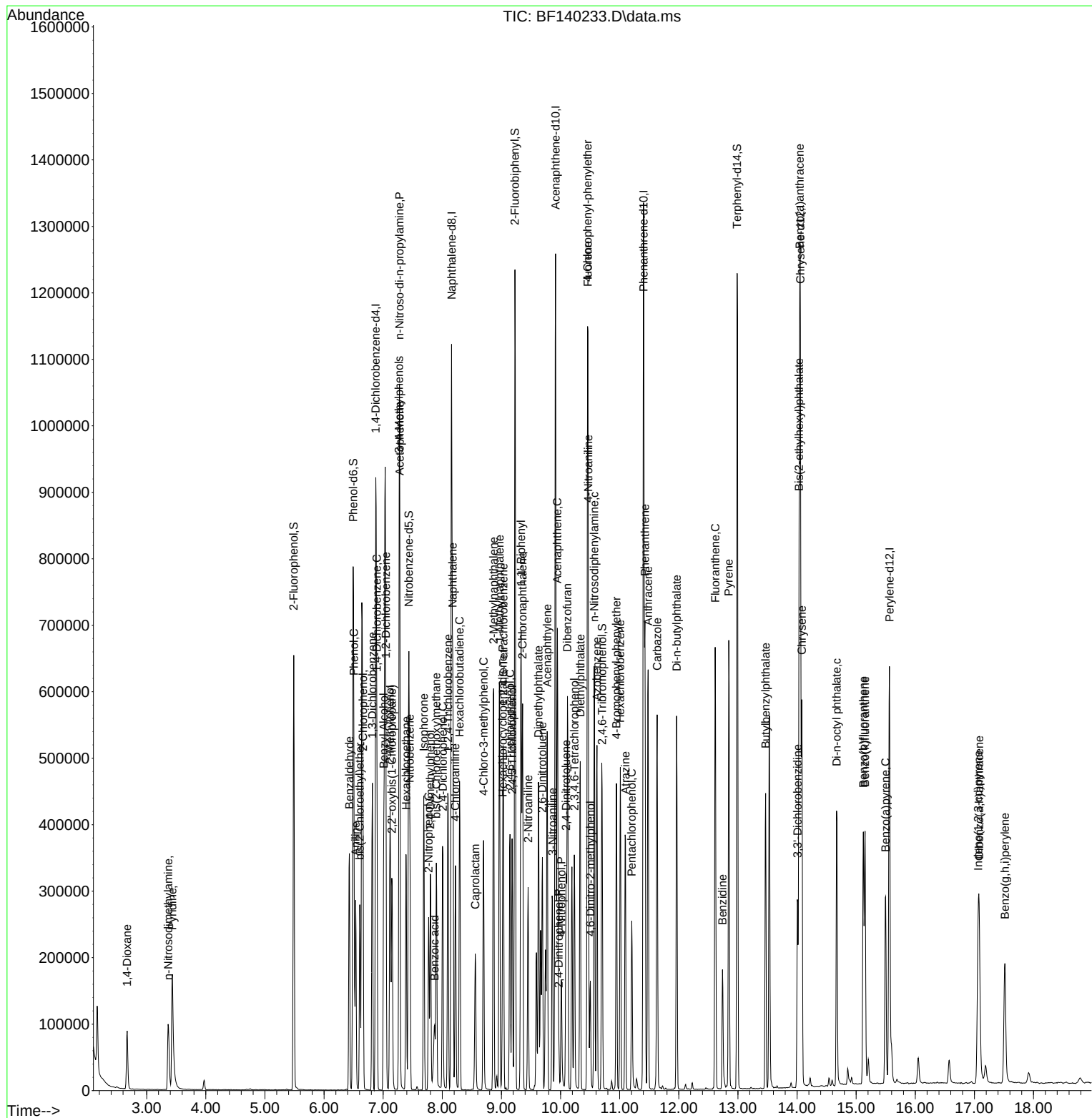
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.181	196	75869	10.440	ng	98
46) 1,1'-Biphenyl	9.334	154	302847	10.997	ng	99
47) 2-Chloronaphthalene	9.357	162	223034	10.761	ng	98
48) 2-Nitroaniline	9.451	65	70833	10.219	ng	99
49) Acenaphthylene	9.775	152	317743	10.828	ng	99
50) Dimethylphthalate	9.628	163	249467	10.632	ng	99
51) 2,6-Dinitrotoluene	9.692	165	56583	10.259	ng	99
52) Acenaphthene	9.945	154	219665	10.554	ng	98
53) 3-Nitroaniline	9.863	138	54572	10.508	ng	99
54) 2,4-Dinitrophenol	9.969	184	13606	10.773	ng	93
55) Dibenzofuran	10.116	168	320619	11.016	ng	100
56) 4-Nitrophenol	10.016	139	33945	9.296	ng	99
57) 2,4-Dinitrotoluene	10.092	165	73382	10.253	ng	100
58) Fluorene	10.463	166	256207	11.059	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.233	232	61750	10.373	ng	99
60) Diethylphthalate	10.333	149	251297	10.778	ng	99
61) 4-Chlorophenyl-phenyle...	10.457	204	128176	10.978	ng	97
62) 4-Nitroaniline	10.469	138	52502	10.173	ng	98
63) Azobenzene	10.616	77	261630	10.824	ng	99
65) 4,6-Dinitro-2-methylph...	10.504	198	27797	7.661	ng	99
66) n-Nitrosodiphenylamine	10.569	169	210031	10.570	ng	100
67) 4-Bromophenyl-phenylether	10.945	248	75749	10.182	ng	97
68) Hexachlorobenzene	11.010	284	88163	10.397	ng	98
69) Atrazine	11.098	200	65321	12.016	ng	98
70) Pentachlorophenol	11.204	266	41649	9.147	ng	98
71) Phenanthrene	11.428	178	360612	10.938	ng	98
72) Anthracene	11.480	178	350419	10.839	ng	99
73) Carbazole	11.633	167	317282	10.741	ng	100
74) Di-n-butylphthalate	11.963	149	378459	10.824	ng	100
75) Fluoranthene	12.616	202	380442	11.036	ng	99
77) Benzidine	12.739	184	104047	11.907	ng	99
78) Pyrene	12.845	202	387191	10.492	ng	98
80) Butylbenzylphthalate	13.469	149	133189	10.023	ng	98
81) Benzo(a)anthracene	14.045	228	300246	10.468	ng	99
82) 3,3'-Dichlorobenzidine	14.010	252	91304	10.137	ng	98
83) Chrysene	14.080	228	282479	10.517	ng	99
84) Bis(2-ethylhexyl)phtha...	14.033	149	191810	10.299	ng	99
85) Di-n-octyl phthalate	14.668	149	275674	9.834	ng	99
87) Indeno(1,2,3-cd)pyrene	17.062	276	210372	9.453	ng	99
88) Benzo(b)fluoranthene	15.121	252	224465	9.789	ng	99
89) Benzo(k)fluoranthene	15.151	252	233221	11.084	ng	98
90) Benzo(a)pyrene	15.498	252	189383	10.017	ng	100
91) Dibenzo(a,h)anthracene	17.080	278	175018	9.559	ng	99
92) Benzo(g,h,i)perylene	17.515	276	178404	9.552	ng	99

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

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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110524\  
Data File : BF140233.D  
Acq On    : 05 Nov 2024   13:18  
Operator  : RC/JU  
Sample    : SSTDICC010  
Misc      :  
ALS Vial  : 4    Sample Multiplier: 1
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Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Nov 05 16:06:01 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 15:55:36 2024
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110524\
 Data File : BF140234.D
 Acq On : 05 Nov 2024 13:45
 Operator : RC/JU
 Sample : SSTDICC020
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC020

Quant Time: Nov 05 16:06:51 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 05 15:55:36 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	172055	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	645909	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	373381	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	664825	20.000	ng	0.00
76) Chrysene-d12	14.057	240	412642	20.000	ng	0.00
86) Perylene-d12	15.551	264	363394	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	433943	41.797	ng	0.00
7) Phenol-d6	6.498	99	551873	41.326	ng	0.00
23) Nitrobenzene-d5	7.434	82	535735	41.238	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	147398	39.938	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	979583	41.893	ng	0.00
79) Terphenyl-d14	12.992	244	1038356	41.221	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.663	88	99025	20.746	ng	98
3) Pyridine	3.422	79	241250	20.714	ng	99
4) n-Nitrosodimethylamine	3.369	42	138062	20.532	ng	99
6) Aniline	6.540	93	257880	21.374	ng	99
8) 2-Chlorophenol	6.657	128	225504	20.759	ng	99
9) Benzaldehyde	6.428	77	186643	22.690	ng	99
10) Phenol	6.510	94	301412	21.252	ng	94
11) bis(2-Chloroethyl)ether	6.610	93	221028	20.515	ng	99
12) 1,3-Dichlorobenzene	6.816	146	267524	21.015	ng	99
13) 1,4-Dichlorobenzene	6.893	146	266836	20.783	ng	100
14) 1,2-Dichlorobenzene	7.045	146	257015	21.433	ng	99
15) Benzyl Alcohol	7.010	79	216423	21.023	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.151	45	368653	21.139	ng	99
17) 2-Methylphenol	7.122	107	186921	20.627	ng	98
18) Hexachloroethane	7.387	117	99144	20.731	ng	95
19) n-Nitroso-di-n-propyla...	7.281	70	174577	20.492	ng	98
20) 3+4-Methylphenols	7.275	107	241377	21.209	ng	94
22) Acetophenone	7.281	105	330679	20.649	ng	# 96
24) Nitrobenzene	7.457	77	281924	20.681	ng	98
25) Isophorone	7.692	82	451202	20.170	ng	100
26) 2-Nitrophenol	7.769	139	109507	20.195	ng	97
27) 2,4-Dimethylphenol	7.804	122	150911	20.457	ng	96
28) bis(2-Chloroethoxy)met...	7.904	93	276697	20.670	ng	99
29) 2,4-Dichlorophenol	8.010	162	187987	20.599	ng	99
30) 1,2,4-Trichlorobenzene	8.098	180	225612	20.630	ng	99
31) Naphthalene	8.181	128	691496	20.732	ng	99
32) Benzoic acid	7.887	122	103754	17.121	ng	99
33) 4-Chloroaniline	8.222	127	228830	20.840	ng	99
34) Hexachlorobutadiene	8.292	225	153685	20.762	ng	99
35) Caprolactam	8.575	113	56716	20.429	ng	95
36) 4-Chloro-3-methylphenol	8.698	107	206111	20.284	ng	99
37) 2-Methylnaphthalene	8.869	142	453289	20.824	ng	100
38) 1-Methylnaphthalene	8.969	142	446421	20.923	ng	100
40) 1,2,4,5-Tetrachloroben...	9.034	216	224209	20.512	ng	99
41) Hexachlorocyclopentadiene	9.022	237	63080	20.594	ng	98
43) 2,4,6-Trichlorophenol	9.145	196	135701	20.034	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110524\
 Data File : BF140234.D
 Acq On : 05 Nov 2024 13:45
 Operator : RC/JU
 Sample : SSTDICC020
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC020

Quant Time: Nov 05 16:06:51 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 05 15:55:36 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	147945	20.773	ng	98
46) 1,1'-Biphenyl	9.334	154	567855	21.040	ng	99
47) 2-Chloronaphthalene	9.357	162	423730	20.860	ng	99
48) 2-Nitroaniline	9.451	65	138378	20.370	ng	100
49) Acenaphthylene	9.775	152	604059	21.005	ng	100
50) Dimethylphthalate	9.633	163	471181	20.490	ng	99
51) 2,6-Dinitrotoluene	9.698	165	111731	20.671	ng	98
52) Acenaphthene	9.951	154	423437	20.759	ng	98
53) 3-Nitroaniline	9.863	138	105330	20.695	ng	97
54) 2,4-Dinitrophenol	9.969	184	37832	19.300	ng	# 84
55) Dibenzofuran	10.122	168	598372	20.978	ng	100
56) 4-Nitrophenol	10.016	139	73196	20.454	ng	99
57) 2,4-Dinitrotoluene	10.098	165	144849	20.651	ng	98
58) Fluorene	10.463	166	473026	20.833	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.239	232	119839	20.540	ng	99
60) Diethylphthalate	10.333	149	474686	20.773	ng	100
61) 4-Chlorophenyl-phenyle...	10.457	204	238080	20.806	ng	97
62) 4-Nitroaniline	10.475	138	105419	20.843	ng	99
63) Azobenzene	10.616	77	492408	20.787	ng	99
65) 4,6-Dinitro-2-methylph...	10.510	198	66287	18.984	ng	95
66) n-Nitrosodiphenylamine	10.575	169	398846	20.858	ng	99
67) 4-Bromophenyl-phenylether	10.945	248	148317	20.717	ng	99
68) Hexachlorobenzene	11.010	284	167183	20.487	ng	98
69) Atrazine	11.098	200	103143	19.716	ng	99
70) Pentachlorophenol	11.204	266	88701	20.243	ng	97
71) Phenanthrene	11.428	178	667577	21.041	ng	99
72) Anthracene	11.480	178	654429	21.035	ng	99
73) Carbazole	11.633	167	598904	21.068	ng	99
74) Di-n-butylphthalate	11.963	149	706033	20.982	ng	100
75) Fluoranthene	12.622	202	694279	20.927	ng	99
77) Benzidine	12.739	184	156645	19.416	ng	99
78) Pyrene	12.851	202	713125	20.931	ng	99
80) Butylbenzylphthalate	13.469	149	252851	20.610	ng	99
81) Benzo(a)anthracene	14.045	228	555009	20.958	ng	98
82) 3,3'-Dichlorobenzidine	14.004	252	169024	20.325	ng	99
83) Chrysene	14.080	228	497583	20.065	ng	99
84) Bis(2-ethylhexyl)phtha...	14.033	149	354006	20.588	ng	99
85) Di-n-octyl phthalate	14.663	149	529422	20.456	ng	100
87) Indeno(1,2,3-cd)pyrene	17.057	276	440956	20.672	ng	100
88) Benzo(b)fluoranthene	15.116	252	440979	20.062	ng	99
89) Benzo(k)fluoranthene	15.145	252	438390	21.735	ng	99
90) Benzo(a)pyrene	15.486	252	371386	20.493	ng	99
91) Dibenzo(a,h)anthracene	17.074	278	362633	20.663	ng	99
92) Benzo(g,h,i)perylene	17.509	276	369416	20.635	ng	99

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

[illegible]

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110524\
 Data File : BF140235.D
 Acq On : 05 Nov 2024 14:11
 Operator : RC/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICCC040

Quant Time: Nov 05 16:07:41 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 05 15:55:36 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	201300	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	739114	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	424404	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	741987	20.000	ng	0.00
76) Chrysene-d12	14.063	240	448378	20.000	ng	0.00
86) Perylene-d12	15.562	264	424484	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	932970	76.807	ng	0.00
7) Phenol-d6	6.504	99	1203719	77.043	ng	0.00
23) Nitrobenzene-d5	7.445	82	1157828	77.884	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	328851	78.391	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	2008505	75.569	ng	0.00
79) Terphenyl-d14	12.998	244	2078512	75.938	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.669	88	221368	39.639	ng	100
3) Pyridine	3.428	79	539515	39.593	ng	100
4) n-Nitrosodimethylamine	3.393	42	313834	39.892	ng	100
6) Aniline	6.545	93	549541	38.931	ng	100
8) 2-Chlorophenol	6.663	128	488589	38.443	ng	100
9) Benzaldehyde	6.428	77	382096	39.702	ng	100
10) Phenol	6.522	94	641151	38.639	ng	100
11) bis(2-Chloroethyl)ether	6.616	93	486877	38.624	ng	100
12) 1,3-Dichlorobenzene	6.822	146	568767	38.189	ng	100
13) 1,4-Dichlorobenzene	6.898	146	573058	38.150	ng	100
14) 1,2-Dichlorobenzene	7.051	146	527138	37.573	ng	100
15) Benzyl Alcohol	7.016	79	475780	39.503	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.151	45	788093	38.624	ng	100
17) 2-Methylphenol	7.128	107	413733	39.023	ng	100
18) Hexachloroethane	7.392	117	214636	38.360	ng	100
19) n-Nitroso-di-n-propyla...	7.292	70	382128	38.338	ng	100
20) 3+4-Methylphenols	7.281	107	514005	38.602	ng	100
22) Acetophenone	7.287	105	701041	38.256	ng	100
24) Nitrobenzene	7.463	77	612281	39.252	ng	100
25) Isophorone	7.698	82	997249	38.959	ng	100
26) 2-Nitrophenol	7.775	139	252459	40.686	ng	100
27) 2,4-Dimethylphenol	7.804	122	330723	39.178	ng	100
28) bis(2-Chloroethoxy)met...	7.904	93	591584	38.620	ng	100
29) 2,4-Dichlorophenol	8.016	162	411115	39.367	ng	100
30) 1,2,4-Trichlorobenzene	8.098	180	484648	38.728	ng	100
31) Naphthalene	8.181	128	1465665	38.402	ng	100
32) Benzoic acid	7.928	122	285770	41.211	ng	100
33) 4-Chloroaniline	8.228	127	487566	38.804	ng	100
34) Hexachlorobutadiene	8.298	225	328083	38.733	ng	100
35) Caprolactam	8.610	113	125350	39.457	ng	100
36) 4-Chloro-3-methylphenol	8.704	107	461679	39.706	ng	100
37) 2-Methylnaphthalene	8.869	142	952065	38.221	ng	100
38) 1-Methylnaphthalene	8.969	142	936784	38.369	ng	100
40) 1,2,4,5-Tetrachloroben...	9.039	216	477398	38.424	ng	100
41) Hexachlorocyclopentadiene	9.022	237	155401	44.636	ng	100
43) 2,4,6-Trichlorophenol	9.151	196	306499	39.809	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110524\
 Data File : BF140235.D
 Acq On : 05 Nov 2024 14:11
 Operator : RC/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICCC040

Quant Time: Nov 05 16:07:41 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 05 15:55:36 2024
 Response via : Initial Calibration

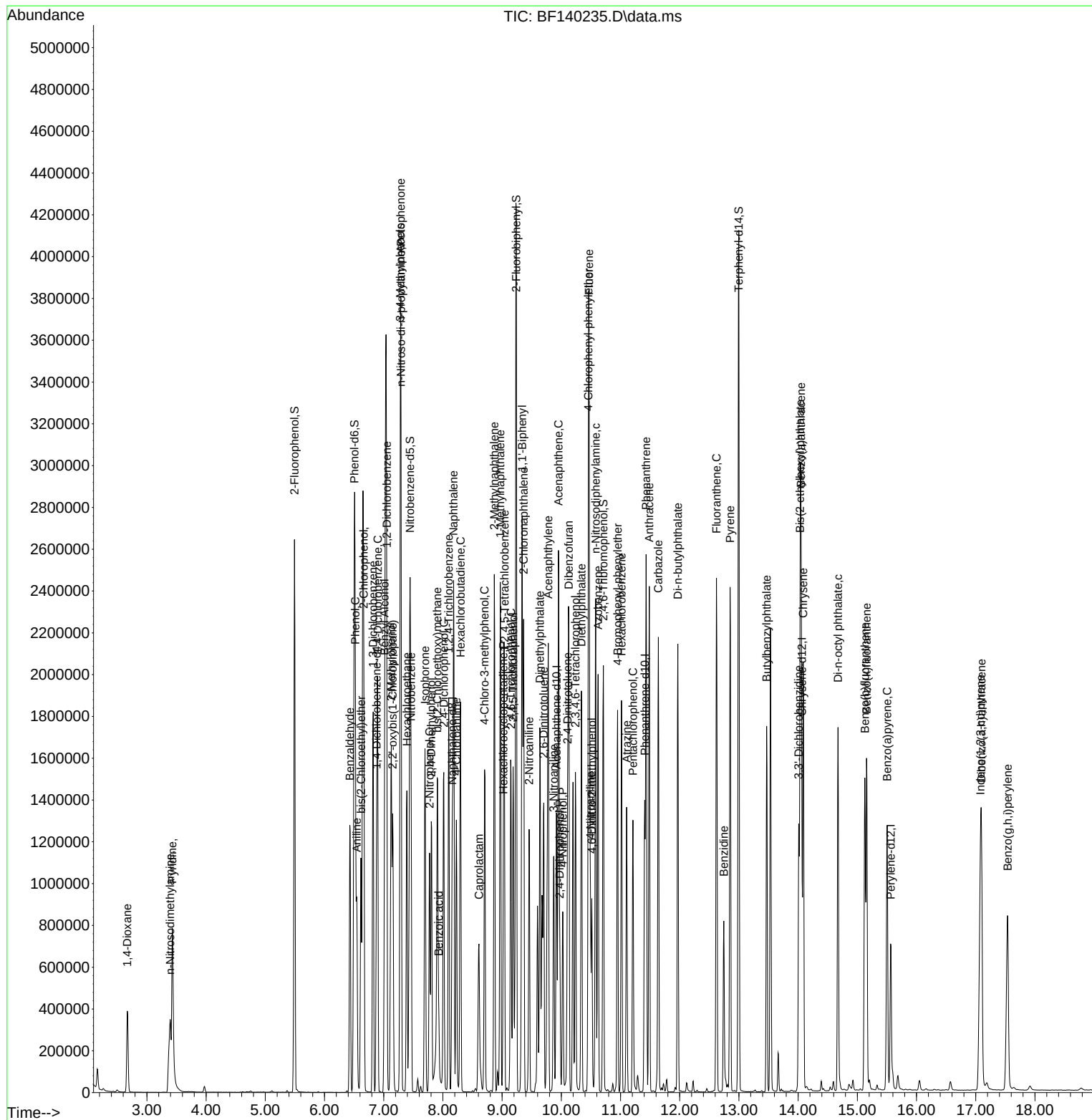
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	316737	39.126	ng	100
46) 1,1'-Biphenyl	9.339	154	1167873	38.070	ng	100
47) 2-Chloronaphthalene	9.363	162	891580	38.615	ng	100
48) 2-Nitroaniline	9.457	65	312804	40.511	ng	100
49) Acenaphthylene	9.780	152	1261736	38.599	ng	100
50) Dimethylphthalate	9.639	163	1010651	38.667	ng	100
51) 2,6-Dinitrotoluene	9.704	165	243054	39.561	ng	100
52) Acenaphthene	9.951	154	898486	38.752	ng	100
53) 3-Nitroaniline	9.875	138	227936	39.400	ng	100
54) 2,4-Dinitrophenol	9.975	184	108966	39.501	ng	100
55) Dibenzofuran	10.127	168	1245474	38.415	ng	100
56) 4-Nitrophenol	10.028	139	172375	42.377	ng	100
57) 2,4-Dinitrotoluene	10.104	165	317622	39.839	ng	100
58) Fluorene	10.469	166	979791	37.965	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.239	232	258822	39.028	ng	100
60) Diethylphthalate	10.339	149	1006201	38.739	ng	100
61) 4-Chlorophenyl-phenyle...	10.457	204	493246	37.922	ng	100
62) 4-Nitroaniline	10.492	138	229397	39.902	ng	100
63) Azobenzene	10.622	77	1034313	38.414	ng	100
65) 4,6-Dinitro-2-methylph...	10.516	198	162780	41.771	ng	100
66) n-Nitrosodiphenylamine	10.580	169	817000	38.283	ng	100
67) 4-Bromophenyl-phenylether	10.951	248	309696	38.761	ng	100
68) Hexachlorobenzene	11.016	284	351085	38.549	ng	100
69) Atrazine	11.104	200	231662	39.677	ng	100
70) Pentachlorophenol	11.210	266	204837	41.885	ng	100
71) Phenanthrene	11.433	178	1357899	38.348	ng	100
72) Anthracene	11.486	178	1326144	38.193	ng	100
73) Carbazole	11.639	167	1219377	38.434	ng	100
74) Di-n-butylphthalate	11.969	149	1447372	38.540	ng	100
75) Fluoranthene	12.621	202	1409323	38.063	ng	100
77) Benzidine	12.745	184	438973	50.073	ng	100
78) Pyrene	12.851	202	1425552	38.506	ng	100
80) Butylbenzylphthalate	13.468	149	535390	40.162	ng	100
81) Benzo(a)anthracene	14.051	228	1104611	38.388	ng	100
82) 3,3'-Dichlorobenzidine	14.010	252	373765	41.363	ng	100
83) Chrysene	14.086	228	1034634	38.396	ng	100
84) Bis(2-ethylhexyl)phtha...	14.033	149	734105	39.291	ng	100
85) Di-n-octyl phthalate	14.674	149	1136607	40.417	ng	100
87) Indeno(1,2,3-cd)pyrene	17.080	276	1014754	40.725	ng	100
88) Benzo(b)fluoranthene	15.127	252	1056855	41.161	ng	100
89) Benzo(k)fluoranthene	15.157	252	871802	37.002	ng	100
90) Benzo(a)pyrene	15.504	252	842886	39.816	ng	100
91) Dibenzo(a,h)anthracene	17.098	278	830761	40.525	ng	100
92) Benzo(g,h,i)perylene	17.539	276	844017	40.360	ng	100

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110524\
Data File : BF140235.D
Acq On : 05 Nov 2024 14:11
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Nov 05 16:07:41 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 15:55:36 2024
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110524\
 Data File : BF140236.D
 Acq On : 05 Nov 2024 14:37
 Operator : RC/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/06/2024

Supervised By :mohammad ahmed 11/06/2024

Quant Time: Nov 05 16:08:29 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Nov 05 15:55:36 2024

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	191267	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	704633	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	400668	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	706355	20.000	ng	0.00
76) Chrysene-d12	14.063	240	414179	20.000	ng	0.00
86) Perylene-d12	15.568	264	413813	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	1087870	94.257	ng	0.00
7) Phenol-d6	6.510	99	1398138	94.181	ng	0.00
23) Nitrobenzene-d5	7.445	82	1362891	96.164	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	395367	99.830	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	2300668	91.690	ng	0.00
79) Terphenyl-d14	12.998	244	2410293	95.330	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.663	88	251379	47.374	ng	99
3) Pyridine	3.428	79	619596	47.855	ng	99
4) n-Nitrosodimethylamine	3.393	42	366611	49.044	ng	98
6) Aniline	6.545	93	629145	46.909	ng	100
8) 2-Chlorophenol	6.669	128	567354	46.982	ng	97
9) Benzaldehyde	6.428	77	401278	43.882	ng	99
10) Phenol	6.522	94	753287	47.778	ng	99
11) bis(2-Chloroethyl)ether	6.616	93	574259	47.946	ng	100
12) 1,3-Dichlorobenzene	6.822	146	663180	46.863	ng	100
13) 1,4-Dichlorobenzene	6.898	146	666201	46.677	ng	100
14) 1,2-Dichlorobenzene	7.051	146	617459	46.320	ng	99
15) Benzyl Alcohol	7.022	79	548388	47.919	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.151	45	913475	47.118	ng	99
17) 2-Methylphenol	7.128	107	480339	47.682	ng	99
18) Hexachloroethane	7.392	117	250522	47.122	ng	99
19) n-Nitroso-di-n-propyla...	7.298	70	441208	46.587	ng	98
20) 3+4-Methylphenols	7.281	107	592825	46.857	ng	95
22) Acetophenone	7.292	105	812202	46.490	ng	95
24) Nitrobenzene	7.463	77	716391	48.173	ng	100
25) Isophorone	7.698	82	1160774	47.566	ng	100
26) 2-Nitrophenol	7.775	139	294047	49.707	ng	97
27) 2,4-Dimethylphenol	7.810	122	389731	48.427	ng	98
28) bis(2-Chloroethoxy)met...	7.910	93	686655	47.020	ng	99
29) 2,4-Dichlorophenol	8.016	162	475638	47.774	ng	99
30) 1,2,4-Trichlorobenzene	8.098	180	559810	46.924	ng	100
31) Naphthalene	8.181	128	1684351	46.291	ng	100
32) Benzoic acid	7.939	122	364495m	55.136	ng	
33) 4-Chloroaniline	8.228	127	566905	47.326	ng	99
34) Hexachlorobutadiene	8.298	225	383464	47.487	ng	100
35) Caprolactam	8.616	113	148595	49.063	ng	97
36) 4-Chloro-3-methylphenol	8.710	107	533391	48.119	ng	99
37) 2-Methylnaphthalene	8.869	142	1102535	46.428	ng	99
38) 1-Methylnaphthalene	8.969	142	1078000	46.314	ng	100
40) 1,2,4,5-Tetrachloroben...	9.039	216	560341	47.772	ng	100
41) Hexachlorocyclopentadiene	9.022	237	177651	54.050	ng	100
43) 2,4,6-Trichlorophenol	9.151	196	354951	48.833	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110524\
 Data File : BF140236.D
 Acq On : 05 Nov 2024 14:37
 Operator : RC/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/06/2024

Supervised By :mohammad ahmed 11/06/2024

Quant Time: Nov 05 16:08:29 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Nov 05 15:55:36 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	374740	49.033	ng	98
46) 1,1'-Biphenyl	9.339	154	1343825	46.401	ng	99
47) 2-Chloronaphthalene	9.363	162	1037538	47.599	ng	100
48) 2-Nitroaniline	9.457	65	363600	49.879	ng	99
49) Acenaphthylene	9.781	152	1467454	47.552	ng	100
50) Dimethylphthalate	9.645	163	1184161	47.989	ng	100
51) 2,6-Dinitrotoluene	9.704	165	286579	49.408	ng	99
52) Acenaphthene	9.951	154	1056679	48.275	ng	99
53) 3-Nitroaniline	9.875	138	267853	49.043	ng	100
54) 2,4-Dinitrophenol	9.980	184	135635	50.129	ng	90
55) Dibenzofuran	10.128	168	1426668	46.611	ng	99
56) 4-Nitrophenol	10.028	139	206577	53.794	ng	98
57) 2,4-Dinitrotoluene	10.110	165	373240	49.588	ng	99
58) Fluorene	10.469	166	1128891	46.333	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.239	232	309472	49.430	ng	98
60) Diethylphthalate	10.345	149	1172239	47.806	ng	99
61) 4-Chlorophenyl-phenyle...	10.463	204	574398	46.777	ng	98
62) 4-Nitroaniline	10.492	138	266984	49.191	ng	100
63) Azobenzene	10.622	77	1201951	47.285	ng	100
65) 4,6-Dinitro-2-methylph...	10.522	198	197108	53.132	ng	96
66) n-Nitrosodiphenylamine	10.580	169	958670	47.188	ng	99
67) 4-Bromophenyl-phenylether	10.951	248	367228	48.280	ng	100
68) Hexachlorobenzene	11.016	284	415114	47.879	ng	100
69) Atrazine	11.104	200	223757	40.257	ng	99
70) Pentachlorophenol	11.210	266	245274	52.683	ng	98
71) Phenanthrene	11.433	178	1563197	46.372	ng	100
72) Anthracene	11.486	178	1555121	47.047	ng	100
73) Carbazole	11.639	167	1421225	47.056	ng	100
74) Di-n-butylphthalate	11.969	149	1696138	47.443	ng	100
75) Fluoranthene	12.621	202	1639320	46.508	ng	100
77) Benzidine	12.745	184	377913	46.668	ng	100
78) Pyrene	12.851	202	1627613	47.594	ng	100
80) Butylbenzylphthalate	13.469	149	622157	50.524	ng	100
81) Benzo(a)anthracene	14.051	228	1275487	47.986	ng	100
82) 3,3'-Dichlorobenzidine	14.016	252	420080	50.327	ng	99
83) Chrysene	14.092	228	1218930	48.971	ng	100
84) Bis(2-ethylhexyl)phtha...	14.039	149	854076	49.487	ng	99
85) Di-n-octyl phthalate	14.674	149	1310054	50.431	ng	100
87) Indeno(1,2,3-cd)pyrene	17.086	276	1212009	49.896	ng	100
88) Benzo(b)fluoranthene	15.133	252	1163683	46.490	ng	100
89) Benzo(k)fluoranthene	15.163	252	1122240	48.860	ng	100
90) Benzo(a)pyrene	15.510	252	1008660	48.875	ng	100
91) Dibenzo(a,h)anthracene	17.104	278	1001042	50.091	ng	99
92) Benzo(g,h,i)perylene	17.545	276	1010770	49.580	ng	99

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

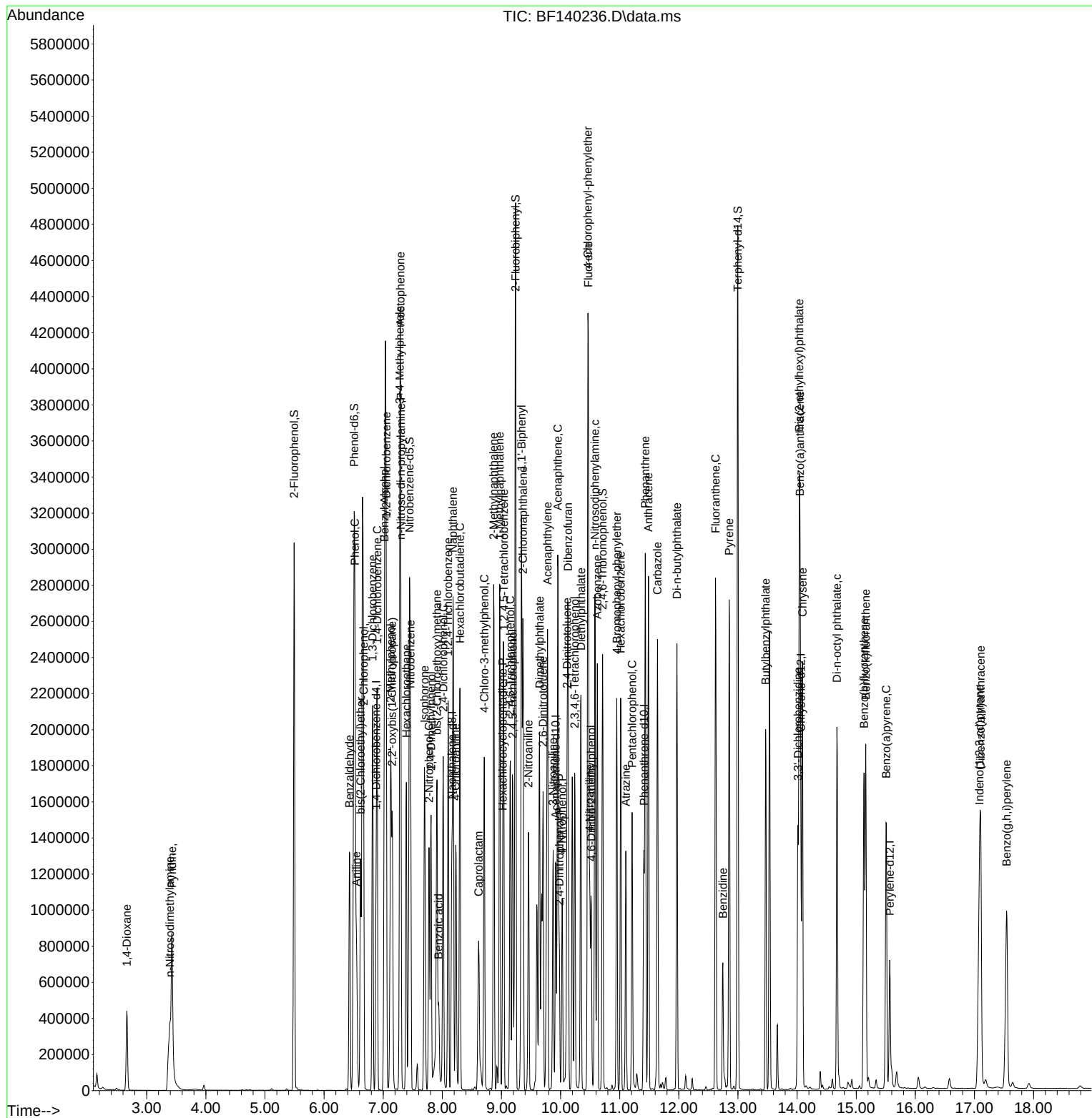
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110524\
Data File : BF140236.D
Acq On : 05 Nov 2024 14:37
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024

Quant Time: Nov 05 16:08:29 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 15:55:36 2024
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110524\
 Data File : BF140237.D
 Acq On : 05 Nov 2024 15:03
 Operator : RC/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC060

Quant Time: Nov 05 16:09:19 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 05 15:55:36 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	187804	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	684182	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	389440	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	668545	20.000	ng	0.00
76) Chrysene-d12	14.063	240	387632	20.000	ng	0.00
86) Perylene-d12	15.562	264	389692	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	1296648	114.418	ng	0.00
7) Phenol-d6	6.510	99	1654255	113.488	ng	0.00
23) Nitrobenzene-d5	7.445	82	1604122	116.569	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	471104	122.383	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	2724284	111.703	ng	0.00
79) Terphenyl-d14	12.998	244	2744132	115.967	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.669	88	297087	57.021	ng	100
3) Pyridine	3.434	79	731256	57.521	ng	99
4) n-Nitrosodimethylamine	3.404	42	442704	60.316	ng	99
6) Aniline	6.545	93	731513	55.547	ng	94
8) 2-Chlorophenol	6.669	128	665689	56.141	ng	99
9) Benzaldehyde	6.434	77	463884	51.664	ng	99
10) Phenol	6.528	94	869995	56.198	ng	95
11) bis(2-Chloroethyl)ether	6.622	93	676600	57.533	ng	98
12) 1,3-Dichlorobenzene	6.822	146	781851	56.268	ng	99
13) 1,4-Dichlorobenzene	6.898	146	789615	56.344	ng	99
14) 1,2-Dichlorobenzene	7.051	146	724385	55.343	ng	99
15) Benzyl Alcohol	7.022	79	650104	57.855	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.157	45	1069466	56.181	ng	99
17) 2-Methylphenol	7.128	107	575947	58.227	ng	100
18) Hexachloroethane	7.392	117	302379	57.925	ng	97
19) n-Nitroso-di-n-propyla...	7.298	70	527285	56.703	ng	99
20) 3+4-Methylphenols	7.286	107	699944	56.344	ng	98
22) Acetophenone	7.292	105	969684	57.164	ng	99
24) Nitrobenzene	7.469	77	835593	57.869	ng	98
25) Isophorone	7.704	82	1395796	58.907	ng	100
26) 2-Nitrophenol	7.775	139	355080	61.819	ng	98
27) 2,4-Dimethylphenol	7.810	122	465488	59.570	ng	98
28) bis(2-Chloroethoxy)met...	7.910	93	819842	57.818	ng	100
29) 2,4-Dichlorophenol	8.016	162	568685	58.828	ng	99
30) 1,2,4-Trichlorobenzene	8.098	180	670528	57.884	ng	99
31) Naphthalene	8.186	128	1981135	56.075	ng	100
32) Benzoic acid	7.951	122	433149	67.479	ng	98
33) 4-Chloroaniline	8.233	127	663940	57.083	ng	99
34) Hexachlorobutadiene	8.298	225	456993	58.284	ng	99
35) Caprolactam	8.622	113	175832	59.792	ng	94
36) 4-Chloro-3-methylphenol	8.710	107	631091	58.634	ng	99
37) 2-Methylnaphthalene	8.875	142	1286445	55.792	ng	99
38) 1-Methylnaphthalene	8.975	142	1270579	56.219	ng	100
40) 1,2,4,5-Tetrachloroben...	9.039	216	656406	57.575	ng	99
41) Hexachlorocyclopentadiene	9.028	237	211296	66.140	ng	100
43) 2,4,6-Trichlorophenol	9.151	196	415949	58.875	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110524\
 Data File : BF140237.D
 Acq On : 05 Nov 2024 15:03
 Operator : RC/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC060

Quant Time: Nov 05 16:09:19 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 05 15:55:36 2024
 Response via : Initial Calibration

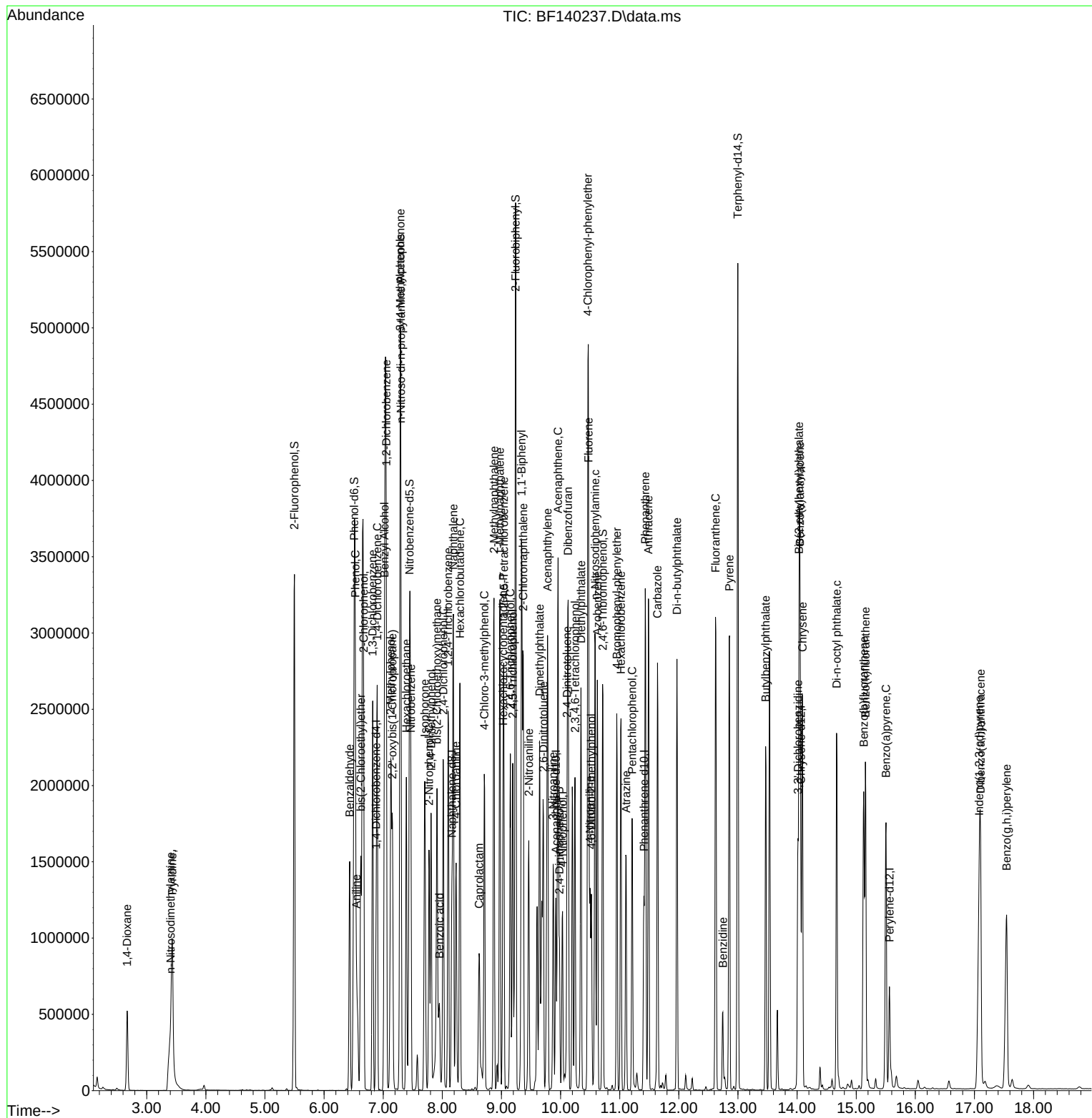
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	447116	60.190	ng	99
46) 1,1'-Biphenyl	9.339	154	1574040	55.917	ng	99
47) 2-Chloronaphthalene	9.369	162	1214984	57.347	ng	100
48) 2-Nitroaniline	9.463	65	425232	60.015	ng	98
49) Acenaphthylene	9.780	152	1696341	56.553	ng	100
50) Dimethylphthalate	9.645	163	1379088	57.500	ng	100
51) 2,6-Dinitrotoluene	9.710	165	331667	58.830	ng	98
52) Acenaphthene	9.957	154	1215804	57.146	ng	100
53) 3-Nitroaniline	9.875	138	305987	57.641	ng	98
54) 2,4-Dinitrophenol	9.980	184	162012	60.200	ng	93
55) Dibenzofuran	10.127	168	1660046	55.799	ng	99
56) 4-Nitrophenol	10.033	139	235349	63.053	ng	98
57) 2,4-Dinitrotoluene	10.110	165	436570	59.675	ng	99
58) Fluorene	10.474	166	1302899	55.017	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	359884	59.139	ng	99
60) Diethylphthalate	10.345	149	1360979	57.103	ng	99
61) 4-Chlorophenyl-phenyle...	10.463	204	664356	55.663	ng	99
62) 4-Nitroaniline	10.498	138	315006	59.713	ng	100
63) Azobenzene	10.622	77	1389839	56.253	ng	99
65) 4,6-Dinitro-2-methylph...	10.522	198	232444	66.200	ng	100
66) n-Nitrosodiphenylamine	10.586	169	1100732	57.245	ng	99
67) 4-Bromophenyl-phenylether	10.951	248	424672	58.989	ng	98
68) Hexachlorobenzene	11.022	284	485713	59.190	ng	96
69) Atrazine	11.110	200	276305	52.522	ng	98
70) Pentachlorophenol	11.210	266	288818	65.545	ng	98
71) Phenanthrene	11.433	178	1809268	56.708	ng	100
72) Anthracene	11.486	178	1755956	56.127	ng	100
73) Carbazole	11.639	167	1621848	56.735	ng	100
74) Di-n-butylphthalate	11.969	149	1938169	57.278	ng	99
75) Fluoranthene	12.621	202	1875187	56.208	ng	100
77) Benzidine	12.745	184	289825	38.241	ng	100
78) Pyrene	12.857	202	1855529	57.975	ng	100
80) Butylbenzylphthalate	13.468	149	711742	61.758	ng	100
81) Benzo(a)anthracene	14.051	228	1457853	58.604	ng	100
82) 3,3'-Dichlorobenzidine	14.015	252	466842	59.759	ng	99
83) Chrysene	14.092	228	1372108	58.900	ng	100
84) Bis(2-ethylhexyl)phtha...	14.033	149	965675	59.785	ng	99
85) Di-n-octyl phthalate	14.668	149	1501431	61.757	ng	100
87) Indeno(1,2,3-cd)pyrene	17.080	276	1437454	62.840	ng	100
88) Benzo(b)fluoranthene	15.127	252	1503916	63.802	ng	100
89) Benzo(k)fluoranthene	15.157	252	1139517	52.683	ng	100
90) Benzo(a)pyrene	15.504	252	1176631	60.543	ng	100
91) Dibenzo(a,h)anthracene	17.103	278	1169317	62.133	ng	100
92) Benzo(g,h,i)perylene	17.545	276	1189123	61.939	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110524\
Data File : BF140237.D
Acq On : 05 Nov 2024 15:03
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Nov 05 16:09:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 15:55:36 2024
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110524\
 Data File : BF140238.D
 Acq On : 05 Nov 2024 15:30
 Operator : RC/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC080

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/06/2024
 Supervised By :mohammad ahmed 11/06/2024

Quant Time: Nov 05 16:10:12 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 05 15:55:36 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	179294	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	638854	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	363215	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	613476	20.000	ng	0.00
76) Chrysene-d12	14.063	240	360851	20.000	ng	0.00
86) Perylene-d12	15.557	264	375613	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	1553298	143.571	ng	0.00
7) Phenol-d6	6.516	99	1997218	143.520	ng	0.01
23) Nitrobenzene-d5	7.451	82	1927630	150.016	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	566160	157.696	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	3186577	140.091	ng	0.00
79) Terphenyl-d14	12.998	244	3154306	143.194	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.675	88	366165	73.615	ng	99
3) Pyridine	3.440	79	884033	72.839	ng	99
4) n-Nitrosodimethylamine	3.416	42	535264	76.388	ng	98
6) Aniline	6.545	93	873525m	69.479	ng	
8) 2-Chlorophenol	6.669	128	803751	71.002	ng	98
9) Benzaldehyde	6.434	77	502710	58.646	ng	98
10) Phenol	6.534	94	1028744	69.607	ng	93
11) bis(2-Chloroethyl)ether	6.622	93	788669	70.245	ng	98
12) 1,3-Dichlorobenzene	6.822	146	948017	71.465	ng	98
13) 1,4-Dichlorobenzene	6.898	146	947921	70.851	ng	99
14) 1,2-Dichlorobenzene	7.057	146	861682	68.957	ng	99
15) Benzyl Alcohol	7.028	79	770810	71.853	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.157	45	1264883	69.600	ng	97
17) 2-Methylphenol	7.134	107	698110	73.928	ng	98
18) Hexachloroethane	7.392	117	363441	72.927	ng	98
19) n-Nitroso-di-n-propyla...	7.304	70	635160	71.545	ng	98
20) 3+4-Methylphenols	7.292	107	824817	69.547	ng	93
22) Acetophenone	7.298	105	1157126	73.054	ng	97
24) Nitrobenzene	7.469	77	1011878	75.049	ng	99
25) Isophorone	7.704	82	1686916	76.244	ng	100
26) 2-Nitrophenol	7.781	139	430227	80.216	ng	99
27) 2,4-Dimethylphenol	7.816	122	552279	75.691	ng	99
28) bis(2-Chloroethoxy)met...	7.910	93	978867	73.931	ng	99
29) 2,4-Dichlorophenol	8.022	162	679091	75.233	ng	100
30) 1,2,4-Trichlorobenzene	8.104	180	802903	74.229	ng	99
31) Naphthalene	8.187	128	2354435	71.369	ng	99
32) Benzoic acid	7.963	122	552936	92.252	ng	99
33) 4-Chloroaniline	8.234	127	795029	73.203	ng	99
34) Hexachlorobutadiene	8.298	225	542123	74.047	ng	100
35) Caprolactam	8.634	113	209799	76.404	ng	96
36) 4-Chloro-3-methylphenol	8.716	107	761412	75.762	ng	99
37) 2-Methylnaphthalene	8.875	142	1545877	71.800	ng	100
38) 1-Methylnaphthalene	8.975	142	1490940	70.650	ng	99
40) 1,2,4,5-Tetrachloroben...	9.039	216	781557	73.502	ng	98
41) Hexachlorocyclopentadiene	9.028	237	245812	82.499	ng	99
43) 2,4,6-Trichlorophenol	9.151	196	521749	79.182	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110524\
 Data File : BF140238.D
 Acq On : 05 Nov 2024 15:30
 Operator : RC/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/06/2024

Supervised By :mohammad ahmed 11/06/2024

Quant Time: Nov 05 16:10:12 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Nov 05 15:55:36 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	515907	74.465	ng	99
46) 1,1'-Biphenyl	9.345	154	1861824	70.916	ng	100
47) 2-Chloronaphthalene	9.369	162	1438094	72.779	ng	100
48) 2-Nitroaniline	9.463	65	511688	77.432	ng	100
49) Acenaphthylene	9.786	152	1981461	70.829	ng	99
50) Dimethylphthalate	9.651	163	1648568	73.699	ng	100
51) 2,6-Dinitrotoluene	9.710	165	395842	75.283	ng	99
52) Acenaphthene	9.957	154	1457019	73.428	ng	99
53) 3-Nitroaniline	9.880	138	360119	72.736	ng	99
54) 2,4-Dinitrophenol	9.980	184	206705	80.097	ng	93
55) Dibenzofuran	10.128	168	1923447	69.321	ng	98
56) 4-Nitrophenol	10.033	139	286572	82.320	ng	97
57) 2,4-Dinitrotoluene	10.116	165	511625	74.983	ng	96
58) Fluorene	10.475	166	1539044	69.681	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	432612	76.223	ng	99
60) Diethylphthalate	10.345	149	1594332	71.724	ng	99
61) 4-Chlorophenyl-phenyle...	10.463	204	787851	70.776	ng	98
62) 4-Nitroaniline	10.504	138	368601	74.917	ng	99
63) Azobenzene	10.622	77	1629928	70.734	ng	99
65) 4,6-Dinitro-2-methylph...	10.528	198	276945	85.954	ng	97
66) n-Nitrosodiphenylamine	10.586	169	1301106	73.739	ng	99
67) 4-Bromophenyl-phenylether	10.957	248	507294	76.792	ng	98
68) Hexachlorobenzene	11.022	284	580637	77.109	ng	97
69) Atrazine	11.110	200	326635	67.663	ng	98
70) Pentachlorophenol	11.210	266	349278	86.381	ng	98
71) Phenanthrene	11.439	178	2082362	71.126	ng	100
72) Anthracene	11.486	178	2042359	71.142	ng	100
73) Carbazole	11.639	167	1862628	71.007	ng	99
74) Di-n-butylphthalate	11.969	149	2225588	71.676	ng	99
75) Fluoranthene	12.627	202	2135917	69.771	ng	100
77) Benzidine	12.745	184	405592	57.488	ng	100
78) Pyrene	12.857	202	2150940	72.192	ng	100
80) Butylbenzylphthalate	13.469	149	813988	75.871	ng	100
81) Benzo(a)anthracene	14.051	228	1722006	74.360	ng	100
82) 3,3'-Dichlorobenzidine	14.016	252	566018	77.832	ng	99
83) Chrysene	14.092	228	1605865	74.050	ng	99
84) Bis(2-ethylhexyl)phtha...	14.033	149	1119347	74.442	ng	100
85) Di-n-octyl phthalate	14.668	149	1789365	79.062	ng	100
87) Indeno(1,2,3-cd)pyrene	17.080	276	1789661	81.170	ng	100
88) Benzo(b)fluoranthene	15.127	252	1674832	73.716	ng	99
89) Benzo(k)fluoranthene	15.157	252	1553046	74.493	ng	100
90) Benzo(a)pyrene	15.498	252	1448461	77.324	ng	99
91) Dibenzo(a,h)anthracene	17.104	278	1466580	80.849	ng	100
92) Benzo(g,h,i)perylene	17.545	276	1506017	81.386	ng	99

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

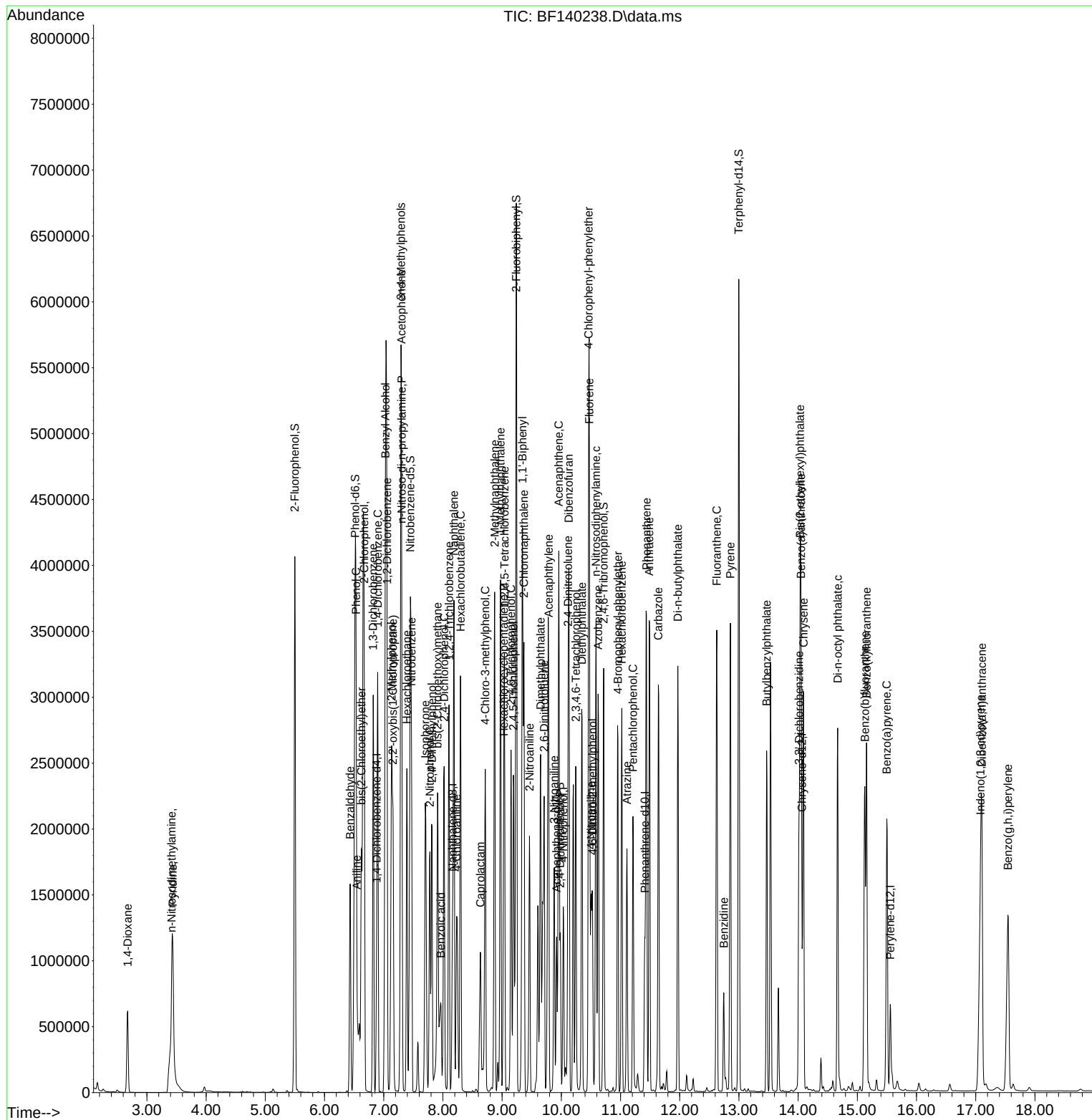
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110524\
Data File : BF140238.D
Acq On : 05 Nov 2024 15:30
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024

Quant Time: Nov 05 16:10:12 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 15:55:36 2024
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110524\
 Data File : BF140239.D
 Acq On : 05 Nov 2024 16:07
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF110524

Quant Time: Nov 05 16:49:06 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 05 16:47:56 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	201048	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	759123	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	435405	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	768315	20.000	ng	0.00
76) Chrysene-d12	14.068	240	458470	20.000	ng	0.00
86) Perylene-d12	15.586	264	426570	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	950662	78.362	ng	0.00
7) Phenol-d6	6.504	99	1208283	77.432	ng	0.00
23) Nitrobenzene-d5	7.445	82	1172862	76.816	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	348804	81.047	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	2039648	74.802	ng	0.00
79) Terphenyl-d14	12.998	244	2159767	77.169	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.663	88	220111	39.464	ng	99
3) Pyridine	3.422	79	536919	39.452	ng	99
4) n-Nitrosodimethylamine	3.387	42	308453	39.257	ng	98
6) Aniline	6.545	93	564115	40.014	ng	99
8) 2-Chlorophenol	6.663	128	491144	38.692	ng	100
9) Benzaldehyde	6.428	77	382393	39.783	ng	99
10) Phenol	6.522	94	645216	38.933	ng	100
11) bis(2-Chloroethyl)ether	6.616	93	495460	39.355	ng	98
12) 1,3-Dichlorobenzene	6.822	146	578364	38.882	ng	99
13) 1,4-Dichlorobenzene	6.898	146	576062	38.398	ng	99
14) 1,2-Dichlorobenzene	7.051	146	535197	38.196	ng	99
15) Benzyl Alcohol	7.016	79	472112	39.247	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	782550	38.401	ng	100
17) 2-Methylphenol	7.128	107	415570	39.246	ng	100
18) Hexachloroethane	7.392	117	220724	39.497	ng	99
19) n-Nitroso-di-n-propyla...	7.292	70	383204	38.494	ng	99
20) 3+4-Methylphenols	7.281	107	520181	39.115	ng	99
22) Acetophenone	7.287	105	709958	37.721	ng	99
24) Nitrobenzene	7.463	77	607962	37.948	ng	98
25) Isophorone	7.698	82	1006205	38.273	ng	100
26) 2-Nitrophenol	7.775	139	257144	40.349	ng	99
27) 2,4-Dimethylphenol	7.810	122	339849	39.198	ng	98
28) bis(2-Chloroethoxy)met...	7.904	93	598024	38.011	ng	99
29) 2,4-Dichlorophenol	8.016	162	420190	39.176	ng	100
30) 1,2,4-Trichlorobenzene	8.098	180	492037	38.282	ng	99
31) Naphthalene	8.181	128	1471734	37.544	ng	100
32) Benzoic acid	7.928	122	309063	43.437	ng	98
33) 4-Chloroaniline	8.228	127	489727	37.948	ng	99
34) Hexachlorobutadiene	8.298	225	335056	38.514	ng	99
35) Caprolactam	8.610	113	128447	39.367	ng	97
36) 4-Chloro-3-methylphenol	8.710	107	469388	39.305	ng	99
37) 2-Methylnaphthalene	8.869	142	966236	37.768	ng	100
38) 1-Methylnaphthalene	8.969	142	951613	37.949	ng	99
40) 1,2,4,5-Tetrachloroben...	9.039	216	496500	38.952	ng	99
41) Hexachlorocyclopentadiene	9.022	237	149082	41.739	ng	100
43) 2,4,6-Trichlorophenol	9.151	196	312622	39.578	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110524\
 Data File : BF140239.D
 Acq On : 05 Nov 2024 16:07
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF110524

Quant Time: Nov 05 16:49:06 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 05 16:47:56 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	332641	40.052	ng	98
46) 1,1'-Biphenyl	9.339	154	1191279	37.852	ng	100
47) 2-Chloronaphthalene	9.363	162	899403	37.970	ng	99
48) 2-Nitroaniline	9.457	65	316714	39.981	ng	100
49) Acenaphthylene	9.780	152	1298263	38.713	ng	99
50) Dimethylphthalate	9.645	163	1040659	38.809	ng	100
51) 2,6-Dinitrotoluene	9.704	165	253186	40.169	ng	99
52) Acenaphthene	9.957	154	919653	38.663	ng	99
53) 3-Nitroaniline	9.875	138	238606	40.203	ng	100
54) 2,4-Dinitrophenol	9.980	184	111523	39.421	ng	89
55) Dibenzofuran	10.128	168	1266586	38.079	ng	100
56) 4-Nitrophenol	10.028	139	180092	43.155	ng	98
57) 2,4-Dinitrotoluene	10.110	165	326533	39.922	ng	99
58) Fluorene	10.469	166	999362	37.745	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	274661	40.370	ng	97
60) Diethylphthalate	10.345	149	1041374	39.080	ng	99
61) 4-Chlorophenyl-phenyle...	10.463	204	508846	38.133	ng	98
62) 4-Nitroaniline	10.492	138	238231	40.392	ng	99
63) Azobenzene	10.622	77	1047395	37.917	ng	99
65) 4,6-Dinitro-2-methylph...	10.522	198	168609	41.784	ng	93
66) n-Nitrosodiphenylamine	10.580	169	846277	38.296	ng	100
67) 4-Bromophenyl-phenylether	10.951	248	322387	38.966	ng	99
68) Hexachlorobenzene	11.016	284	369444	39.175	ng	99
69) Atrazine	11.104	200	237217	39.237	ng	98
70) Pentachlorophenol	11.210	266	218133	43.075	ng	98
71) Phenanthrene	11.433	178	1395108	38.048	ng	100
72) Anthracene	11.486	178	1363354	37.919	ng	100
73) Carbazole	11.639	167	1265126	38.509	ng	99
74) Di-n-butylphthalate	11.969	149	1533416	39.432	ng	100
75) Fluoranthene	12.627	202	1470702	38.360	ng	99
77) Benzidine	12.745	184	558339	62.287	ng	99
78) Pyrene	12.857	202	1479380	39.081	ng	99
80) Butylbenzylphthalate	13.474	149	566979	41.595	ng	97
81) Benzo(a)anthracene	14.057	228	1179757	40.097	ng	99
82) 3,3'-Dichlorobenzidine	14.021	252	392180	42.445	ng	98
83) Chrysene	14.098	228	1057688	38.388	ng	99
84) Bis(2-ethylhexyl)phtha...	14.045	149	774375	40.534	ng	100
85) Di-n-octyl phthalate	14.692	149	1203695	41.861	ng	100
87) Indeno(1,2,3-cd)pyrene	17.104	276	1022918	40.852	ng	100
88) Benzo(b)fluoranthene	15.151	252	1006845	39.022	ng	99
89) Benzo(k)fluoranthene	15.180	252	946907	39.994	ng	99
90) Benzo(a)pyrene	15.527	252	854325	40.159	ng	99
91) Dibenzo(a,h)anthracene	17.121	278	839533	40.753	ng	99
92) Benzo(g,h,i)perylene	17.568	276	844908	40.205	ng	99

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

Instrument :
BNA_F
ClientSampleId :
ICVBF110524

Abundance

TIC: BF140239.D\data.ms

Time-->

1,4-Dioxane

n-Nitrosodimethylaniline,

2-Fluorophenol,S

Benzaldehyde

Aniline

bis(2-Chloroethyl)ether

Phenol-d6,S

2-Chlorophenol,

1,4-Dichlorobenzene

2,2'-oxybis[1-(2-Methylphenyl)]ethane

1,2-Dichlorobenzene

Nitrobenzene-d5,S

n-Nitroso-4-methylaminobiphenone

Hexachlorocyclopentadiene

Isophorone

2-Nitrotoluene

2,4-Dichlorophenylmethane

2,4-Dichlorophenylchloride

Hexachlorobutadiene,C

Caprolactam

4-Chloro-3-methylphenol,C

Hexachlorocyclopentadiene

2,4,6-Trichlorophenol,d1

2-Nitroaniline

2-Chloronaphthalene,1,1-Biphenyl

Acenaphthylene

Acenaphthene,C

Dibenzofuran

2,3,4,6-Tetrachlorophthalate

2,4-Dinitrophenol

4,6-Dinitrophenol

Azobenzene

n-Nitrosodiphenylamine,c

n-Nitrosodiphenylamine,S

Acenaphthylene

Anthracene

Carbazole

Di-n-butylphthalate

Fluoranthene,C

Pyrene

Terphenyl-d14,S

Butylbenzylphthalate

3,3'-Dichlorobenzidine

Chrysene,d10

Di-n-octyl phthalate,c

Benz(a)anthracene

Perylene-d12,I

Benzo(a)pyrene,C

Indeno(1,2,3-cd)pyrene,anthracene

Benzo(g,h,i)perylene

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110524\
 Data File : BF140239.D
 Acq On : 05 Nov 2024 16:07
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF110524

Quant Time: Nov 05 16:49:06 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 05 16:47:56 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	100	0.00
2	1,4-Dioxane	0.555	0.547	1.4	99	0.00
3	Pyridine	1.354	1.335	1.4	100	0.00
4	n-Nitrosodimethylamine	0.782	0.767	1.9	98	0.00
5 S	2-Fluorophenol	1.207	1.182	2.1	102	0.00
6	Aniline	1.402	1.403	-0.1	103	0.00
7 S	Phenol-d6	1.552	1.502	3.2	100	0.00
8	2-Chlorophenol	1.263	1.221	3.3	101	0.00
9	Benzaldehyde	0.956	0.951	0.5	100	0.00
10 C	Phenol	1.649	1.605	2.7	101	0.00
11	bis(2-Chloroethyl)ether	1.252	1.232	1.6	102	0.00
12	1,3-Dichlorobenzene	1.480	1.438	2.8	102	0.00
13 C	1,4-Dichlorobenzene	1.492	1.433	4.0	101	0.00
14	1,2-Dichlorobenzene	1.394	1.331	4.5	102	0.00
15	Benzyl Alcohol	1.197	1.174	1.9	99	0.00
16	2,2'-oxybis(1-Chloropropane	2.027	1.946	4.0	99	0.00
17	2-Methylphenol	1.053	1.034	1.8	100	0.00
18	Hexachloroethane	0.556	0.549	1.3	103	0.00
19 P	n-Nitroso-di-n-propylamine	0.990	0.953	3.7	100	0.00
20	3+4-Methylphenols	1.323	1.294	2.2	101	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	103	0.00
22	Acetophenone	0.496	0.468	5.6	101	0.00
23 S	Nitrobenzene-d5	0.402	0.386	4.0	101	0.00
24	Nitrobenzene	0.422	0.400	5.2	99	0.00
25	Isophorone	0.693	0.663	4.3	101	0.00
26 C	2-Nitrophenol	0.168	0.169	-0.6	102	0.00
27	2,4-Dimethylphenol	0.228	0.224	1.8	103	0.00
28	bis(2-Chloroethoxy)methane	0.415	0.394	5.1	101	0.00
29 C	2,4-Dichlorophenol	0.283	0.277	2.1	102	0.00
30	1,2,4-Trichlorobenzene	0.339	0.324	4.4	102	0.00
31	Naphthalene	1.033	0.969	6.2	100	0.00
32	Benzoic acid	0.187	0.204	-9.1	108	0.00
33	4-Chloroaniline	0.340	0.323	5.0	100	0.00
34 C	Hexachlorobutadiene	0.229	0.221	3.5	102	0.00
35	Caprolactam	0.086	0.085	1.2	102	0.00
36 C	4-Chloro-3-methylphenol	0.315	0.309	1.9	102	0.00
37	2-Methylnaphthalene	0.674	0.636	5.6	101	0.00
38	1-Methylnaphthalene	0.661	0.627	5.1	102	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	103	0.00
40	1,2,4,5-Tetrachlorobenzene	0.586	0.570	2.7	104	0.00
41 P	Hexachlorocyclopentadiene	0.164	0.171	-4.3	96	0.00
42 S	2,4,6-Tribromophenol	0.198	0.200	-1.0	106	0.00
43 C	2,4,6-Trichlorophenol	0.363	0.359	1.1	102	0.00
44	2,4,5-Trichlorophenol	0.381	0.382	-0.3	105	0.00
45 S	2-Fluorobiphenyl	1.253	1.171	6.5	102	0.00
46	1,1'-Biphenyl	1.446	1.368	5.4	102	0.00
47	2-Chloronaphthalene	1.088	1.033	5.1	101	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110524\
 Data File : BF140239.D
 Acq On : 05 Nov 2024 16:07
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF110524

Quant Time: Nov 05 16:49:06 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 05 16:47:56 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	0.364	0.364	0.0	101	0.00
49	Acenaphthylene	1.540	1.491	3.2	103	0.00
50	Dimethylphthalate	1.232	1.195	3.0	103	0.00
51	2,6-Dinitrotoluene	0.290	0.291	-0.3	104	0.00
52 C	Acenaphthene	1.093	1.056	3.4	102	0.00
53	3-Nitroaniline	0.273	0.274	-0.4	105	0.00
54 P	2,4-Dinitrophenol	0.120	0.128	-6.7	102	0.00
55	Dibenzofuran	1.528	1.454	4.8	102	0.00
56 P	4-Nitrophenol	0.192	0.207	-7.8	104	0.00
57	2,4-Dinitrotoluene	0.376	0.375	0.3	103	0.00
58	Fluorene	1.216	1.148	5.6	102	0.00
59	2,3,4,6-Tetrachlorophenol	0.313	0.315	-0.6	106	0.00
60	Diethylphthalate	1.224	1.196	2.3	103	0.00
61	4-Chlorophenyl-phenylether	0.613	0.584	4.7	103	0.00
62	4-Nitroaniline	0.271	0.274	-1.1	104	0.00
63	Azobenzene	1.269	1.203	5.2	101	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	104	0.00
65	4,6-Dinitro-2-methylphenol	0.105	0.110	-4.8	104	0.00
66 c	n-Nitrosodiphenylamine	0.575	0.551	4.2	104	0.00
67	4-Bromophenyl-phenylether	0.215	0.210	2.3	104	0.00
68	Hexachlorobenzene	0.245	0.240	2.0	105	0.00
69	Atrazine	0.157	0.154	1.9	102	0.00
70 C	Pentachlorophenol	0.132	0.142	-7.6	106	0.00
71	Phenanthrene	0.954	0.908	4.8	103	0.00
72	Anthracene	0.936	0.887	5.2	103	0.00
73	Carbazole	0.855	0.823	3.7	104	0.00
74	Di-n-butylphthalate	1.012	0.998	1.4	106	0.00
75 C	Fluoranthene	0.998	0.957	4.1	104	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	102	0.00
77	Benzidine	0.391	0.609	-55.8#	127	0.00
78	Pyrene	1.651	1.613	2.3	104	0.00
79 S	Terphenyl-d14	1.221	1.178	3.5	104	0.00
80	Butylbenzylphthalate	0.595	0.618	-3.9	106	0.00
81	Benzo(a)anthracene	1.284	1.287	-0.2	107	0.00
82	3,3'-Dichlorobenzidine	0.403	0.428	-6.2	105	0.01
83	Chrysene	1.202	1.153	4.1	102	0.01
84	Bis(2-ethylhexyl)phthalate	0.833	0.845	-1.4	105	0.01
85 c	Di-n-octyl phthalate	1.254	1.313	-4.7	106	0.02
86 I	Perylene-d12	1.000	1.000	0.0	100	0.02
87	Indeno(1,2,3-cd)pyrene	1.174	1.199	-2.1	101	0.02
88	Benzo(b)fluoranthene	1.210	1.180	2.5	95	0.02
89	Benzo(k)fluoranthene	1.110	1.110	0.0	109	0.02
90 C	Benzo(a)pyrene	0.997	1.001	-0.4	101	0.02
91	Dibenzo(a,h)anthracene	0.966	0.984	-1.9	101	0.02
92	Benzo(g,h,i)perylene	0.985	0.990	-0.5	100	0.03

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110524\
Data File : BF140239.D
Acq On : 05 Nov 2024 16:07
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF110524

Quant Time: Nov 05 16:49:06 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 16:47:56 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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110524\
 Data File : BF140239.D
 Acq On : 05 Nov 2024 16:07
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 QLast Update : Tue Nov 05 16:47:56 2024
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Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	100	0.00
2	1,4-Dioxane	40.000	39.464	1.3	99	0.00
3	Pyridine	40.000	39.452	1.4	100	0.00
4	n-Nitrosodimethylamine	40.000	39.257	1.9	98	0.00
5 S	2-Fluorophenol	80.000	78.362	2.0	102	0.00
6	Aniline	40.000	40.014	-0.0	103	0.00
7 S	Phenol-d6	80.000	77.432	3.2	100	0.00
8	2-Chlorophenol	40.000	38.692	3.3	101	0.00
9	Benzaldehyde	40.000	39.783	0.5	100	0.00
10 C	Phenol	40.000	38.933	2.7	101	0.00
11	bis(2-Chloroethyl)ether	40.000	39.355	1.6	102	0.00
12	1,3-Dichlorobenzene	40.000	38.882	2.8	102	0.00
13 C	1,4-Dichlorobenzene	40.000	38.398	4.0	101	0.00
14	1,2-Dichlorobenzene	40.000	38.196	4.5	102	0.00
15	Benzyl Alcohol	40.000	39.247	1.9	99	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	38.401	4.0	99	0.00
17	2-Methylphenol	40.000	39.246	1.9	100	0.00
18	Hexachloroethane	40.000	39.497	1.3	103	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	38.494	3.8	100	0.00
20	3+4-Methylphenols	40.000	39.115	2.2	101	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	103	0.00
22	Acetophenone	40.000	37.721	5.7	101	0.00
23 S	Nitrobenzene-d5	80.000	76.816	4.0	101	0.00
24	Nitrobenzene	40.000	37.948	5.1	99	0.00
25	Isophorone	40.000	38.273	4.3	101	0.00
26 C	2-Nitrophenol	40.000	40.349	-0.9	102	0.00
27	2,4-Dimethylphenol	40.000	39.198	2.0	103	0.00
28	bis(2-Chloroethoxy)methane	40.000	38.011	5.0	101	0.00
29 C	2,4-Dichlorophenol	40.000	39.176	2.1	102	0.00
30	1,2,4-Trichlorobenzene	40.000	38.282	4.3	102	0.00
31	Naphthalene	40.000	37.544	6.1	100	0.00
32	Benzoic acid	40.000	43.437	-8.6	108	0.00
33	4-Chloroaniline	40.000	37.948	5.1	100	0.00
34 C	Hexachlorobutadiene	40.000	38.514	3.7	102	0.00
35	Caprolactam	40.000	39.367	1.6	102	0.00
36 C	4-Chloro-3-methylphenol	40.000	39.305	1.7	102	0.00
37	2-Methylnaphthalene	40.000	37.768	5.6	101	0.00
38	1-Methylnaphthalene	40.000	37.949	5.1	102	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	103	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	38.952	2.6	104	0.00
41 P	Hexachlorocyclopentadiene	40.000	41.739	-4.3	96	0.00
42 S	2,4,6-Tribromophenol	80.000	81.047	-1.3	106	0.00
43 C	2,4,6-Trichlorophenol	40.000	39.578	1.1	102	0.00
44	2,4,5-Trichlorophenol	40.000	40.052	-0.1	105	0.00
45 S	2-Fluorobiphenyl	80.000	74.802	6.5	102	0.00
46	1,1'-Biphenyl	40.000	37.852	5.4	102	0.00
47	2-Chloronaphthalene	40.000	37.970	5.1	101	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110524\
 Data File : BF140239.D
 Acq On : 05 Nov 2024 16:07
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF110524

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 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	39.981	0.0	101	0.00
49	Acenaphthylene	40.000	38.713	3.2	103	0.00
50	Dimethylphthalate	40.000	38.809	3.0	103	0.00
51	2,6-Dinitrotoluene	40.000	40.169	-0.4	104	0.00
52 C	Acenaphthene	40.000	38.663	3.3	102	0.00
53	3-Nitroaniline	40.000	40.203	-0.5	105	0.00
54 P	2,4-Dinitrophenol	40.000	39.421	1.4	102	0.00
55	Dibenzofuran	40.000	38.079	4.8	102	0.00
56 P	4-Nitrophenol	40.000	43.155	-7.9	104	0.00
57	2,4-Dinitrotoluene	40.000	39.922	0.2	103	0.00
58	Fluorene	40.000	37.745	5.6	102	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	40.370	-0.9	106	0.00
60	Diethylphthalate	40.000	39.080	2.3	103	0.00
61	4-Chlorophenyl-phenylether	40.000	38.133	4.7	103	0.00
62	4-Nitroaniline	40.000	40.392	-1.0	104	0.00
63	Azobenzene	40.000	37.917	5.2	101	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	104	0.00
65	4,6-Dinitro-2-methylphenol	40.000	41.784	-4.5	104	0.00
66 c	n-Nitrosodiphenylamine	40.000	38.296	4.3	104	0.00
67	4-Bromophenyl-phenylether	40.000	38.966	2.6	104	0.00
68	Hexachlorobenzene	40.000	39.175	2.1	105	0.00
69	Atrazine	40.000	39.237	1.9	102	0.00
70 C	Pentachlorophenol	40.000	43.075	-7.7	106	0.00
71	Phenanthrene	40.000	38.048	4.9	103	0.00
72	Anthracene	40.000	37.919	5.2	103	0.00
73	Carbazole	40.000	38.509	3.7	104	0.00
74	Di-n-butylphthalate	40.000	39.432	1.4	106	0.00
75 C	Fluoranthene	40.000	38.360	4.1	104	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	102	0.00
77	Benzydine	40.000	62.287	-55.7#	127	0.00
78	Pyrene	40.000	39.081	2.3	104	0.00
79 S	Terphenyl-d14	80.000	77.169	3.5	104	0.00
80	Butylbenzylphthalate	40.000	41.595	-4.0	106	0.00
81	Benzo(a)anthracene	40.000	40.097	-0.2	107	0.00
82	3,3'-Dichlorobenzidine	40.000	42.445	-6.1	105	0.01
83	Chrysene	40.000	38.388	4.0	102	0.01
84	Bis(2-ethylhexyl)phthalate	40.000	40.534	-1.3	105	0.01
85 c	Di-n-octyl phthalate	40.000	41.861	-4.7	106	0.02
86 I	Perylene-d12	20.000	20.000	0.0	100	0.02
87	Indeno(1,2,3-cd)pyrene	40.000	40.852	-2.1	101	0.02
88	Benzo(b)fluoranthene	40.000	39.022	2.4	95	0.02
89	Benzo(k)fluoranthene	40.000	39.994	0.0	109	0.02
90 C	Benzo(a)pyrene	40.000	40.159	-0.4	101	0.02
91	Dibenzo(a,h)anthracene	40.000	40.753	-1.9	101	0.02
92	Benzo(g,h,i)perylene	40.000	40.205	-0.5	100	0.03

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110524\
Data File : BF140239.D
Acq On : 05 Nov 2024 16:07
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF110524

Quant Time: Nov 05 16:49:06 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 16:47:56 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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: JPCL01
 Lab Code: CHEM Case No.: P4768 SAS No.: P4768 SDG No.: P4768
 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
Benzaldehyde		1.101	1.087	1.017	0.828	0.783	0.951	14.3
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
bis(2-Chloroethyl) ether		1.359	1.294	1.306	1.227	1.249	1.268	4.6
2-Chlorophenol		1.397	1.349	1.332	1.176	1.184	1.258	8.5
2-Methylphenol		1.092	1.062	1.072	0.998	1.016	1.035	5.1
2,2-oxybis(1-Chloropropane)		1.906	1.826	1.815	1.666	1.684	1.752	7.0
Acetophenone		0.532	0.508	0.481	0.434	0.441	0.465	9.4
3+4-Methylphenols		1.436	1.427	1.359	1.200	1.198	1.295	10.2
n-Nitroso-di-n-propylamine	1.032	1.029	1.003	0.986	0.883	0.905	0.959	7.3
Nitrobenzene-d5		0.411	0.401	0.399	0.368	0.379	0.384	5.3
Hexachloroethane		0.562	0.543	0.550	0.500	0.506	0.520	6.3
Nitrobenzene		0.423	0.421	0.406	0.390	0.394	0.400	4.6
Isophorone		0.736	0.702	0.692	0.654	0.671	0.680	4.9
2-Nitrophenol		0.175	0.179	0.181	0.175	0.181	0.177	2.0
2,4-Dimethylphenol		0.238	0.236	0.232	0.221	0.227	0.227	3.9
bis(2-Chloroethoxy) methane		0.461	0.442	0.430	0.398	0.404	0.417	6.8
2,4-Dichlorophenol		0.307	0.296	0.287	0.272	0.272	0.281	6.2
Naphthalene		1.160	1.105	1.064	0.950	0.955	1.015	9.6
4-Chloroaniline		0.390	0.386	0.370	0.333	0.340	0.353	8.4
Hexachlorobutadiene		0.220	0.214	0.210	0.188	0.190	0.199	7.7
Caprolactam		0.098	0.093	0.094	0.091	0.095	0.093	3.3
4-Chloro-3-methylphenol		0.331	0.327	0.320	0.299	0.304	0.311	5.1
2-Methylnaphthalene		0.751	0.706	0.683	0.610	0.607	0.651	10.0
Hexachlorocyclopentadiene			0.111	0.143	0.156	0.159	0.142	12.0
2,4,6-Trichlorophenol		0.380	0.374	0.374	0.360	0.352	0.363	3.9
2-Fluorobiphenyl		1.524	1.396	1.351	1.125	1.110	1.244	14.5
2,4,5-Trichlorophenol		0.421	0.417	0.412	0.387	0.390	0.397	5.4
1,1-Biphenyl		1.690	1.571	1.565	1.368	1.343	1.455	10.8
2-Chloronaphthalene		1.279	1.182	1.149	1.064	1.049	1.108	9.2
2-Nitroaniline		0.378	0.365	0.384	0.365	0.366	0.368	2.9
Dimethylphthalate		1.464	1.358	1.371	1.246	1.244	1.304	7.5
Acenaphthylene		1.940	1.802	1.786	1.582	1.552	1.677	10.3

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: JPCL01
 Lab Code: CHEM Case No.: P4768 SAS No.: P4768 SDG No.: P4768
 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
2,6-Dinitrotoluene		0.317	0.303	0.313	0.291	0.289	0.297	5.6
3-Nitroaniline		0.333	0.327	0.335	0.307	0.298	0.312	6.9
Acenaphthene		1.259	1.204	1.192	1.091	1.079	1.133	7.8
2,4-Dinitrophenol			0.109	0.148	0.178	0.170	0.153	16.3
4-Nitrophenol		0.199	0.217	0.239	0.240	0.237	0.228	6.7
Dibenzofuran		1.904	1.736	1.715	1.502	1.466	1.603	11.9
2,4-Dinitrotoluene		0.414	0.400	0.417	0.387	0.382	0.391	5.8
Diethylphthalate		1.525	1.417	1.398	1.272	1.246	1.333	8.8
4-Chlorophenyl-phenylether		0.739	0.688	0.669	0.583	0.567	0.625	12.0
Fluorene		1.525	1.403	1.365	1.168	1.137	1.267	13.1
4-Nitroaniline		0.335	0.325	0.328	0.316	0.313	0.319	3.9
4,6-Dinitro-2-methylphenol		0.080	0.098	0.113	0.117	0.120	0.108	13.0
n-Nitrosodiphenylamine		0.651	0.630	0.600	0.541	0.541	0.578	8.6
2,4,6-Tribromophenol		0.220	0.211	0.207	0.191	0.189	0.199	6.9
4-Bromophenyl-phenylether		0.227	0.210	0.209	0.191	0.188	0.200	8.1
Hexachlorobenzene		0.251	0.242	0.232	0.209	0.215	0.225	7.5
Atrazine		0.191	0.183	0.135	0.155	0.205	0.175	17.0
Pentachlorophenol		0.097	0.108	0.124	0.131	0.130	0.121	10.9
Phenanthrene		1.096	1.053	0.986	0.868	0.851	0.940	11.3
Anthracene		1.071	1.018	0.966	0.860	0.839	0.921	10.8
Carbazole		1.053	1.009	0.963	0.846	0.834	0.909	11.0
Di-n-butylphthalate		1.214	1.177	1.150	1.036	1.023	1.091	8.4
Fluoranthene		1.256	1.201	1.141	0.962	0.933	1.054	13.9
Pyrene		1.748	1.706	1.643	1.728	1.800	1.711	3.1
Terphenyl-d14		1.226	1.185	1.108	1.139	1.190	1.152	4.3
Butylbenzylphthalate		0.640	0.638	0.654	0.670	0.681	0.657	3.6
3,3-Dichlorobenzidine		0.438	0.431	0.433	0.406	0.416	0.418	3.8
Benzo (a) anthracene		1.451	1.418	1.351	1.229	1.294	1.314	7.3
Chrysene		1.394	1.241	1.235	1.137	1.123	1.199	8.4
Bis (2-ethylhexyl) phthalate		0.886	0.890	0.897	0.858	0.869	0.877	4.1
Di-n-octyl phthalate		1.231	1.217	1.270	1.187	1.241	1.235	2.9
Benzo (b) fluoranthene		1.405	1.352	1.471	1.235	1.233	1.308	7.8
Benzo (k) fluoranthene		1.286	1.241	1.120	0.952	0.935	1.069	14.5
Benzo (a) pyrene		1.100	1.053	1.054	0.970	0.980	1.016	5.4
Indeno (1,2,3-cd) pyrene		1.116	1.150	1.138	1.316	1.354	1.235	8.0

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



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: JPCL01

Lab Code: CHEM Case No.: P4768 SAS No.: P4768 SDG No.: P4768

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
Dibenzo (a,h) anthracene		0.941	0.952	0.944	1.074	1.121	1.021	7.3
Benzo (g,h,i) perylene		0.941	0.963	0.954	1.122	1.146	1.044	8.5
1,2,4,5-Tetrachlorobenzene		0.646	0.585	0.583	0.524	0.517	0.553	9.8
1,4-Dioxane		0.582	0.546	0.530	0.495	0.506	0.522	6.5
2,3,4,6-Tetrachlorophenol		0.322	0.328	0.326	0.308	0.302	0.313	4.6

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

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 =BF140339.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

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)

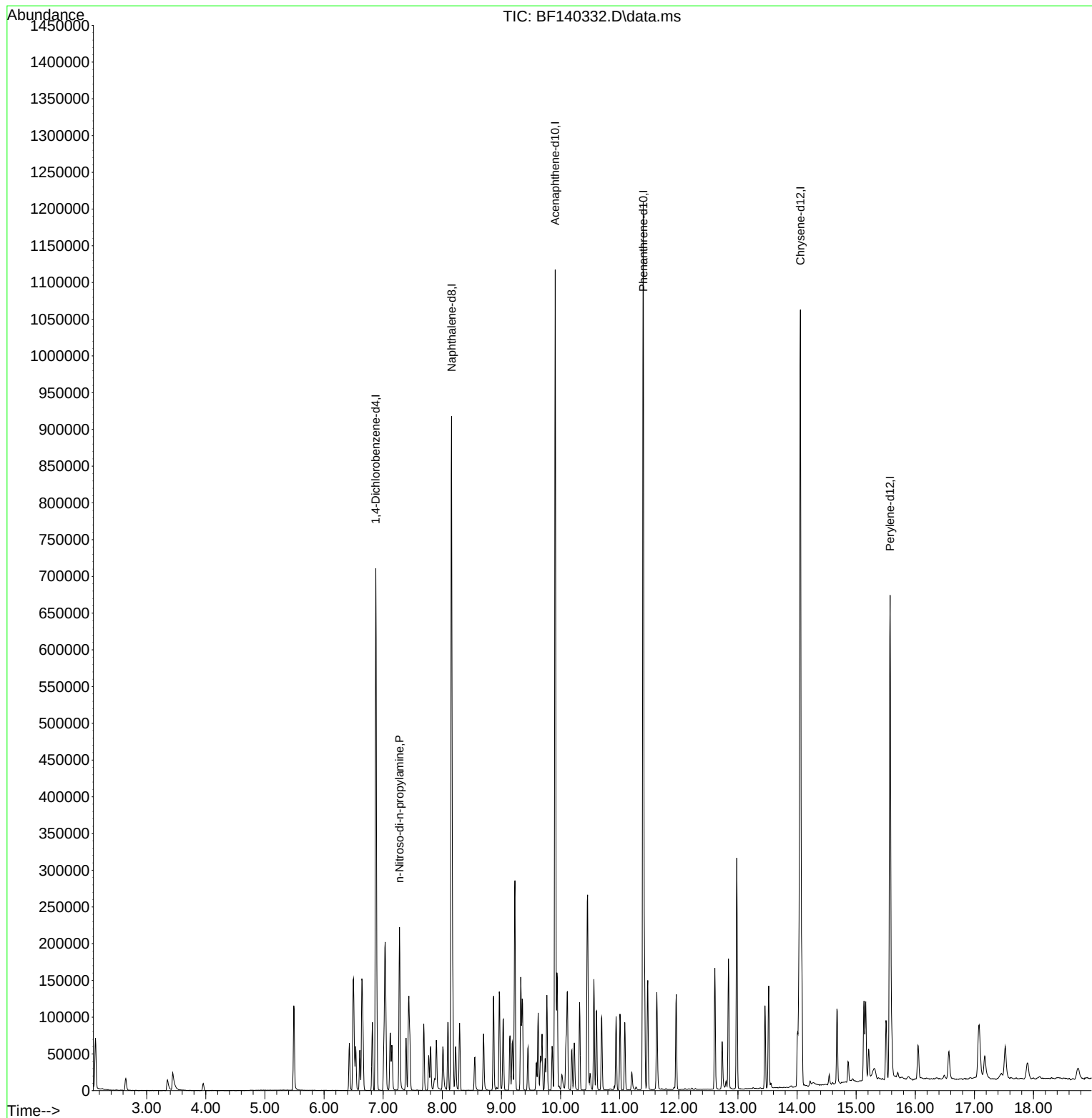
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	147206	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	569357	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	324094	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	631650	20.000	ng	0.00
76) Chrysene-d12	14.057	240	473843	20.000	ng	0.00
86) Perylene-d12	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

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



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)

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

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Supervised By :mohammad
ahmed
11/14/2024



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)

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

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

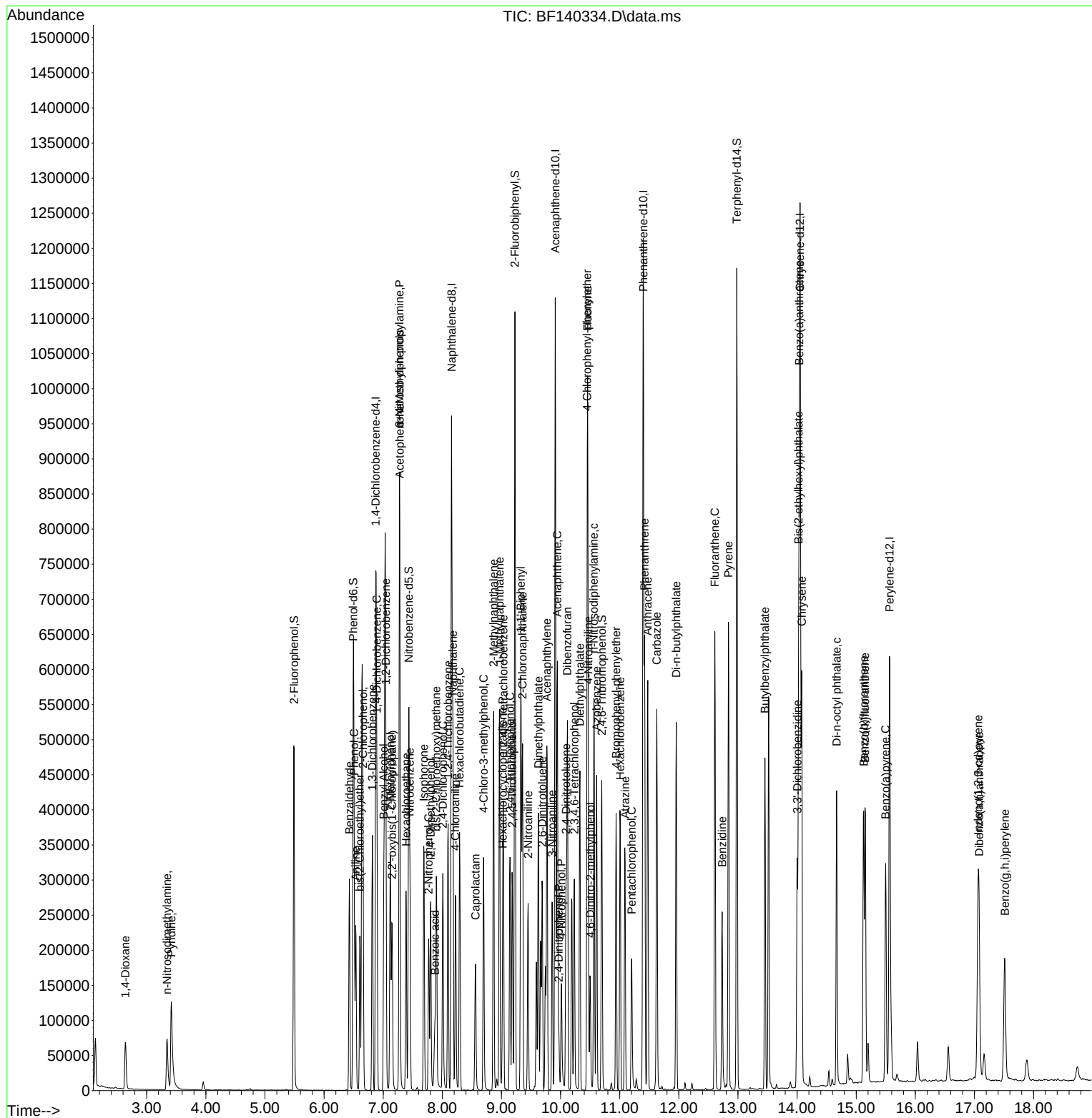
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 Data File : BF140334.D
 Acq On : 13 Nov 2024 09:53
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

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



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

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

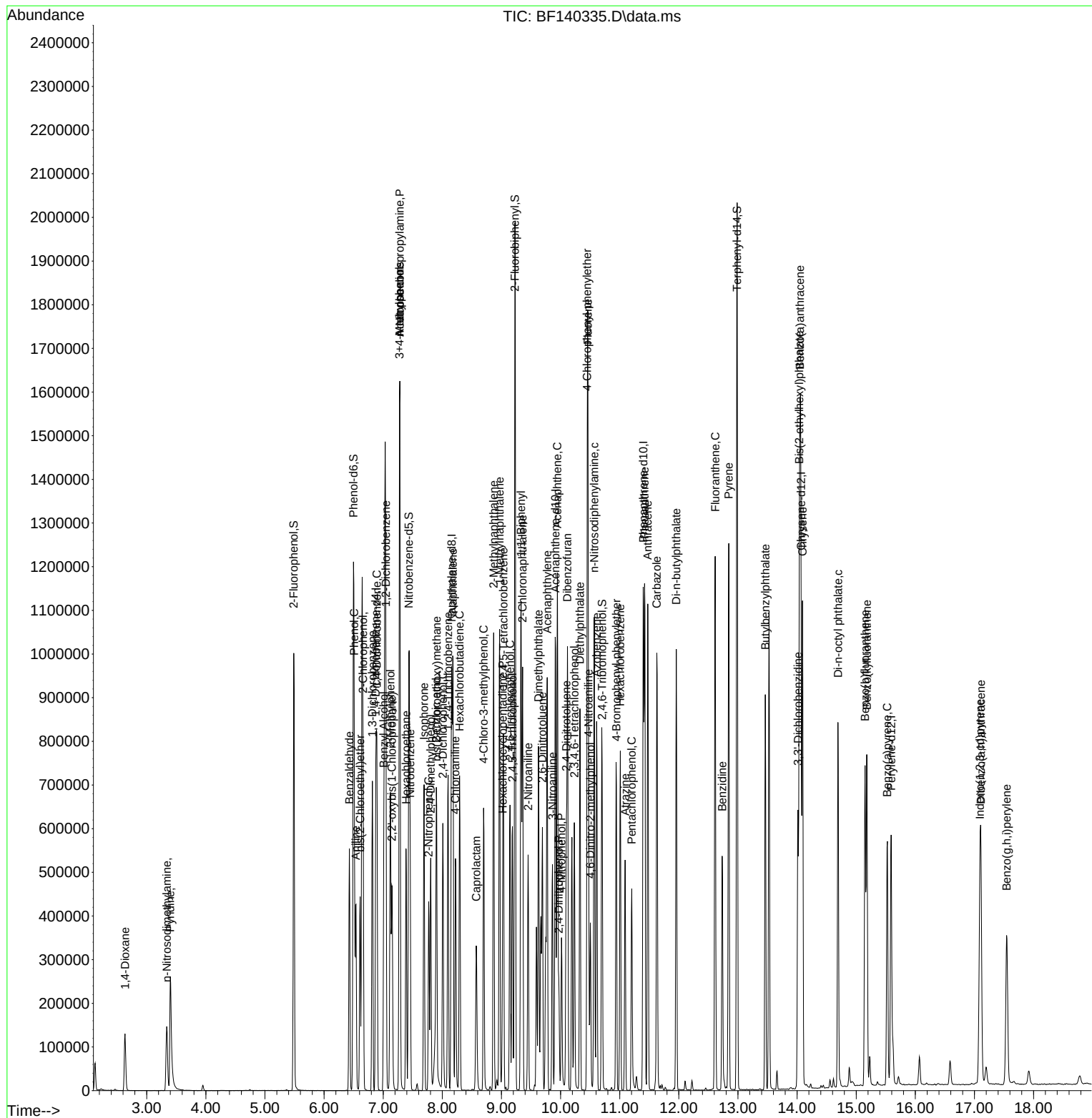
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	132413	20.789	ng	98
46) 1,1'-Biphenyl	9.333	154	502252	21.506	ng	99
47) 2-Chloronaphthalene	9.357	162	368985	20.741	ng	99
48) 2-Nitroaniline	9.451	65	123220	20.885	ng	98
49) Acenaphthylene	9.775	152	573335	21.301	ng	99
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

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



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

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

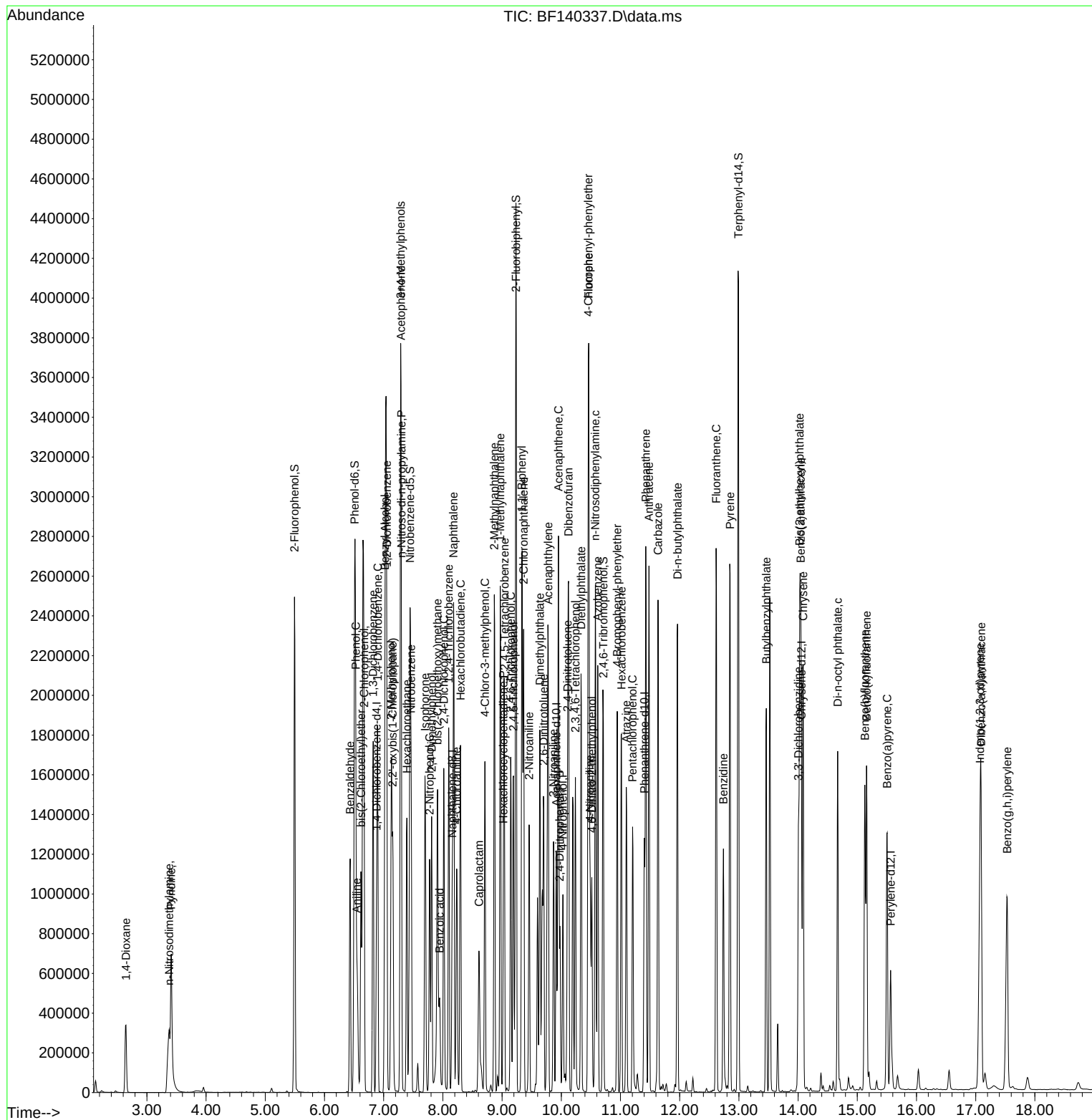
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	344237	48.773	ng	98
46) 1,1'-Biphenyl	9.334	154	1216913	47.025	ng	99
47) 2-Chloronaphthalene	9.363	162	945855	47.981	ng	99
48) 2-Nitroaniline	9.457	65	324847	49.689	ng	98
49) Acenaphthylene	9.781	152	1406468	47.156	ng	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

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



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

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

TIC: BF140338.D\data.ms

The chromatogram displays a complex mixture of compounds. Key peaks include:

- 1,4-Dioxane at approximately 3.2 minutes.
- n-Nitrosodimethylaniline at approximately 3.8 minutes.
- 2-Fluorophenol:S at approximately 5.6 minutes.
- A large cluster of peaks between 6.0 and 9.0 minutes, including Benzaldehyde, Aniline, Bis(2-chloroethyl)ether, 1,7-dichlorobenzene:d4, 2,2'-oxybis[1-(4-chlorophenyl)]propane, Hexachlorobenzene, Nitrobenzene-d5:S, Nitrobenzene-d6:S, Benzoic acid, 2-Nitrophenol:D, Isophthalonitrile, 2,4-Dichlorophenol, Naphthalene, Hexachlorobutadiene:C, Carbolactam, 4-Chloro-3-methylphenol:C, Hexachlorocyclopentadiene:C, 2,4,6-Trichlorophenol, 2-Nitroaniline, 2,6-Dinitroterephthalate, Acenaphthylene, Acenaphthene:C, Dibenzofuran, 2,3,4,6-Tetrachlorophenol, Diethyl phthalate, 4-Ethynylphenol, 2,4,6-Trichlorophenol:S, n-Nitrosodiphenylamine:c, Fluorene, 4-Chlorophenyl-phenylether, Phenanthrene-d10:L, Pentachlorophenol:C, Arachidonic acid, Carbazole, Di-n-butylphthalate, Fluoranthene:C, Pyrene, Terphenyl-d14,S, Butylbenzylphthalate, 3,3'-Dichlorobenzidine, Chrysene, Bis(2-ethylhexyloxy)phthalate, Di-n-octyl phthalate:c, Benzo(b)fluoranthene, Benzo(a)pyrene, C, Perylene-d12,L, Indeno(1,2,3-cd)pyrene, and Benzo(g,h,i)perylene.

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

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)
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

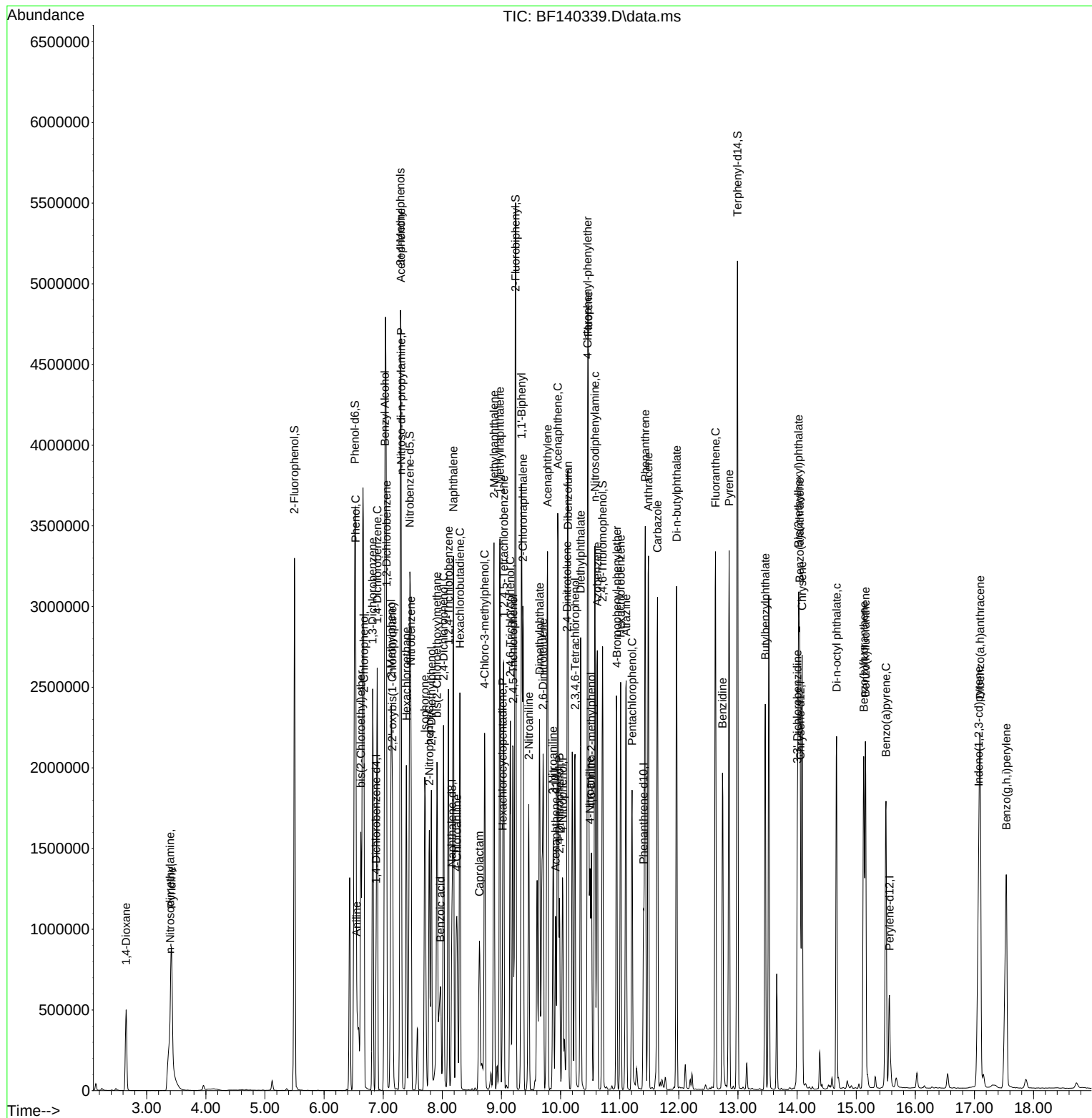
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
Data File : BF140339.D
Acq On : 13 Nov 2024 12:13
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations

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



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

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

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

TIC: BF140340.D\data.ms

Abundance

Time-->

1,4-Dioxane

n-Nitrosodiphenylamine,

2-Fluorophenol,S

Benzaldehyde

Phenol,C

Phenol-d6,S

2-Chlorophenol,

1,2-Dichlorobenzene-d4,1,1,3,3-tetrachlorobenzene,C

2,2'-oxybis(1-chloroethanol),P

Nitrobenzene-d5,S

Hexachlorocyclopentadiene,P

Nitrobenzene

Isophlogone

2-Nitrophenol,S

Chloroethoxymethane

2,4-Dichlorobenzonitrile

Naphthalene

Caprolactam

4-Chloro-3-methylphenol,C

Hexachlorocyclopentadiene,P

2,4,6-Trichlorophenol,C

2-Nitroaniline

2-Chloronaphthalene,1,1'-Biphenyl

Acenaphthylene

Dibenzofuran

Diethylphthalate

2,3,4,6-Tetrachlorophenol

4,6-Dinitro-2-methylphenol

4-Ethoxyphenol,S

2,4,6-Trichlorophenol,S

4-Chlorophenyl phenylether

Fluorene

Pentachlorophenol,C

Anthrathrene

Carbazole

Di-n-butylphthalate

Fluoranthene,C

Pyrene

Terphenyl-d14,S

Butylbenzylphthalate

3,3'-Dichlorobenzidine,d12,1

Chrysene

Benzo(a,b,c,h,i,l,p,q,r,x,y,z)-hexylphthalate

Di-n-octyl phthalate,c

Benzo(b)fluoranthene

Benzo(e)pyrene,C

Perylene-d12,I

Indeno(1,2,3-cd)pyrene

Benzo(g,h,i)perylene

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

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

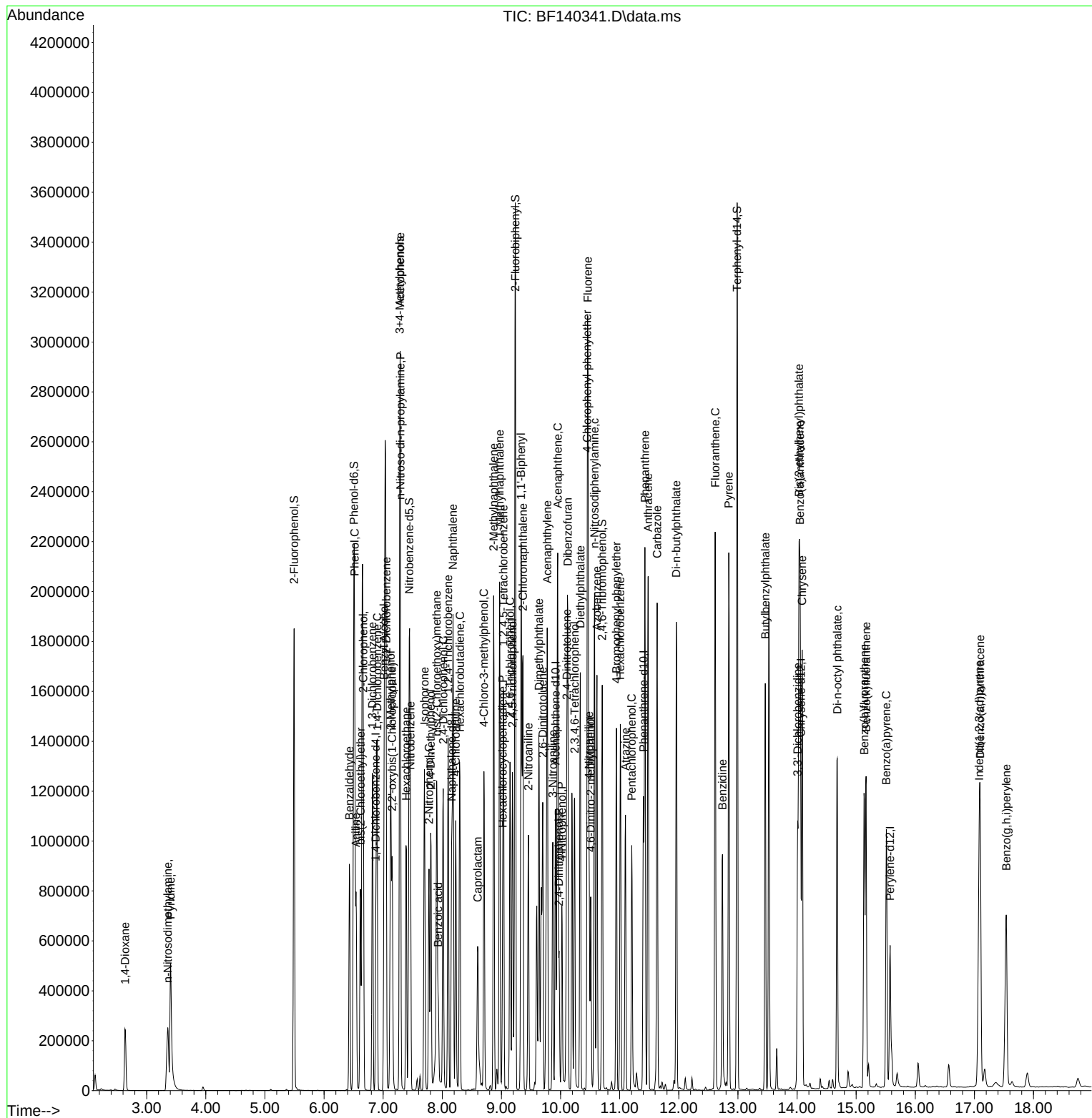
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	254749	38.542	ng	100
46) 1,1'-Biphenyl	9.334	154	946801	39.068	ng	99
47) 2-Chloronaphthalene	9.363	162	711544	38.543	ng	100
48) 2-Nitroaniline	9.457	65	243803	39.821	ng	99
49) Acenaphthylene	9.775	152	1088251	38.962	ng	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

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



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

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

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

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

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	Benzydine	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

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: JPC101

Lab Code: CHEM Case No.: P4768 SAS No.: P4768 SDG No.: P4768

Instrument ID: BNA_F Calibration Date/Time: 11/08/2024 09:35

Lab File ID: BF140286.D Init. Calib. Date(s): 11/05/2024 11/05/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:26 15:30

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.207	1.151		-4.6	
Benzaldehyde	0.956	0.854		-10.7	
Phenol-d6	1.552	1.455		-6.3	
Phenol	1.649	1.581		-4.1	20.0
bis(2-Chloroethyl)ether	1.252	1.205		-3.8	
2-Chlorophenol	1.263	1.225		-3.0	
2-Methylphenol	1.053	1.025		-2.7	
2,2-oxybis(1-Chloropropane)	2.027	1.804		-11.0	
Acetophenone	0.496	0.461		-7.1	
3+4-Methylphenols	1.323	1.267		-4.2	
n-Nitroso-di-n-propylamine	0.990	0.931	0.050	-6.0	
Nitrobenzene-d5	0.402	0.378		-6.0	
Hexachloroethane	0.556	0.530		-4.7	
Nitrobenzene	0.422	0.398		-5.7	
Isophorone	0.693	0.668		-3.6	
2-Nitrophenol	0.168	0.176		4.8	20.0
2,4-Dimethylphenol	0.228	0.230		0.9	
bis(2-Chloroethoxy)methane	0.415	0.405		-2.4	
2,4-Dichlorophenol	0.283	0.285		0.7	20.0
Naphthalene	1.033	0.978		-5.3	
4-Chloroaniline	0.340	0.343		0.9	
Hexachlorobutadiene	0.229	0.225		-1.7	20.0
Caprolactam	0.086	0.095		10.5	
4-Chloro-3-methylphenol	0.315	0.322		2.2	20.0
2-Methylnaphthalene	0.674	0.666		-1.2	
Hexachlorocyclopentadiene	0.164	0.175	0.050	6.7	
2,4,6-Trichlorophenol	0.363	0.362		-0.3	20.0
2-Fluorobiphenyl	1.253	1.125		-10.1	
2,4,5-Trichlorophenol	0.381	0.388		1.8	
1,1-Biphenyl	1.446	1.339		-7.4	
2-Chloronaphthalene	1.088	1.015		-6.7	
2-Nitroaniline	0.364	0.344		-5.5	
Dimethylphthalate	1.232	1.215		-1.4	
Acenaphthylene	1.540	1.478		-4.0	
2,6-Dinitrotoluene	0.290	0.297		2.4	
3-Nitroaniline	0.273	0.281		2.9	
Acenaphthene	1.093	1.061		-2.9	20.0
2,4-Dinitrophenol	0.120	0.153	0.050	27.5	
4-Nitrophenol	0.192	0.219	0.050	14.1	



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: JPC101

Lab Code: CHEM Case No.: P4768 SAS No.: P4768 SDG No.: P4768

Instrument ID: BNA_F Calibration Date/Time: 11/08/2024 09:35

Lab File ID: BF140286.D Init. Calib. Date(s): 11/05/2024 11/05/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:26 15:30

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.528	1.462		-4.3	
2,4-Dinitrotoluene	0.376	0.395		5.1	
Diethylphthalate	1.224	1.226		0.2	
4-Chlorophenyl-phenylether	0.613	0.600		-2.1	
Fluorene	1.216	1.159		-4.7	
4-Nitroaniline	0.271	0.289		6.6	
4,6-Dinitro-2-methylphenol	0.105	0.122		16.2	
n-Nitrosodiphenylamine	0.575	0.536		-6.8	20.0
2,4,6-Tribromophenol	0.198	0.223		12.6	
4-Bromophenyl-phenylether	0.215	0.216		0.5	
Hexachlorobenzene	0.245	0.245		0.0	
Atrazine	0.157	0.167		6.4	
Pentachlorophenol	0.132	0.154		16.7	20.0
Phenanthrene	0.954	0.897		-6.0	
Anthracene	0.936	0.882		-5.8	
Carbazole	0.855	0.825		-3.5	
Di-n-butylphthalate	1.012	1.018		0.6	
Fluoranthene	0.998	0.986		-1.2	20.0
Pyrene	1.651	1.589		-3.8	
Terphenyl-d14	1.221	1.161		-4.9	
Butylbenzylphthalate	0.595	0.628		5.5	
3,3-Dichlorobenzidine	0.403	0.404		0.2	
Benzo (a) anthracene	1.284	1.258		-2.0	
Chrysene	1.202	1.131		-5.9	
Bis(2-ethylhexyl)phthalate	0.833	0.852		2.3	
Di-n-octyl phthalate	1.254	1.261		0.6	20.0
Benzo (b) fluoranthene	1.210	1.184		-2.1	
Benzo (k) fluoranthene	1.110	1.151		3.7	
Benzo (a) pyrene	0.997	0.994		-0.3	20.0
Indeno (1,2,3-cd) pyrene	1.174	1.140		-2.9	
Dibenzo (a,h) anthracene	0.966	0.930		-3.7	
Benzo (g,h,i) perylene	0.985	0.945		-4.1	
1,2,4,5-Tetrachlorobenzene	0.586	0.547		-6.7	
1,4-Dioxane	0.555	0.510		-8.1	20.0
2,3,4,6-Tetrachlorophenol	0.313	0.333		6.4	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
 Data File : BF140286.D
 Acq On : 08 Nov 2024 09:35
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/10/2024

Supervised By :mohammad ahmed 11/11/2024

Quant Time: Nov 08 20:32:35 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Nov 05 16:47:56 2024

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	203786	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	760595	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	473134	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	883136	20.000	ng	0.00
76) Chrysene-d12	14.063	240	554697	20.000	ng	0.00
86) Perylene-d12	15.551	264	449723	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	938097	76.287	ng	0.00
7) Phenol-d6	6.510	99	1186306	75.003	ng	0.00
23) Nitrobenzene-d5	7.445	82	1150741	75.221	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	421256	90.076	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	2129477	71.869	ng	0.00
79) Terphenyl-d14	12.998	244	2575305	76.054	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.663	88	207856	36.766	ng	94
3) Pyridine	3.428	79	521841	37.829	ng	94
4) n-Nitrosodimethylamine	3.387	42	278952	35.025	ng	92
6) Aniline	6.545	93	553822	38.756	ng	97
8) 2-Chlorophenol	6.669	128	499157	38.795	ng	94
9) Benzaldehyde	6.434	77	347955	35.713	ng	95
10) Phenol	6.522	94	644318	38.356	ng	96
11) bis(2-Chloroethyl)ether	6.616	93	491189	38.491	ng	96
12) 1,3-Dichlorobenzene	6.822	146	577084	38.274	ng	98
13) 1,4-Dichlorobenzene	6.898	146	586732	38.584	ng	98
14) 1,2-Dichlorobenzene	7.051	146	543077	38.237	ng	97
15) Benzyl Alcohol	7.022	79	463586	38.021	ng	96
16) 2,2'-oxybis(1-Chloropr...	7.151	45	735250	35.595	ng	98
17) 2-Methylphenol	7.128	107	417798	38.926	ng	98
18) Hexachloroethane	7.392	117	216032	38.138	ng	99
19) n-Nitroso-di-n-propyla...	7.292	70	379640	37.624	ng	97
20) 3+4-Methylphenols	7.281	107	516461	38.313	ng	92
22) Acetophenone	7.292	105	701607	37.205	ng	# 92
24) Nitrobenzene	7.463	77	605556	37.724	ng	97
25) Isophorone	7.698	82	1016109	38.575	ng	99
26) 2-Nitrophenol	7.775	139	267998	41.971	ng	97
27) 2,4-Dimethylphenol	7.810	122	350540	40.353	ng	96
28) bis(2-Chloroethoxy)met...	7.910	93	615707	39.059	ng	100
29) 2,4-Dichlorophenol	8.016	162	434179	40.401	ng	100
30) 1,2,4-Trichlorobenzene	8.104	180	504626	39.186	ng	99
31) Naphthalene	8.186	128	1487299	37.868	ng	100
32) Benzoic acid	7.939	122	330883m	46.413	ng	
33) 4-Chloroaniline	8.228	127	522010	40.371	ng	99
34) Hexachlorobutadiene	8.298	225	342491	39.292	ng	99
35) Caprolactam	8.616	113	144066	44.068	ng	94
36) 4-Chloro-3-methylphenol	8.710	107	490147	40.964	ng	98
37) 2-Methylnaphthalene	8.875	142	1013676	39.546	ng	99
38) 1-Methylnaphthalene	8.975	142	988430	39.341	ng	100
40) 1,2,4,5-Tetrachloroben...	9.039	216	517432	37.357	ng	99
41) Hexachlorocyclopentadiene	9.028	237	165200	42.563	ng	99
43) 2,4,6-Trichlorophenol	9.151	196	342791	39.937	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
 Data File : BF140286.D
 Acq On : 08 Nov 2024 09:35
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/10/2024

Supervised By :mohammad ahmed 11/11/2024

Quant Time: Nov 08 20:32:35 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Nov 05 16:47:56 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	367140	40.681	ng	97
46) 1,1'-Biphenyl	9.339	154	1266676	37.038	ng	100
47) 2-Chloronaphthalene	9.363	162	960554	37.318	ng	100
48) 2-Nitroaniline	9.463	65	325729	37.840	ng	91
49) Acenaphthylene	9.780	152	1398581	38.379	ng	99
50) Dimethylphthalate	9.645	163	1149813	39.460	ng	100
51) 2,6-Dinitrotoluene	9.704	165	280779	40.994	ng	97
52) Acenaphthene	9.957	154	1004326	38.856	ng	98
53) 3-Nitroaniline	9.875	138	265806	41.214	ng	97
54) 2,4-Dinitrophenol	9.980	184	144722	45.886	ng	88
55) Dibenzofuran	10.127	168	1383066	38.265	ng	98
56) 4-Nitrophenol	10.033	139	206826	45.610	ng	91
57) 2,4-Dinitrotoluene	10.110	165	373934	42.071	ng	94
58) Fluorene	10.469	166	1097033	38.130	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.245	232	315545	42.681	ng	95
60) Diethylphthalate	10.345	149	1159805	40.054	ng	99
61) 4-Chlorophenyl-phenyle...	10.463	204	567981	39.170	ng	96
62) 4-Nitroaniline	10.498	138	273777	42.717	ng	93
63) Azobenzene	10.622	77	1130142	37.651	ng	98
65) 4,6-Dinitro-2-methylph...	10.522	198	215186	46.394	ng	94
66) n-Nitrosodiphenylamine	10.580	169	947488	37.302	ng	100
67) 4-Bromophenyl-phenylether	10.951	248	380930	40.056	ng	98
68) Hexachlorobenzene	11.022	284	432918	39.937	ng	95
69) Atrazine	11.110	200	295714	42.553	ng	98
70) Pentachlorophenol	11.216	266	272122	46.750	ng	98
71) Phenanthrene	11.439	178	1584046	37.585	ng	100
72) Anthracene	11.486	178	1557749	37.693	ng	100
73) Carbazole	11.639	167	1457805	38.605	ng	100
74) Di-n-butylphthalate	11.969	149	1798358	40.233	ng	100
75) Fluoranthene	12.627	202	1741669	39.521	ng	100
77) Benzidine	12.745	184	647454	59.699	ng	99
78) Pyrene	12.857	202	1762533	38.483	ng	100
80) Butylbenzylphthalate	13.474	149	696868	42.255	ng	94
81) Benzo(a)anthracene	14.051	228	1395652	39.206	ng	99
82) 3,3'-Dichlorobenzidine	14.010	252	448543	40.124	ng	98
83) Chrysene	14.086	228	1254355	37.628	ng	100
84) Bis(2-ethylhexyl)phtha...	14.033	149	945616	40.911	ng	99
85) Di-n-octyl phthalate	14.657	149	1398566	40.200	ng	97
87) Indeno(1,2,3-cd)pyrene	17.068	276	1025437	38.844	ng	99
88) Benzo(b)fluoranthene	15.115	252	1065085	39.154	ng	99
89) Benzo(k)fluoranthene	15.145	252	1035691	41.491	ng	100
90) Benzo(a)pyrene	15.492	252	893622	39.843	ng	99
91) Dibenzo(a,h)anthracene	17.086	278	836436	38.512	ng	99
92) Benzo(g,h,i)perylene	17.527	276	849919	38.361	ng	99

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

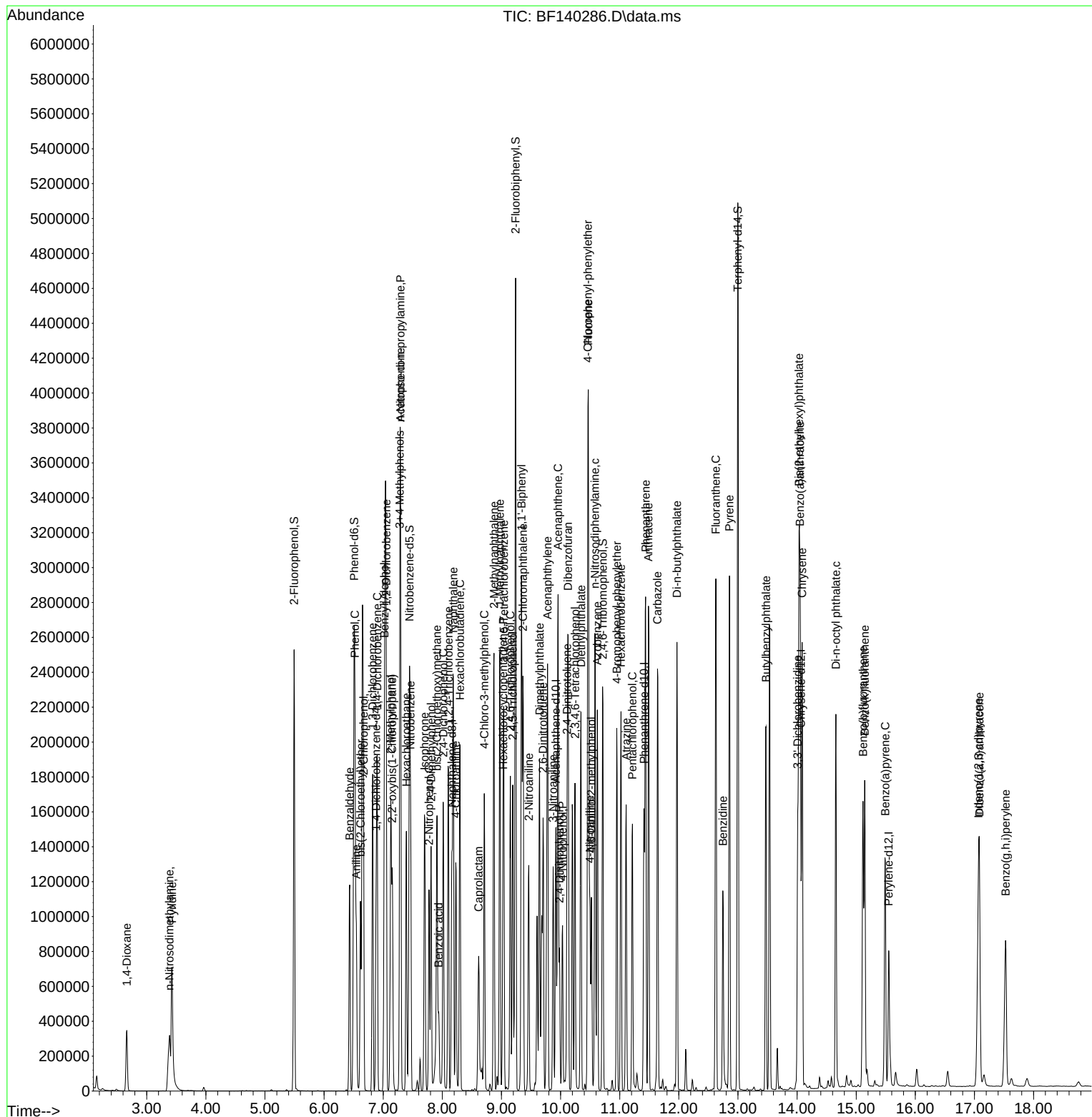
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140286.D
Acq On : 08 Nov 2024 09:35
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations

Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024

Quant Time: Nov 08 20:32:35 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 16:47:56 2024
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 05 16:47:56 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	101	0.00
2	1,4-Dioxane	0.555	0.510	8.1	94	0.00
3	Pyridine	1.354	1.280	5.5	97	0.00
4	n-Nitrosodimethylamine	0.782	0.684	12.5	89	0.00
5 S	2-Fluorophenol	1.207	1.151	4.6	101	0.00
6	Aniline	1.402	1.359	3.1	101	0.00
7 S	Phenol-d6	1.552	1.455	6.2	99	0.00
8	2-Chlorophenol	1.263	1.225	3.0	102	0.00
9	Benzaldehyde	0.956	0.854	10.7	91	0.00
10 C	Phenol	1.649	1.581	4.1	100	0.00
11	bis(2-Chloroethyl)ether	1.252	1.205	3.8	101	0.00
12	1,3-Dichlorobenzene	1.480	1.416	4.3	101	0.00
13 C	1,4-Dichlorobenzene	1.492	1.440	3.5	102	0.00
14	1,2-Dichlorobenzene	1.394	1.332	4.4	103	0.00
15	Benzyl Alcohol	1.197	1.137	5.0	97	0.00
16	2,2'-oxybis(1-Chloropropane	2.027	1.804	11.0	93	0.00
17	2-Methylphenol	1.053	1.025	2.7	101	0.00
18	Hexachloroethane	0.556	0.530	4.7	101	0.00
19 P	n-Nitroso-di-n-propylamine	0.990	0.931	6.0	99	0.00
20	3+4-Methylphenols	1.323	1.267	4.2	100	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	103	0.00
22	Acetophenone	0.496	0.461	7.1	100	0.00
23 S	Nitrobenzene-d5	0.402	0.378	6.0	99	0.00
24	Nitrobenzene	0.422	0.398	5.7	99	0.00
25	Isophorone	0.693	0.668	3.6	102	0.00
26 C	2-Nitrophenol	0.168	0.176	-4.8	106	0.00
27	2,4-Dimethylphenol	0.228	0.230	-0.9	106	0.00
28	bis(2-Chloroethoxy)methane	0.415	0.405	2.4	104	0.00
29 C	2,4-Dichlorophenol	0.283	0.285	-0.7	106	0.00
30	1,2,4-Trichlorobenzene	0.339	0.332	2.1	104	0.00
31	Naphthalene	1.033	0.978	5.3	101	0.00
32	Benzoic acid	0.187	0.218	-16.6	116	0.01
33	4-Chloroaniline	0.340	0.343	-0.9	107	0.00
34 C	Hexachlorobutadiene	0.229	0.225	1.7	104	0.00
35	Caprolactam	0.086	0.095	-10.5	115	0.00
36 C	4-Chloro-3-methylphenol	0.315	0.322	-2.2	106	0.00
37	2-Methylnaphthalene	0.674	0.666	1.2	106	0.00
38	1-Methylnaphthalene	0.661	0.650	1.7	106	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	111	0.00
40	1,2,4,5-Tetrachlorobenzene	0.586	0.547	6.7	108	0.00
41 P	Hexachlorocyclopentadiene	0.164	0.175	-6.7	106	0.00
42 S	2,4,6-Tribromophenol	0.198	0.223	-12.6	128	0.00
43 C	2,4,6-Trichlorophenol	0.363	0.362	0.3	112	0.00
44	2,4,5-Trichlorophenol	0.381	0.388	-1.8	116	0.00
45 S	2-Fluorobiphenyl	1.253	1.125	10.2	106	0.00
46	1,1'-Biphenyl	1.446	1.339	7.4	108	0.00
47	2-Chloronaphthalene	1.088	1.015	6.7	108	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
 Data File : BF140286.D
 Acq On : 08 Nov 2024 09:35
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Nov 08 20:32:35 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 05 16:47:56 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	0.364	0.344	5.5	104	0.00
49	Acenaphthylene	1.540	1.478	4.0	111	0.00
50	Dimethylphthalate	1.232	1.215	1.4	114	0.00
51	2,6-Dinitrotoluene	0.290	0.297	-2.4	116	0.00
52 C	Acenaphthene	1.093	1.061	2.9	112	0.00
53	3-Nitroaniline	0.273	0.281	-2.9	117	0.00
54 P	2,4-Dinitrophenol	0.120	0.153	-27.5#	133	0.00
55	Dibenzofuran	1.528	1.462	4.3	111	0.00
56 P	4-Nitrophenol	0.192	0.219	-14.1	120	0.00
57	2,4-Dinitrotoluene	0.376	0.395	-5.1	118	0.00
58	Fluorene	1.216	1.159	4.7	112	0.00
59	2,3,4,6-Tetrachlorophenol	0.313	0.333	-6.4	122	0.00
60	Diethylphthalate	1.224	1.226	-0.2	115	0.00
61	4-Chlorophenyl-phenylether	0.613	0.600	2.1	115	0.00
62	4-Nitroaniline	0.271	0.289	-6.6	119	0.00
63	Azobenzene	1.269	1.194	5.9	109	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	119	0.00
65	4,6-Dinitro-2-methylphenol	0.105	0.122	-16.2	132	0.00
66 c	n-Nitrosodiphenylamine	0.575	0.536	6.8	116	0.00
67	4-Bromophenyl-phenylether	0.215	0.216	-0.5	123	0.00
68	Hexachlorobenzene	0.245	0.245	0.0	123	0.00
69	Atrazine	0.157	0.167	-6.4	128	0.00
70 C	Pentachlorophenol	0.132	0.154	-16.7	133	0.00
71	Phenanthrene	0.954	0.897	6.0	117	0.00
72	Anthracene	0.936	0.882	5.8	117	0.00
73	Carbazole	0.855	0.825	3.5	120	0.00
74	Di-n-butylphthalate	1.012	1.018	-0.6	124	0.00
75 C	Fluoranthene	0.998	0.986	1.2	124	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	124	0.00
77	Benzydine	0.391	0.584	-49.4#	147	0.00
78	Pyrene	1.651	1.589	3.8	124	0.00
79 S	Terphenyl-d14	1.221	1.161	4.9	124	0.00
80	Butylbenzylphthalate	0.595	0.628	-5.5	130	0.00
81	Benzo(a)anthracene	1.284	1.258	2.0	126	0.00
82	3,3'-Dichlorobenzidine	0.403	0.404	-0.2	120	0.00
83	Chrysene	1.202	1.131	5.9	121	0.00
84	Bis(2-ethylhexyl)phthalate	0.833	0.852	-2.3	129	0.00
85 c	Di-n-octyl phthalate	1.254	1.261	-0.6	123	-0.02
86 I	Perylene-d12	1.000	1.000	0.0	106	-0.01
87	Indeno(1,2,3-cd)pyrene	1.174	1.140	2.9	101	-0.01
88	Benzo(b)fluoranthene	1.210	1.184	2.1	101	-0.01
89	Benzo(k)fluoranthene	1.110	1.151	-3.7	119	-0.01
90 C	Benzo(a)pyrene	0.997	0.994	0.3	106	-0.01
91	Dibenzo(a,h)anthracene	0.966	0.930	3.7	101	-0.01
92	Benzo(g,h,i)perylene	0.985	0.945	4.1	101	-0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140286.D
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Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
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SSTDCCC040

Quant Time: Nov 08 20:32:35 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 16:47:56 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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
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Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	101	0.00
2	1,4-Dioxane	40.000	36.766	8.1	94	0.00
3	Pyridine	40.000	37.829	5.4	97	0.00
4	n-Nitrosodimethylamine	40.000	35.025	12.4	89	0.00
5 S	2-Fluorophenol	80.000	76.287	4.6	101	0.00
6	Aniline	40.000	38.756	3.1	101	0.00
7 S	Phenol-d6	80.000	75.003	6.2	99	0.00
8	2-Chlorophenol	40.000	38.795	3.0	102	0.00
9	Benzaldehyde	40.000	35.713	10.7	91	0.00
10 C	Phenol	40.000	38.356	4.1	100	0.00
11	bis(2-Chloroethyl)ether	40.000	38.491	3.8	101	0.00
12	1,3-Dichlorobenzene	40.000	38.274	4.3	101	0.00
13 C	1,4-Dichlorobenzene	40.000	38.584	3.5	102	0.00
14	1,2-Dichlorobenzene	40.000	38.237	4.4	103	0.00
15	Benzyl Alcohol	40.000	38.021	4.9	97	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	35.595	11.0	93	0.00
17	2-Methylphenol	40.000	38.926	2.7	101	0.00
18	Hexachloroethane	40.000	38.138	4.7	101	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	37.624	5.9	99	0.00
20	3+4-Methylphenols	40.000	38.313	4.2	100	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	103	0.00
22	Acetophenone	40.000	37.205	7.0	100	0.00
23 S	Nitrobenzene-d5	80.000	75.221	6.0	99	0.00
24	Nitrobenzene	40.000	37.724	5.7	99	0.00
25	Isophorone	40.000	38.575	3.6	102	0.00
26 C	2-Nitrophenol	40.000	41.971	-4.9	106	0.00
27	2,4-Dimethylphenol	40.000	40.353	-0.9	106	0.00
28	bis(2-Chloroethoxy)methane	40.000	39.059	2.4	104	0.00
29 C	2,4-Dichlorophenol	40.000	40.401	-1.0	106	0.00
30	1,2,4-Trichlorobenzene	40.000	39.186	2.0	104	0.00
31	Naphthalene	40.000	37.868	5.3	101	0.00
32	Benzoic acid	40.000	46.413	-16.0	116	0.01
33	4-Chloroaniline	40.000	40.371	-0.9	107	0.00
34 C	Hexachlorobutadiene	40.000	39.292	1.8	104	0.00
35	Caprolactam	40.000	44.068	-10.2	115	0.00
36 C	4-Chloro-3-methylphenol	40.000	40.964	-2.4	106	0.00
37	2-Methylnaphthalene	40.000	39.546	1.1	106	0.00
38	1-Methylnaphthalene	40.000	39.341	1.6	106	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	111	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	37.357	6.6	108	0.00
41 P	Hexachlorocyclopentadiene	40.000	42.563	-6.4	106	0.00
42 S	2,4,6-Tribromophenol	80.000	90.076	-12.6	128	0.00
43 C	2,4,6-Trichlorophenol	40.000	39.937	0.2	112	0.00
44	2,4,5-Trichlorophenol	40.000	40.681	-1.7	116	0.00
45 S	2-Fluorobiphenyl	80.000	71.869	10.2	106	0.00
46	1,1'-Biphenyl	40.000	37.038	7.4	108	0.00
47	2-Chloronaphthalene	40.000	37.318	6.7	108	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
 Data File : BF140286.D
 Acq On : 08 Nov 2024 09:35
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Nov 08 20:32:35 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 05 16:47:56 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	37.840	5.4	104	0.00
49	Acenaphthylene	40.000	38.379	4.1	111	0.00
50	Dimethylphthalate	40.000	39.460	1.3	114	0.00
51	2,6-Dinitrotoluene	40.000	40.994	-2.5	116	0.00
52 C	Acenaphthene	40.000	38.856	2.9	112	0.00
53	3-Nitroaniline	40.000	41.214	-3.0	117	0.00
54 P	2,4-Dinitrophenol	40.000	45.886	-14.7	133	0.00
55	Dibenzofuran	40.000	38.265	4.3	111	0.00
56 P	4-Nitrophenol	40.000	45.610	-14.0	120	0.00
57	2,4-Dinitrotoluene	40.000	42.071	-5.2	118	0.00
58	Fluorene	40.000	38.130	4.7	112	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	42.681	-6.7	122	0.00
60	Diethylphthalate	40.000	40.054	-0.1	115	0.00
61	4-Chlorophenyl-phenylether	40.000	39.170	2.1	115	0.00
62	4-Nitroaniline	40.000	42.717	-6.8	119	0.00
63	Azobenzene	40.000	37.651	5.9	109	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	119	0.00
65	4,6-Dinitro-2-methylphenol	40.000	46.394	-16.0	132	0.00
66 c	n-Nitrosodiphenylamine	40.000	37.302	6.7	116	0.00
67	4-Bromophenyl-phenylether	40.000	40.056	-0.1	123	0.00
68	Hexachlorobenzene	40.000	39.937	0.2	123	0.00
69	Atrazine	40.000	42.553	-6.4	128	0.00
70 C	Pentachlorophenol	40.000	46.750	-16.9	133	0.00
71	Phenanthrene	40.000	37.585	6.0	117	0.00
72	Anthracene	40.000	37.693	5.8	117	0.00
73	Carbazole	40.000	38.605	3.5	120	0.00
74	Di-n-butylphthalate	40.000	40.233	-0.6	124	0.00
75 C	Fluoranthene	40.000	39.521	1.2	124	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	124	0.00
77	Benzydine	40.000	59.699	-49.2#	147	0.00
78	Pyrene	40.000	38.483	3.8	124	0.00
79 S	Terphenyl-d14	80.000	76.054	4.9	124	0.00
80	Butylbenzylphthalate	40.000	42.255	-5.6	130	0.00
81	Benzo(a)anthracene	40.000	39.206	2.0	126	0.00
82	3,3'-Dichlorobenzidine	40.000	40.124	-0.3	120	0.00
83	Chrysene	40.000	37.628	5.9	121	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	40.911	-2.3	129	0.00
85 c	Di-n-octyl phthalate	40.000	40.200	-0.5	123	-0.02
86 I	Perylene-d12	20.000	20.000	0.0	106	-0.01
87	Indeno(1,2,3-cd)pyrene	40.000	38.844	2.9	101	-0.01
88	Benzo(b)fluoranthene	40.000	39.154	2.1	101	-0.01
89	Benzo(k)fluoranthene	40.000	41.491	-3.7	119	-0.01
90 C	Benzo(a)pyrene	40.000	39.843	0.4	106	-0.01
91	Dibenzo(a,h)anthracene	40.000	38.512	3.7	101	-0.01
92	Benzo(g,h,i)perylene	40.000	38.361	4.1	101	-0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140286.D
Acq On : 08 Nov 2024 09:35
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Nov 08 20:32:35 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 16:47:56 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: JPC101

Lab Code: CHEM Case No.: P4768 SAS No.: P4768 SDG No.: P4768

Instrument ID: BNA_F Calibration Date/Time: 11/14/2024 17:02

Lab File ID: BF140366.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	1.188		1.5	
Benzaldehyde	0.951	0.861		-9.5	
Phenol-d6	1.587	1.578		-0.6	
Phenol	1.674	1.678		0.2	20.0
bis(2-Chloroethyl)ether	1.268	1.243		-2.0	
2-Chlorophenol	1.258	1.256		-0.2	
2-Methylphenol	1.035	1.033		-0.2	
2,2-oxybis(1-Chloropropane)	1.752	1.678		-4.2	
Acetophenone	0.465	0.463		-0.4	
3+4-Methylphenols	1.295	1.288		-0.5	
n-Nitroso-di-n-propylamine	0.959	0.909	0.050	-5.2	
Nitrobenzene-d5	0.384	0.381		-0.8	
Hexachloroethane	0.520	0.504		-3.1	
Nitrobenzene	0.400	0.401		0.3	
Isophorone	0.680	0.661		-2.8	
2-Nitrophenol	0.177	0.178		0.6	20.0
2,4-Dimethylphenol	0.227	0.227		0.0	
bis(2-Chloroethoxy)methane	0.417	0.404		-3.1	
2,4-Dichlorophenol	0.281	0.281		0.0	20.0
Naphthalene	1.015	1.009		-0.6	
4-Chloroaniline	0.353	0.327		-7.4	
Hexachlorobutadiene	0.199	0.195		-2.0	20.0
Caprolactam	0.093	0.094		1.1	
4-Chloro-3-methylphenol	0.311	0.311		0.0	20.0
2-Methylnaphthalene	0.651	0.642		-1.4	
Hexachlorocyclopentadiene	0.142	0.133	0.050	-6.3	
2,4,6-Trichlorophenol	0.363	0.368		1.4	20.0
2-Fluorobiphenyl	1.244	1.231		-1.0	
2,4,5-Trichlorophenol	0.397	0.409		3.0	
1,1-Biphenyl	1.455	1.467		0.8	
2-Chloronaphthalene	1.108	1.111		0.3	
2-Nitroaniline	0.368	0.374		1.6	
Dimethylphthalate	1.304	1.272		-2.5	
Acenaphthylene	1.677	1.672		-0.3	
2,6-Dinitrotoluene	0.297	0.303		2.0	
3-Nitroaniline	0.312	0.313		0.3	
Acenaphthene	1.133	1.135		0.2	20.0
2,4-Dinitrophenol	0.153	0.154	0.050	0.7	
4-Nitrophenol	0.228	0.236	0.050	3.5	



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: JPC101

Lab Code: CHEM Case No.: P4768 SAS No.: P4768 SDG No.: P4768

Instrument ID: BNA_F Calibration Date/Time: 11/14/2024 17:02

Lab File ID: BF140366.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
Dibenzofuran	1.603	1.616		0.8	
2,4-Dinitrotoluene	0.391	0.397		1.5	
Diethylphthalate	1.333	1.281		-3.9	
4-Chlorophenyl-phenylether	0.625	0.604		-3.4	
Fluorene	1.267	1.256		-0.9	
4-Nitroaniline	0.319	0.328		2.8	
4,6-Dinitro-2-methylphenol	0.108	0.114		5.6	
n-Nitrosodiphenylamine	0.578	0.569		-1.6	20.0
2,4,6-Tribromophenol	0.199	0.200		0.5	
4-Bromophenyl-phenylether	0.200	0.193		-3.5	
Hexachlorobenzene	0.225	0.223		-0.9	
Atrazine	0.175	0.164		-6.3	
Pentachlorophenol	0.121	0.124		2.5	20.0
Phenanthrene	0.940	0.926		-1.5	
Anthracene	0.921	0.905		-1.7	
Carbazole	0.909	0.912		0.3	
Di-n-butylphthalate	1.091	1.021		-6.4	
Fluoranthene	1.054	1.029		-2.4	20.0
Pyrene	1.711	1.783		4.2	
Terphenyl-d14	1.152	1.148		-0.3	
Butylbenzylphthalate	0.657	0.642		-2.3	
3,3-Dichlorobenzidine	0.418	0.409		-2.2	
Benzo (a) anthracene	1.314	1.308		-0.5	
Chrysene	1.199	1.156		-3.6	
Bis(2-ethylhexyl)phthalate	0.877	0.791		-9.8	
Di-n-octyl phthalate	1.235	1.083		-12.3	20.0
Benzo (b) fluoranthene	1.308	1.240		-5.2	
Benzo (k) fluoranthene	1.069	1.043		-2.4	
Benzo (a) pyrene	1.016	1.000		-1.6	20.0
Indeno (1,2,3-cd) pyrene	1.235	1.295		4.9	
Dibenzo (a,h) anthracene	1.021	1.058		3.6	
Benzo (g,h,i) perylene	1.044	1.108		6.1	
1,2,4,5-Tetrachlorobenzene	0.553	0.555		0.4	
1,4-Dioxane	0.522	0.547		4.8	20.0
2,3,4,6-Tetrachlorophenol	0.313	0.320		2.2	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111424\
 Data File : BF140366.D
 Acq On : 14 Nov 2024 17:02
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Quant Time: Nov 15 00:26:39 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	130579	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	484942	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	265027	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	494420	20.000	ng	0.00
76) Chrysene-d12	14.062	240	287889	20.000	ng	0.01
86) Perylene-d12	15.592	264	258896	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	620529	81.137	ng	0.00
7) Phenol-d6	6.504	99	824375	79.560	ng	0.00
23) Nitrobenzene-d5	7.439	82	740018	79.508	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	211524	80.260	ng	0.00
45) 2-Fluorobiphenyl	9.227	172	1304500	79.126	ng	0.00
79) Terphenyl-d14	12.986	244	1322468	79.737	ng	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	2.634	88	142931	41.932	ng	99
3) Pyridine	3.398	79	341136	40.709	ng	99
4) n-Nitrosodimethylamine	3.351	42	170660	40.295	ng	98
6) Aniline	6.539	93	366954	40.711	ng	97
8) 2-Chlorophenol	6.663	128	328140	39.943	ng	97
9) Benzaldehyde	6.428	77	224764	36.193	ng	99
10) Phenol	6.516	94	438278	40.109	ng	99
11) bis(2-Chloroethyl)ether	6.610	93	324570	39.201	ng	99
12) 1,3-Dichlorobenzene	6.816	146	361421	39.873	ng	99
13) 1,4-Dichlorobenzene	6.892	146	362191	39.407	ng	99
14) 1,2-Dichlorobenzene	7.045	146	341302	40.001	ng	99
15) Benzyl Alcohol	7.016	79	300203	40.213	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.145	45	438212	38.318	ng	98
17) 2-Methylphenol	7.122	107	269885	39.935	ng	99
18) Hexachloroethane	7.386	117	131631	38.740	ng	99
19) n-Nitroso-di-n-propyla...	7.286	70	237407	37.936	ng	99
20) 3+4-Methylphenols	7.275	107	336358	39.798	ng	99
22) Acetophenone	7.281	105	448649	39.778	ng	99
24) Nitrobenzene	7.457	77	388560	40.097	ng	100
25) Isophorone	7.692	82	641082	38.864	ng	100
26) 2-Nitrophenol	7.769	139	172692	40.158	ng	97
27) 2,4-Dimethylphenol	7.804	122	220557	40.061	ng	98
28) bis(2-Chloroethoxy)met...	7.904	93	391929	38.749	ng	99
29) 2,4-Dichlorophenol	8.010	162	272161	40.000	ng	99
30) 1,2,4-Trichlorobenzene	8.098	180	302881	39.983	ng	99
31) Naphthalene	8.175	128	978565	39.779	ng	100
32) Benzoic acid	7.916	122	192803	39.799	ng	96
33) 4-Chloroaniline	8.228	127	317418	37.102	ng	100
34) Hexachlorobutadiene	8.292	225	189276	39.216	ng	99
35) Caprolactam	8.592	113	90934	40.211	ng	98
36) 4-Chloro-3-methylphenol	8.704	107	301671	40.008	ng	99
37) 2-Methylnaphthalene	8.869	142	623118	39.503	ng	99
38) 1-Methylnaphthalene	8.969	142	604506	39.135	ng	100
40) 1,2,4,5-Tetrachloroben...	9.033	216	294261	40.151	ng	99
41) Hexachlorocyclopentadiene	9.016	237	70659	37.550	ng	99
43) 2,4,6-Trichlorophenol	9.145	196	194970	40.537	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111424\
 Data File : BF140366.D
 Acq On : 14 Nov 2024 17:02
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Quant Time: Nov 15 00:26:39 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	216613	41.193	ng	97
46) 1,1'-Biphenyl	9.333	154	777694	40.335	ng	99
47) 2-Chloronaphthalene	9.357	162	588883	40.095	ng	99
48) 2-Nitroaniline	9.451	65	198227	40.696	ng	97
49) Acenaphthylene	9.774	152	886051	39.873	ng	100
50) Dimethylphthalate	9.633	163	674463	39.043	ng	99
51) 2,6-Dinitrotoluene	9.692	165	160354	40.717	ng	100
52) Acenaphthene	9.945	154	601473	40.074	ng	99
53) 3-Nitroaniline	9.863	138	165761	40.079	ng	98
54) 2,4-Dinitrophenol	9.969	184	81371	40.067	ng	96
55) Dibenzofuran	10.116	168	856528	40.313	ng	99
56) 4-Nitrophenol	10.022	139	125006	41.437	ng	98
57) 2,4-Dinitrotoluene	10.098	165	210411	40.596	ng	99
58) Fluorene	10.457	166	665609	39.655	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.233	232	169520	40.828	ng	99
60) Diethylphthalate	10.327	149	679063	38.443	ng	99
61) 4-Chlorophenyl-phenyle...	10.451	204	320353	38.659	ng	98
62) 4-Nitroaniline	10.474	138	173894	41.121	ng	99
63) Azobenzene	10.610	77	673115	38.567	ng	99
65) 4,6-Dinitro-2-methylph...	10.510	198	112316	42.223	ng	94
66) n-Nitrosodiphenylamine	10.569	169	562191	39.354	ng	99
67) 4-Bromophenyl-phenylether	10.939	248	191092	38.665	ng	99
68) Hexachlorobenzene	11.010	284	220472	39.648	ng	97
69) Atrazine	11.092	200	161785	37.433	ng	99
70) Pentachlorophenol	11.204	266	122784	40.991	ng	99
71) Phenanthrene	11.421	178	915871	39.434	ng	99
72) Anthracene	11.474	178	895201	39.328	ng	100
73) Carbazole	11.627	167	901743	40.121	ng	100
74) Di-n-butylphthalate	11.957	149	1010052	37.443	ng	100
75) Fluoranthene	12.610	202	1017901	39.064	ng	100
77) Benzidine	12.733	184	391088	35.395	ng	100
78) Pyrene	12.845	202	1026765	41.696	ng	100
80) Butylbenzylphthalate	13.463	149	369549	39.065	ng	96
81) Benzo(a)anthracene	14.051	228	753390	39.818	ng	99
82) 3,3'-Dichlorobenzidine	14.015	252	235242	39.116	ng	99
83) Chrysene	14.092	228	665505	38.550	ng	99
84) Bis(2-ethylhexyl)phtha...	14.039	149	455726	36.092	ng	99
85) Di-n-octyl phthalate	14.692	149	623845	35.080	ng	100
87) Indeno(1,2,3-cd)pyrene	17.098	276	670383	41.918	ng	100
88) Benzo(b)fluoranthene	15.151	252	642101	37.914	ng	100
89) Benzo(k)fluoranthene	15.180	252	540295	39.052	ng	99
90) Benzo(a)pyrene	15.527	252	517840	39.374	ng	100
91) Dibenzo(a,h)anthracene	17.115	278	547666	41.429	ng	99
92) Benzo(g,h,i)perylene	17.550	276	573582	42.441	ng	99

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

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

[illegible]

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111424\
 Data File : BF140366.D
 Acq On : 14 Nov 2024 17:02
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Nov 15 00:26:39 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	89	0.00
2	1,4-Dioxane	0.522	0.547	-4.8	94	0.00
3	Pyridine	1.283	1.306	-1.8	88	0.00
4	n-Nitrosodimethylamine	0.649	0.653	-0.6	88	0.00
5 S	2-Fluorophenol	1.171	1.188	-1.5	92	0.00
6	Aniline	1.381	1.405	-1.7	86	0.00
7 S	Phenol-d6	1.587	1.578	0.6	87	0.00
8	2-Chlorophenol	1.258	1.256	0.2	88	0.00
9	Benzaldehyde	0.951	0.861	9.5	86	0.00
10 C	Phenol	1.674	1.678	-0.2	86	0.00
11	bis(2-Chloroethyl)ether	1.268	1.243	2.0	87	0.00
12	1,3-Dichlorobenzene	1.388	1.384	0.3	89	0.00
13 C	1,4-Dichlorobenzene	1.408	1.387	1.5	88	0.00
14	1,2-Dichlorobenzene	1.307	1.307	0.0	90	0.00
15	Benzyl Alcohol	1.143	1.150	-0.6	84	0.00
16	2,2'-oxybis(1-Chloropropane	1.752	1.678	4.2	82	0.00
17	2-Methylphenol	1.035	1.033	0.2	86	0.00
18	Hexachloroethane	0.520	0.504	3.1	87	0.00
19 P	n-Nitroso-di-n-propylamine	0.959	0.909	5.2	82	0.00
20	3+4-Methylphenols	1.294	1.288	0.5	85	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	82	0.00
22	Acetophenone	0.465	0.463	0.4	85	0.00
23 S	Nitrobenzene-d5	0.384	0.381	0.8	84	0.00
24	Nitrobenzene	0.400	0.401	-0.3	84	0.00
25	Isophorone	0.680	0.661	2.8	81	0.00
26 C	2-Nitrophenol	0.177	0.178	-0.6	82	0.00
27	2,4-Dimethylphenol	0.227	0.227	0.0	84	0.00
28	bis(2-Chloroethoxy)methane	0.417	0.404	3.1	82	0.00
29 C	2,4-Dichlorophenol	0.281	0.281	0.0	84	0.00
30	1,2,4-Trichlorobenzene	0.312	0.312	0.0	85	0.00
31	Naphthalene	1.015	1.009	0.6	85	0.00
32	Benzoic acid	0.200	0.199	0.5	77	-0.01
33	4-Chloroaniline	0.353	0.327	7.4	79	0.00
34 C	Hexachlorobutadiene	0.199	0.195	2.0	83	0.00
35	Caprolactam	0.093	0.094	-1.1	84	0.00
36 C	4-Chloro-3-methylphenol	0.311	0.311	0.0	83	0.00
37	2-Methylnaphthalene	0.651	0.642	1.4	84	0.00
38	1-Methylnaphthalene	0.637	0.623	2.2	82	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	79	0.00
40	1,2,4,5-Tetrachlorobenzene	0.553	0.555	-0.4	83	0.00
41 P	Hexachlorocyclopentadiene	0.142	0.133	6.3	76	0.00
42 S	2,4,6-Tribromophenol	0.199	0.200	-0.5	82	0.00
43 C	2,4,6-Trichlorophenol	0.363	0.368	-1.4	81	0.00
44	2,4,5-Trichlorophenol	0.397	0.409	-3.0	83	0.00
45 S	2-Fluorobiphenyl	1.244	1.231	1.0	83	0.00
46	1,1'-Biphenyl	1.455	1.467	-0.8	83	0.00
47	2-Chloronaphthalene	1.108	1.111	-0.3	83	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111424\
 Data File : BF140366.D
 Acq On : 14 Nov 2024 17:02
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Nov 15 00:26:39 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	0.374	-1.6	81	0.00
49	Acenaphthylene	1.677	1.672	0.3	81	0.00
50	Dimethylphthalate	1.304	1.272	2.5	80	0.00
51	2,6-Dinitrotoluene	0.297	0.303	-2.0	81	0.00
52 C	Acenaphthene	1.133	1.135	-0.2	82	0.00
53	3-Nitroaniline	0.312	0.313	-0.3	80	0.00
54 P	2,4-Dinitrophenol	0.153	0.154	-0.7	83	0.00
55	Dibenzofuran	1.603	1.616	-0.8	82	0.00
56 P	4-Nitrophenol	0.228	0.236	-3.5	79	0.00
57	2,4-Dinitrotoluene	0.391	0.397	-1.5	81	0.00
58	Fluorene	1.267	1.256	0.9	83	0.00
59	2,3,4,6-Tetrachlorophenol	0.313	0.320	-2.2	80	0.00
60	Diethylphthalate	1.333	1.281	3.9	79	0.00
61	4-Chlorophenyl-phenylether	0.625	0.604	3.4	79	0.00
62	4-Nitroaniline	0.319	0.328	-2.8	81	0.00
63	Azobenzene	1.317	1.270	3.6	78	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	79	0.00
65	4,6-Dinitro-2-methylphenol	0.108	0.114	-5.6	82	0.00
66 c	n-Nitrosodiphenylamine	0.578	0.569	1.6	80	0.00
67	4-Bromophenyl-phenylether	0.200	0.193	3.5	78	0.00
68	Hexachlorobenzene	0.225	0.223	0.9	81	0.00
69	Atrazine	0.175	0.164	6.3	89	0.00
70 C	Pentachlorophenol	0.121	0.124	-2.5	77	0.00
71	Phenanthrene	0.940	0.926	1.5	81	0.00
72	Anthracene	0.921	0.905	1.7	80	0.00
73	Carbazole	0.909	0.912	-0.3	82	0.00
74	Di-n-butylphthalate	1.091	1.021	6.4	75	0.00
75 C	Fluoranthene	1.054	1.029	2.4	80	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	75	0.01
77	Benzidine	0.768	0.679	11.6	78	0.00
78	Pyrene	1.711	1.783	-4.2	79	0.00
79 S	Terphenyl-d14	1.152	1.148	0.3	76	0.00
80	Butylbenzylphthalate	0.657	0.642	2.3	69	0.00
81	Benzo(a)anthracene	1.314	1.308	0.5	77	0.01
82	3,3'-Dichlorobenzidine	0.418	0.409	2.2	76	0.02
83	Chrysene	1.199	1.156	3.6	74	0.01
84	Bis(2-ethylhexyl)phthalate	0.877	0.791	9.8	64	0.02
85 c	Di-n-octyl phthalate	1.235	1.083	12.3	63	0.03
86 I	Perylene-d12	1.000	1.000	0.0	80	0.04
87	Indeno(1,2,3-cd)pyrene	1.235	1.295	-4.9	83	0.04
88	Benzo(b)fluoranthene	1.308	1.240	5.2	79	0.04
89	Benzo(k)fluoranthene	1.069	1.043	2.4	79	0.03
90 C	Benzo(a)pyrene	1.016	1.000	1.6	80	0.04
91	Dibenzo(a,h)anthracene	1.021	1.058	-3.6	82	0.04
92	Benzo(g,h,i)perylene	1.044	1.108	-6.1	84	0.04

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111424\
Data File : BF140366.D
Acq On : 14 Nov 2024 17:02
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Nov 15 00:26:39 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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111424\
 Data File : BF140366.D
 Acq On : 14 Nov 2024 17:02
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 Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	89	0.00
2	1,4-Dioxane	40.000	41.932	-4.8	94	0.00
3	Pyridine	40.000	40.709	-1.8	88	0.00
4	n-Nitrosodimethylamine	40.000	40.295	-0.7	88	0.00
5 S	2-Fluorophenol	80.000	81.137	-1.4	92	0.00
6	Aniline	40.000	40.711	-1.8	86	0.00
7 S	Phenol-d6	80.000	79.560	0.5	87	0.00
8	2-Chlorophenol	40.000	39.943	0.1	88	0.00
9	Benzaldehyde	40.000	36.193	9.5	86	0.00
10 C	Phenol	40.000	40.109	-0.3	86	0.00
11	bis(2-Chloroethyl)ether	40.000	39.201	2.0	87	0.00
12	1,3-Dichlorobenzene	40.000	39.873	0.3	89	0.00
13 C	1,4-Dichlorobenzene	40.000	39.407	1.5	88	0.00
14	1,2-Dichlorobenzene	40.000	40.001	-0.0	90	0.00
15	Benzyl Alcohol	40.000	40.213	-0.5	84	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	38.318	4.2	82	0.00
17	2-Methylphenol	40.000	39.935	0.2	86	0.00
18	Hexachloroethane	40.000	38.740	3.1	87	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	37.936	5.2	82	0.00
20	3+4-Methylphenols	40.000	39.798	0.5	85	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	82	0.00
22	Acetophenone	40.000	39.778	0.6	85	0.00
23 S	Nitrobenzene-d5	80.000	79.508	0.6	84	0.00
24	Nitrobenzene	40.000	40.097	-0.2	84	0.00
25	Isophorone	40.000	38.864	2.8	81	0.00
26 C	2-Nitrophenol	40.000	40.158	-0.4	82	0.00
27	2,4-Dimethylphenol	40.000	40.061	-0.2	84	0.00
28	bis(2-Chloroethoxy)methane	40.000	38.749	3.1	82	0.00
29 C	2,4-Dichlorophenol	40.000	40.000	0.0	84	0.00
30	1,2,4-Trichlorobenzene	40.000	39.983	0.0	85	0.00
31	Naphthalene	40.000	39.779	0.6	85	0.00
32	Benzoic acid	40.000	39.799	0.5	77	-0.01
33	4-Chloroaniline	40.000	37.102	7.2	79	0.00
34 C	Hexachlorobutadiene	40.000	39.216	2.0	83	0.00
35	Caprolactam	40.000	40.211	-0.5	84	0.00
36 C	4-Chloro-3-methylphenol	40.000	40.008	-0.0	83	0.00
37	2-Methylnaphthalene	40.000	39.503	1.2	84	0.00
38	1-Methylnaphthalene	40.000	39.135	2.2	82	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	79	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	40.151	-0.4	83	0.00
41 P	Hexachlorocyclopentadiene	40.000	37.550	6.1	76	0.00
42 S	2,4,6-Tribromophenol	80.000	80.260	-0.3	82	0.00
43 C	2,4,6-Trichlorophenol	40.000	40.537	-1.3	81	0.00
44	2,4,5-Trichlorophenol	40.000	41.193	-3.0	83	0.00
45 S	2-Fluorobiphenyl	80.000	79.126	1.1	83	0.00
46	1,1'-Biphenyl	40.000	40.335	-0.8	83	0.00
47	2-Chloronaphthalene	40.000	40.095	-0.2	83	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111424\
 Data File : BF140366.D
 Acq On : 14 Nov 2024 17:02
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Nov 15 00:26:39 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	40.696	-1.7	81	0.00
49	Acenaphthylene	40.000	39.873	0.3	81	0.00
50	Dimethylphthalate	40.000	39.043	2.4	80	0.00
51	2,6-Dinitrotoluene	40.000	40.717	-1.8	81	0.00
52 C	Acenaphthene	40.000	40.074	-0.2	82	0.00
53	3-Nitroaniline	40.000	40.079	-0.2	80	0.00
54 P	2,4-Dinitrophenol	40.000	40.067	-0.2	83	0.00
55	Dibenzofuran	40.000	40.313	-0.8	82	0.00
56 P	4-Nitrophenol	40.000	41.437	-3.6	79	0.00
57	2,4-Dinitrotoluene	40.000	40.596	-1.5	81	0.00
58	Fluorene	40.000	39.655	0.9	83	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	40.828	-2.1	80	0.00
60	Diethylphthalate	40.000	38.443	3.9	79	0.00
61	4-Chlorophenyl-phenylether	40.000	38.659	3.4	79	0.00
62	4-Nitroaniline	40.000	41.121	-2.8	81	0.00
63	Azobenzene	40.000	38.567	3.6	78	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	79	0.00
65	4,6-Dinitro-2-methylphenol	40.000	42.223	-5.6	82	0.00
66 c	n-Nitrosodiphenylamine	40.000	39.354	1.6	80	0.00
67	4-Bromophenyl-phenylether	40.000	38.665	3.3	78	0.00
68	Hexachlorobenzene	40.000	39.648	0.9	81	0.00
69	Atrazine	40.000	37.433	6.4	89	0.00
70 C	Pentachlorophenol	40.000	40.991	-2.5	77	0.00
71	Phenanthrene	40.000	39.434	1.4	81	0.00
72	Anthracene	40.000	39.328	1.7	80	0.00
73	Carbazole	40.000	40.121	-0.3	82	0.00
74	Di-n-butylphthalate	40.000	37.443	6.4	75	0.00
75 C	Fluoranthene	40.000	39.064	2.3	80	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	75	0.01
77	Benzydine	40.000	35.395	11.5	78	0.00
78	Pyrene	40.000	41.696	-4.2	79	0.00
79 S	Terphenyl-d14	80.000	79.737	0.3	76	0.00
80	Butylbenzylphthalate	40.000	39.065	2.3	69	0.00
81	Benzo(a)anthracene	40.000	39.818	0.5	77	0.01
82	3,3'-Dichlorobenzidine	40.000	39.116	2.2	76	0.02
83	Chrysene	40.000	38.550	3.6	74	0.01
84	Bis(2-ethylhexyl)phthalate	40.000	36.092	9.8	64	0.02
85 c	Di-n-octyl phthalate	40.000	35.080	12.3	63	0.03
86 I	Perylene-d12	20.000	20.000	0.0	80	0.04
87	Indeno(1,2,3-cd)pyrene	40.000	41.918	-4.8	83	0.04
88	Benzo(b)fluoranthene	40.000	37.914	5.2	79	0.04
89	Benzo(k)fluoranthene	40.000	39.052	2.4	79	0.03
90 C	Benzo(a)pyrene	40.000	39.374	1.6	80	0.04
91	Dibenzo(a,h)anthracene	40.000	41.429	-3.6	82	0.04
92	Benzo(g,h,i)perylene	40.000	42.441	-6.1	84	0.04

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111424\
Data File : BF140366.D
Acq On : 14 Nov 2024 17:02
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Nov 15 00:26:39 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: JPC101

Lab Code: CHEM Case No.: P4768 SAS No.: P4768 SDG No.: P4768

Instrument ID: BNA_F Calibration Date/Time: 11/15/2024 09:42

Lab File ID: BF140391.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	1.174		0.3	
Benzaldehyde	0.951	0.866		-8.9	
Phenol-d6	1.587	1.530		-3.6	
Phenol	1.674	1.610		-3.8	20.0
bis(2-Chloroethyl)ether	1.268	1.224		-3.5	
2-Chlorophenol	1.258	1.239		-1.5	
2-Methylphenol	1.035	0.992		-4.2	
2,2-oxybis(1-Chloropropane)	1.752	1.582		-9.7	
Acetophenone	0.465	0.462		-0.6	
3+4-Methylphenols	1.295	1.266		-2.2	
n-Nitroso-di-n-propylamine	0.959	0.883	0.050	-7.9	
Nitrobenzene-d5	0.384	0.381		-0.8	
Hexachloroethane	0.520	0.507		-2.5	
Nitrobenzene	0.400	0.397		-0.8	
Isophorone	0.680	0.646		-5.0	
2-Nitrophenol	0.177	0.180		1.7	20.0
2,4-Dimethylphenol	0.227	0.221		-2.6	
bis(2-Chloroethoxy)methane	0.417	0.394		-5.5	
2,4-Dichlorophenol	0.281	0.280		-0.4	20.0
Naphthalene	1.015	1.007		-0.8	
4-Chloroaniline	0.353	0.334		-5.4	
Hexachlorobutadiene	0.199	0.197		-1.0	20.0
Caprolactam	0.093	0.094		1.1	
4-Chloro-3-methylphenol	0.311	0.310		-0.3	20.0
2-Methylnaphthalene	0.651	0.633		-2.8	
Hexachlorocyclopentadiene	0.142	0.122	0.050	-14.1	
2,4,6-Trichlorophenol	0.363	0.368		1.4	20.0
2-Fluorobiphenyl	1.244	1.225		-1.5	
2,4,5-Trichlorophenol	0.397	0.403		1.5	
1,1-Biphenyl	1.455	1.438		-1.2	
2-Chloronaphthalene	1.108	1.095		-1.2	
2-Nitroaniline	0.368	0.371		0.8	
Dimethylphthalate	1.304	1.272		-2.5	
Acenaphthylene	1.677	1.677		0.0	
2,6-Dinitrotoluene	0.297	0.302		1.7	
3-Nitroaniline	0.312	0.312		0.0	
Acenaphthene	1.133	1.124		-0.8	20.0
2,4-Dinitrophenol	0.153	0.148	0.050	-3.3	
4-Nitrophenol	0.228	0.236	0.050	3.5	



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: JPC101

Lab Code: CHEM Case No.: P4768 SAS No.: P4768 SDG No.: P4768

Instrument ID: BNA_F Calibration Date/Time: 11/15/2024 09:42

Lab File ID: BF140391.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
Dibenzofuran	1.603	1.595		-0.5	
2,4-Dinitrotoluene	0.391	0.402		2.8	
Diethylphthalate	1.333	1.292		-3.1	
4-Chlorophenyl-phenylether	0.625	0.612		-2.1	
Fluorene	1.267	1.257		-0.8	
4-Nitroaniline	0.319	0.335		5.0	
4,6-Dinitro-2-methylphenol	0.108	0.116		7.4	
n-Nitrosodiphenylamine	0.578	0.566		-2.1	20.0
2,4,6-Tribromophenol	0.199	0.198		-0.5	
4-Bromophenyl-phenylether	0.200	0.193		-3.5	
Hexachlorobenzene	0.225	0.225		0.0	
Atrazine	0.175	0.155		-11.4	
Pentachlorophenol	0.121	0.117		-3.3	20.0
Phenanthrene	0.940	0.915		-2.7	
Anthracene	0.921	0.914		-0.8	
Carbazole	0.909	0.920		1.2	
Di-n-butylphthalate	1.091	1.028		-5.8	
Fluoranthene	1.054	1.039		-1.4	20.0
Pyrene	1.711	1.790		4.6	
Terphenyl-d14	1.152	1.158		0.5	
Butylbenzylphthalate	0.657	0.675		2.7	
3,3-Dichlorobenzidine	0.418	0.425		1.7	
Benzo (a) anthracene	1.314	1.279		-2.7	
Chrysene	1.199	1.195		-0.3	
Bis(2-ethylhexyl)phthalate	0.877	0.861		-1.8	
Di-n-octyl phthalate	1.235	1.164		-5.7	20.0
Benzo (b) fluoranthene	1.308	1.193		-8.8	
Benzo (k) fluoranthene	1.069	1.073		0.4	
Benzo (a) pyrene	1.016	1.005		-1.1	20.0
Indeno (1,2,3-cd) pyrene	1.235	1.249		1.1	
Dibenzo (a,h) anthracene	1.021	1.024		0.3	
Benzo (g,h,i) perylene	1.044	1.073		2.8	
1,2,4,5-Tetrachlorobenzene	0.553	0.546		-1.3	
1,4-Dioxane	0.522	0.518		-0.8	20.0
2,3,4,6-Tetrachlorophenol	0.313	0.312		-0.3	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111524\
 Data File : BF140391.D
 Acq On : 15 Nov 2024 09:42
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/18/2024
 Supervised By :mohammad ahmed 11/18/2024

Quant Time: Nov 15 10:44:42 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	6.881	152	137586	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	510501	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	282269	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	532450	20.000	ng	0.00
76) Chrysene-d12	14.063	240	316907	20.000	ng	0.01
86) Perylene-d12	15.574	264	286665	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	645906	80.154	ng	0.02
7) Phenol-d6	6.522	99	842168	77.138	ng	0.02
23) Nitrobenzene-d5	7.439	82	777839	79.388	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	223500	79.624	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	1383177	78.773	ng	0.00
79) Terphenyl-d14	12.992	244	1467568	80.383	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.640	88	142524	39.683	ng	99
3) Pyridine	3.410	79	355585	40.272	ng	100
4) n-Nitrosodimethylamine	3.363	42	175089	39.235	ng	100
6) Aniline	6.545	93	345718	36.401	ng	# 48
8) 2-Chlorophenol	6.669	128	341050	39.400	ng	99
9) Benzaldehyde	6.428	77	238171	36.399	ng	100
10) Phenol	6.539	94	443150	38.489	ng	# 73
11) bis(2-Chloroethyl)ether	6.610	93	336686	38.594	ng	99
12) 1,3-Dichlorobenzene	6.822	146	378509	39.632	ng	99
13) 1,4-Dichlorobenzene	6.898	146	387724	40.037	ng	99
14) 1,2-Dichlorobenzene	7.051	146	358382	39.863	ng	100
15) Benzyl Alcohol	7.022	79	305050	38.782	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.151	45	435241	36.120	ng	62
17) 2-Methylphenol	7.139	107	273053	38.346	ng	# 93
18) Hexachloroethane	7.386	117	139622	38.999	ng	98
19) n-Nitroso-di-n-propyla...	7.286	70	242899	36.837	ng	99
20) 3+4-Methylphenols	7.292	107	348503	39.135	ng	98
22) Acetophenone	7.286	105	471910	39.746	ng	98
24) Nitrobenzene	7.463	77	404843	39.685	ng	99
25) Isophorone	7.698	82	659463	37.977	ng	99
26) 2-Nitrophenol	7.775	139	183342	40.500	ng	98
27) 2,4-Dimethylphenol	7.816	122	225457m	38.901	ng	
28) bis(2-Chloroethoxy)met...	7.904	93	402489	37.800	ng	99
29) 2,4-Dichlorophenol	8.022	162	285923	39.919	ng	98
30) 1,2,4-Trichlorobenzene	8.098	180	315622	39.579	ng	100
31) Naphthalene	8.181	128	1028026	39.697	ng	100
32) Benzoic acid	7.934	122	214457	42.052	ng	96
33) 4-Chloroaniline	8.233	127	340749	37.835	ng	99
34) Hexachlorobutadiene	8.292	225	200748	39.511	ng	98
35) Caprolactam	8.598	113	96224	40.419	ng	97
36) 4-Chloro-3-methylphenol	8.722	107	316665	39.894	ng	98
37) 2-Methylnaphthalene	8.869	142	646451	38.930	ng	100
38) 1-Methylnaphthalene	8.969	142	631921	38.862	ng	100
40) 1,2,4,5-Tetrachloroben...	9.039	216	307958	39.453	ng	99
41) Hexachlorocyclopentadiene	9.022	237	68792	34.325	ng	99
43) 2,4,6-Trichlorophenol	9.151	196	207526	40.512	ng	99

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 Data File : BF140391.D
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 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/18/2024

Supervised By :mohammad ahmed 11/18/2024

Quant Time: Nov 15 10:44:42 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	9.198	196	227545	40.628	ng	98
46) 1,1'-Biphenyl	9.333	154	811589	39.522	ng	99
47) 2-Chloronaphthalene	9.363	162	618193	39.519	ng	99
48) 2-Nitroaniline	9.457	65	209611	40.405	ng	97
49) Acenaphthylene	9.780	152	946507	39.992	ng	100
50) Dimethylphthalate	9.633	163	718203	39.036	ng	99
51) 2,6-Dinitrotoluene	9.698	165	170409	40.628	ng	99
52) Acenaphthene	9.951	154	634430	39.688	ng	100
53) 3-Nitroaniline	9.875	138	176253	40.013	ng	98
54) 2,4-Dinitrophenol	9.980	184	83401	38.558	ng	97
55) Dibenzofuran	10.122	168	900455	39.791	ng	100
56) 4-Nitrophenol	10.045	139	133026	41.402	ng	97
57) 2,4-Dinitrotoluene	10.104	165	226868	41.097	ng	99
58) Fluorene	10.469	166	709723	39.701	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.245	232	176290	39.865	ng	99
60) Diethylphthalate	10.333	149	729288	38.764	ng	99
61) 4-Chlorophenyl-phenyle...	10.457	204	345585	39.157	ng	98
62) 4-Nitroaniline	10.486	138	189032	41.970	ng	99
63) Azobenzene	10.616	77	710719	38.234	ng	100
65) 4,6-Dinitro-2-methylph...	10.516	198	123344	43.056	ng	96
66) n-Nitrosodiphenylamine	10.575	169	602930	39.191	ng	100
67) 4-Bromophenyl-phenylether	10.945	248	205033	38.522	ng	97
68) Hexachlorobenzene	11.016	284	239911	40.062	ng	97
69) Atrazine	11.104	200	165528	35.563	ng	99
70) Pentachlorophenol	11.216	266	125086	38.777	ng	99
71) Phenanthrene	11.427	178	973993	38.941	ng	100
72) Anthracene	11.480	178	973208	39.701	ng	100
73) Carbazole	11.639	167	979587	40.471	ng	100
74) Di-n-butylphthalate	11.963	149	1094325	37.669	ng	100
75) Fluoranthene	12.621	202	1106665	39.437	ng	100
77) Benzidine	12.745	184	417263	34.306	ng	98
78) Pyrene	12.851	202	1134803	41.863	ng	100
80) Butylbenzylphthalate	13.463	149	427850	41.087	ng	98
81) Benzo(a)anthracene	14.051	228	810541	38.916	ng	100
82) 3,3'-Dichlorobenzidine	14.010	252	269418	40.697	ng	100
83) Chrysene	14.092	228	757510	39.861	ng	100
84) Bis(2-ethylhexyl)phtha...	14.027	149	545578	39.252	ng	100
85) Di-n-octyl phthalate	14.674	149	737911	37.695	ng	100
87) Indeno(1,2,3-cd)pyrene	17.086	276	716330	40.452	ng	100
88) Benzo(b)fluoranthene	15.139	252	684079	36.480	ng	99
89) Benzo(k)fluoranthene	15.168	252	615340	40.168	ng	99
90) Benzo(a)pyrene	15.509	252	576074	39.559	ng	100
91) Dibenzo(a,h)anthracene	17.103	278	586986	40.102	ng	100
92) Benzo(g,h,i)perylene	17.545	276	615070	41.103	ng	100

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

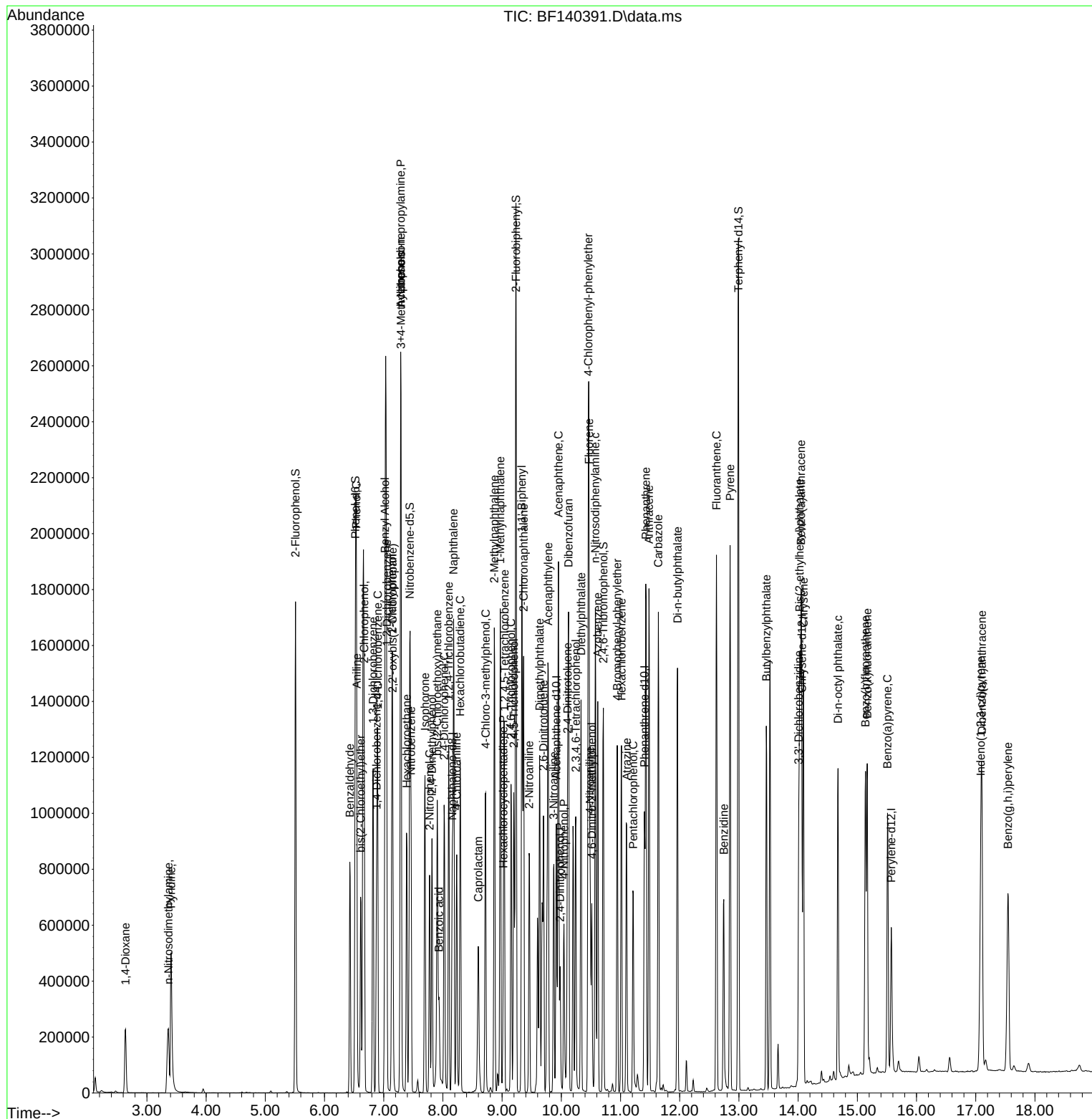
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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111524\
Data File : BF140391.D
Acq On    : 15 Nov 2024  09:42
Operator  : RC/JU
Sample    : SSTDCCC040
Misc      :
ALS Vial  : 2    Sample Multiplier: 1
```

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations

Reviewed By :Yogesh Patel 11/18/2024
Supervised By :mohammad ahmed 11/18/2024

Quant Time: Nov 15 10:44:42 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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111524\
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Instrument :
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 LabSampleId :
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Quant Time: Nov 15 10:44:42 2024
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 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	93	0.00
2	1,4-Dioxane	0.522	0.518	0.8	94	0.00
3	Pyridine	1.283	1.292	-0.7	92	0.00
4	n-Nitrosodimethylamine	0.649	0.636	2.0	90	0.00
5 S	2-Fluorophenol	1.171	1.174	-0.3	95	0.02
6	Aniline	1.381	1.256	9.1	81	0.00
7 S	Phenol-d6	1.587	1.530	3.6	89	0.02
8	2-Chlorophenol	1.258	1.239	1.5	92	0.00
9	Benzaldehyde	0.951	0.866	8.9	91	0.00
10 C	Phenol	1.674	1.610	3.8	87	0.02
11	bis(2-Chloroethyl)ether	1.268	1.224	3.5	91	0.00
12	1,3-Dichlorobenzene	1.388	1.376	0.9	94	0.00
13 C	1,4-Dichlorobenzene	1.408	1.409	-0.1	95	0.00
14	1,2-Dichlorobenzene	1.307	1.302	0.4	94	0.00
15	Benzyl Alcohol	1.143	1.109	3.0	86	0.00
16	2,2'-oxybis(1-Chloropropane	1.752	1.582	9.7	81	0.00
17	2-Methylphenol	1.035	0.992	4.2	87	0.01
18	Hexachloroethane	0.520	0.507	2.5	92	0.00
19 P	n-Nitroso-di-n-propylamine	0.959	0.883	7.9	84	0.00
20	3+4-Methylphenols	1.294	1.266	2.2	88	0.01
21 I	Naphthalene-d8	1.000	1.000	0.0	87	0.00
22	Acetophenone	0.465	0.462	0.6	89	0.00
23 S	Nitrobenzene-d5	0.384	0.381	0.8	88	0.00
24	Nitrobenzene	0.400	0.397	0.8	87	0.00
25	Isophorone	0.680	0.646	5.0	83	0.00
26 C	2-Nitrophenol	0.177	0.180	-1.7	87	0.00
27	2,4-Dimethylphenol	0.227	0.221	2.6	86	0.00
28	bis(2-Chloroethoxy)methane	0.417	0.394	5.5	84	0.00
29 C	2,4-Dichlorophenol	0.281	0.280	0.4	88	0.00
30	1,2,4-Trichlorobenzene	0.312	0.309	1.0	89	0.00
31	Naphthalene	1.015	1.007	0.8	89	0.00
32	Benzoic acid	0.200	0.210	-5.0	86	0.00
33	4-Chloroaniline	0.353	0.334	5.4	85	0.00
34 C	Hexachlorobutadiene	0.199	0.197	1.0	88	0.00
35	Caprolactam	0.093	0.094	-1.1	89	0.00
36 C	4-Chloro-3-methylphenol	0.311	0.310	0.3	87	0.02
37	2-Methylnaphthalene	0.651	0.633	2.8	87	0.00
38	1-Methylnaphthalene	0.637	0.619	2.8	86	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	84	0.00
40	1,2,4,5-Tetrachlorobenzene	0.553	0.546	1.3	87	0.00
41 P	Hexachlorocyclopentadiene	0.142	0.122	14.1	74	0.00
42 S	2,4,6-Tribromophenol	0.199	0.198	0.5	87	0.00
43 C	2,4,6-Trichlorophenol	0.363	0.368	-1.4	86	0.00
44	2,4,5-Trichlorophenol	0.397	0.403	-1.5	87	0.01
45 S	2-Fluorobiphenyl	1.244	1.225	1.5	88	0.00
46	1,1'-Biphenyl	1.455	1.438	1.2	86	0.00
47	2-Chloronaphthalene	1.108	1.095	1.2	87	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111524\
 Data File : BF140391.D
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 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
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 SSTDCCC040

Quant Time: Nov 15 10:44:42 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	0.371	-0.8	86	0.00
49	Acenaphthylene	1.677	1.677	0.0	86	0.00
50	Dimethylphthalate	1.304	1.272	2.5	85	0.00
51	2,6-Dinitrotoluene	0.297	0.302	-1.7	86	0.00
52 C	Acenaphthene	1.133	1.124	0.8	87	0.00
53	3-Nitroaniline	0.312	0.312	0.0	85	0.00
54 P	2,4-Dinitrophenol	0.153	0.148	3.3	85	0.00
55	Dibenzofuran	1.603	1.595	0.5	86	0.00
56 P	4-Nitrophenol	0.228	0.236	-3.5	84	0.02
57	2,4-Dinitrotoluene	0.391	0.402	-2.8	88	0.00
58	Fluorene	1.267	1.257	0.8	88	0.00
59	2,3,4,6-Tetrachlorophenol	0.313	0.312	0.3	83	0.00
60	Diethylphthalate	1.333	1.292	3.1	85	0.00
61	4-Chlorophenyl-phenylether	0.625	0.612	2.1	86	0.00
62	4-Nitroaniline	0.319	0.335	-5.0	88	0.00
63	Azobenzene	1.317	1.259	4.4	82	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	85	0.00
65	4,6-Dinitro-2-methylphenol	0.108	0.116	-7.4	90	0.00
66 c	n-Nitrosodiphenylamine	0.578	0.566	2.1	86	0.00
67	4-Bromophenyl-phenylether	0.200	0.193	3.5	84	0.00
68	Hexachlorobenzene	0.225	0.225	0.0	88	0.00
69	Atrazine	0.175	0.155	11.4	91	0.00
70 C	Pentachlorophenol	0.121	0.117	3.3	78	0.01
71	Phenanthrene	0.940	0.915	2.7	86	0.00
72	Anthracene	0.921	0.914	0.8	87	0.00
73	Carbazole	0.909	0.920	-1.2	89	0.00
74	Di-n-butylphthalate	1.091	1.028	5.8	81	0.00
75 C	Fluoranthene	1.054	1.039	1.4	86	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	82	0.01
77	Benzydine	0.768	0.658	14.3	83	0.01
78	Pyrene	1.711	1.790	-4.6	88	0.00
79 S	Terphenyl-d14	1.152	1.158	-0.5	85	0.00
80	Butylbenzylphthalate	0.657	0.675	-2.7	80	0.00
81	Benzo(a)anthracene	1.314	1.279	2.7	83	0.01
82	3,3'-Dichlorobenzidine	0.418	0.425	-1.7	87	0.01
83	Chrysene	1.199	1.195	0.3	84	0.01
84	Bis(2-ethylhexyl)phthalate	0.877	0.861	1.8	76	0.00
85 c	Di-n-octyl phthalate	1.235	1.164	5.7	74	0.01
86 I	Perylene-d12	1.000	1.000	0.0	89	0.02
87	Indeno(1,2,3-cd)pyrene	1.235	1.249	-1.1	88	0.03
88	Benzo(b)fluoranthene	1.308	1.193	8.8	84	0.02
89	Benzo(k)fluoranthene	1.069	1.073	-0.4	90	0.02
90 C	Benzo(a)pyrene	1.016	1.005	1.1	89	0.02
91	Dibenzo(a,h)anthracene	1.021	1.024	-0.3	88	0.03
92	Benzo(g,h,i)perylene	1.044	1.073	-2.8	90	0.03

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111524\
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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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111524\
 Data File : BF140391.D
 Acq On : 15 Nov 2024 09:42
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Nov 15 10:44:42 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	93	0.00
2	1,4-Dioxane	40.000	39.683	0.8	94	0.00
3	Pyridine	40.000	40.272	-0.7	92	0.00
4	n-Nitrosodimethylamine	40.000	39.235	1.9	90	0.00
5 S	2-Fluorophenol	80.000	80.154	-0.2	95	0.02
6	Aniline	40.000	36.401	9.0	81	0.00
7 S	Phenol-d6	80.000	77.138	3.6	89	0.02
8	2-Chlorophenol	40.000	39.400	1.5	92	0.00
9	Benzaldehyde	40.000	36.399	9.0	91	0.00
10 C	Phenol	40.000	38.489	3.8	87	0.02
11	bis(2-Chloroethyl)ether	40.000	38.594	3.5	91	0.00
12	1,3-Dichlorobenzene	40.000	39.632	0.9	94	0.00
13 C	1,4-Dichlorobenzene	40.000	40.037	-0.1	95	0.00
14	1,2-Dichlorobenzene	40.000	39.863	0.3	94	0.00
15	Benzyl Alcohol	40.000	38.782	3.0	86	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	36.120	9.7	81	0.00
17	2-Methylphenol	40.000	38.346	4.1	87	0.01
18	Hexachloroethane	40.000	38.999	2.5	92	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	36.837	7.9	84	0.00
20	3+4-Methylphenols	40.000	39.135	2.2	88	0.01
21 I	Naphthalene-d8	20.000	20.000	0.0	87	0.00
22	Acetophenone	40.000	39.746	0.6	89	0.00
23 S	Nitrobenzene-d5	80.000	79.388	0.8	88	0.00
24	Nitrobenzene	40.000	39.685	0.8	87	0.00
25	Isophorone	40.000	37.977	5.1	83	0.00
26 C	2-Nitrophenol	40.000	40.500	-1.3	87	0.00
27	2,4-Dimethylphenol	40.000	38.901	2.7	86	0.00
28	bis(2-Chloroethoxy)methane	40.000	37.800	5.5	84	0.00
29 C	2,4-Dichlorophenol	40.000	39.919	0.2	88	0.00
30	1,2,4-Trichlorobenzene	40.000	39.579	1.1	89	0.00
31	Naphthalene	40.000	39.697	0.8	89	0.00
32	Benzoic acid	40.000	42.052	-5.1	86	0.00
33	4-Chloroaniline	40.000	37.835	5.4	85	0.00
34 C	Hexachlorobutadiene	40.000	39.511	1.2	88	0.00
35	Caprolactam	40.000	40.419	-1.0	89	0.00
36 C	4-Chloro-3-methylphenol	40.000	39.894	0.3	87	0.02
37	2-Methylnaphthalene	40.000	38.930	2.7	87	0.00
38	1-Methylnaphthalene	40.000	38.862	2.8	86	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	84	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	39.453	1.4	87	0.00
41 P	Hexachlorocyclopentadiene	40.000	34.325	14.2	74	0.00
42 S	2,4,6-Tribromophenol	80.000	79.624	0.5	87	0.00
43 C	2,4,6-Trichlorophenol	40.000	40.512	-1.3	86	0.00
44	2,4,5-Trichlorophenol	40.000	40.628	-1.6	87	0.01
45 S	2-Fluorobiphenyl	80.000	78.773	1.5	88	0.00
46	1,1'-Biphenyl	40.000	39.522	1.2	86	0.00
47	2-Chloronaphthalene	40.000	39.519	1.2	87	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111524\
 Data File : BF140391.D
 Acq On : 15 Nov 2024 09:42
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Nov 15 10:44:42 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	40.405	-1.0	86	0.00
49	Acenaphthylene	40.000	39.992	0.0	86	0.00
50	Dimethylphthalate	40.000	39.036	2.4	85	0.00
51	2,6-Dinitrotoluene	40.000	40.628	-1.6	86	0.00
52 C	Acenaphthene	40.000	39.688	0.8	87	0.00
53	3-Nitroaniline	40.000	40.013	-0.0	85	0.00
54 P	2,4-Dinitrophenol	40.000	38.558	3.6	85	0.00
55	Dibenzofuran	40.000	39.791	0.5	86	0.00
56 P	4-Nitrophenol	40.000	41.402	-3.5	84	0.02
57	2,4-Dinitrotoluene	40.000	41.097	-2.7	88	0.00
58	Fluorene	40.000	39.701	0.7	88	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	39.865	0.3	83	0.00
60	Diethylphthalate	40.000	38.764	3.1	85	0.00
61	4-Chlorophenyl-phenylether	40.000	39.157	2.1	86	0.00
62	4-Nitroaniline	40.000	41.970	-4.9	88	0.00
63	Azobenzene	40.000	38.234	4.4	82	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	85	0.00
65	4,6-Dinitro-2-methylphenol	40.000	43.056	-7.6	90	0.00
66 c	n-Nitrosodiphenylamine	40.000	39.191	2.0	86	0.00
67	4-Bromophenyl-phenylether	40.000	38.522	3.7	84	0.00
68	Hexachlorobenzene	40.000	40.062	-0.2	88	0.00
69	Atrazine	40.000	35.563	11.1	91	0.00
70 C	Pentachlorophenol	40.000	38.777	3.1	78	0.01
71	Phenanthrene	40.000	38.941	2.6	86	0.00
72	Anthracene	40.000	39.701	0.7	87	0.00
73	Carbazole	40.000	40.471	-1.2	89	0.00
74	Di-n-butylphthalate	40.000	37.669	5.8	81	0.00
75 C	Fluoranthene	40.000	39.437	1.4	86	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	82	0.01
77	Benzydine	40.000	34.306	14.2	83	0.01
78	Pyrene	40.000	41.863	-4.7	88	0.00
79 S	Terphenyl-d14	80.000	80.383	-0.5	85	0.00
80	Butylbenzylphthalate	40.000	41.087	-2.7	80	0.00
81	Benzo(a)anthracene	40.000	38.916	2.7	83	0.01
82	3,3'-Dichlorobenzidine	40.000	40.697	-1.7	87	0.01
83	Chrysene	40.000	39.861	0.3	84	0.01
84	Bis(2-ethylhexyl)phthalate	40.000	39.252	1.9	76	0.00
85 c	Di-n-octyl phthalate	40.000	37.695	5.8	74	0.01
86 I	Perylene-d12	20.000	20.000	0.0	89	0.02
87	Indeno(1,2,3-cd)pyrene	40.000	40.452	-1.1	88	0.03
88	Benzo(b)fluoranthene	40.000	36.480	8.8	84	0.02
89	Benzo(k)fluoranthene	40.000	40.168	-0.4	90	0.02
90 C	Benzo(a)pyrene	40.000	39.559	1.1	89	0.02
91	Dibenzo(a,h)anthracene	40.000	40.102	-0.3	88	0.03
92	Benzo(g,h,i)perylene	40.000	41.103	-2.8	90	0.03

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111524\
Data File : BF140391.D
Acq On : 15 Nov 2024 09:42
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Nov 15 10:44:42 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: JPC101

Lab Code: CHEM Case No.: P4768 SAS No.: P4768 SDG No.: P4768

Instrument ID: BNA_F Calibration Date/Time: 11/16/2024 09:34

Lab File ID: BF140417.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	1.149		-1.9	
Benzaldehyde	0.951	0.802		-15.7	
Phenol-d6	1.587	1.530		-3.6	
Phenol	1.674	1.580		-5.6	20.0
bis(2-Chloroethyl)ether	1.268	1.238		-2.4	
2-Chlorophenol	1.258	1.242		-1.3	
2-Methylphenol	1.035	0.999		-3.5	
2,2-oxybis(1-Chloropropane)	1.752	1.611		-8.0	
Acetophenone	0.465	0.454		-2.4	
3+4-Methylphenols	1.295	1.228		-5.2	
n-Nitroso-di-n-propylamine	0.959	0.896	0.050	-6.6	
Nitrobenzene-d5	0.384	0.376		-2.1	
Hexachloroethane	0.520	0.509		-2.1	
Nitrobenzene	0.400	0.390		-2.5	
Isophorone	0.680	0.662		-2.6	
2-Nitrophenol	0.177	0.182		2.8	20.0
2,4-Dimethylphenol	0.227	0.228		0.4	
bis(2-Chloroethoxy)methane	0.417	0.412		-1.2	
2,4-Dichlorophenol	0.281	0.277		-1.4	20.0
Naphthalene	1.015	1.001		-1.4	
4-Chloroaniline	0.353	0.308		-12.7	
Hexachlorobutadiene	0.199	0.197		-1.0	20.0
Caprolactam	0.093	0.096		3.2	
4-Chloro-3-methylphenol	0.311	0.311		0.0	20.0
2-Methylnaphthalene	0.651	0.639		-1.8	
Hexachlorocyclopentadiene	0.142	0.131	0.050	-7.7	
2,4,6-Trichlorophenol	0.363	0.356		-1.9	20.0
2-Fluorobiphenyl	1.244	1.185		-4.7	
2,4,5-Trichlorophenol	0.397	0.394		-0.8	
1,1-Biphenyl	1.455	1.398		-3.9	
2-Chloronaphthalene	1.108	1.068		-3.6	
2-Nitroaniline	0.368	0.361		-1.9	
Dimethylphthalate	1.304	1.271		-2.5	
Acenaphthylene	1.677	1.620		-3.4	
2,6-Dinitrotoluene	0.297	0.294		-1.0	
3-Nitroaniline	0.312	0.297		-4.8	
Acenaphthene	1.133	1.097		-3.2	20.0
2,4-Dinitrophenol	0.153	0.163	0.050	6.5	
4-Nitrophenol	0.228	0.221	0.050	-3.1	



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: JPC101

Lab Code: CHEM Case No.: P4768 SAS No.: P4768 SDG No.: P4768

Instrument ID: BNA_F Calibration Date/Time: 11/16/2024 09:34

Lab File ID: BF140417.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
Dibenzofuran	1.603	1.546		-3.6	
2,4-Dinitrotoluene	0.391	0.391		0.0	
Diethylphthalate	1.333	1.311		-1.6	
4-Chlorophenyl-phenylether	0.625	0.608		-2.7	
Fluorene	1.267	1.222		-3.6	
4-Nitroaniline	0.319	0.319		0.0	
4,6-Dinitro-2-methylphenol	0.108	0.118		9.3	
n-Nitrosodiphenylamine	0.578	0.561		-2.9	20.0
2,4,6-Tribromophenol	0.199	0.198		-0.5	
4-Bromophenyl-phenylether	0.200	0.198		-1.0	
Hexachlorobenzene	0.225	0.224		-0.4	
Atrazine	0.175	0.153		-12.6	
Pentachlorophenol	0.121	0.122		0.8	20.0
Phenanthrene	0.940	0.898		-4.5	
Anthracene	0.921	0.890		-3.4	
Carbazole	0.909	0.878		-3.4	
Di-n-butylphthalate	1.091	1.089		-0.2	
Fluoranthene	1.054	1.013		-3.9	20.0
Pyrene	1.711	1.804		5.4	
Terphenyl-d14	1.152	1.194		3.6	
Butylbenzylphthalate	0.657	0.725		10.4	
3,3-Dichlorobenzidine	0.418	0.396		-5.3	
Benzo (a) anthracene	1.314	1.329		1.1	
Chrysene	1.199	1.120		-6.6	
Bis(2-ethylhexyl)phthalate	0.877	0.958		9.2	
Di-n-octyl phthalate	1.235	1.274		3.2	20.0
Benzo (b) fluoranthene	1.308	1.209		-7.6	
Benzo (k) fluoranthene	1.069	1.063		-0.6	
Benzo (a) pyrene	1.016	0.999		-1.7	20.0
Indeno (1,2,3-cd) pyrene	1.235	1.265		2.4	
Dibenzo (a,h) anthracene	1.021	1.050		2.8	
Benzo (g,h,i) perylene	1.044	1.054		1.0	
1,2,4,5-Tetrachlorobenzene	0.553	0.544		-1.6	
1,4-Dioxane	0.522	0.504		-3.4	20.0
2,3,4,6-Tetrachlorophenol	0.313	0.317		1.3	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
 Data File : BF140417.D
 Acq On : 16 Nov 2024 09:34
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/19/2024

Supervised By :mohammad ahmed 11/19/2024

Quant Time: Nov 18 00:04:05 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	171491	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	639592	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	364979	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	687284	20.000	ng	0.00
76) Chrysene-d12	14.051	240	387415	20.000	ng	0.00
86) Perylene-d12	15.545	264	336604	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	787994	78.454	ng	0.01
7) Phenol-d6	6.522	99	1049788	77.144	ng	0.02
23) Nitrobenzene-d5	7.445	82	962351	78.395	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	289499	79.764	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	1729565	76.179	ng	0.00
79) Terphenyl-d14	12.992	244	1850283	82.901	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.646	88	172832	38.608	ng	99
3) Pyridine	3.416	79	428144	38.903	ng	99
4) n-Nitrosodimethylamine	3.375	42	215142	38.679	ng	100
6) Aniline	6.545	93	404530	34.173	ng	# 59
8) 2-Chlorophenol	6.669	128	426051	39.489	ng	98
9) Benzaldehyde	6.428	77	275132	33.734	ng	99
10) Phenol	6.534	94	541819	37.755	ng	80
11) bis(2-Chloroethyl)ether	6.616	93	424589	39.048	ng	99
12) 1,3-Dichlorobenzene	6.816	146	477931	40.148	ng	99
13) 1,4-Dichlorobenzene	6.898	146	471860	39.091	ng	99
14) 1,2-Dichlorobenzene	7.051	146	443164	39.548	ng	100
15) Benzyl Alcohol	7.022	79	386829	39.455	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.151	45	552688	36.798	ng	71
17) 2-Methylphenol	7.140	107	342515	38.591	ng	# 93
18) Hexachloroethane	7.387	117	174720	39.154	ng	98
19) n-Nitroso-di-n-propyla...	7.292	70	307154	37.372	ng	99
20) 3+4-Methylphenols	7.292	107	421150	37.942	ng	99
22) Acetophenone	7.287	105	580166	39.001	ng	99
24) Nitrobenzene	7.463	77	499492	39.081	ng	99
25) Isophorone	7.698	82	846924	38.928	ng	99
26) 2-Nitrophenol	7.775	139	233325	41.139	ng	99
27) 2,4-Dimethylphenol	7.816	122	291470m	40.141	ng	
28) bis(2-Chloroethoxy)met...	7.904	93	526391	39.459	ng	99
29) 2,4-Dichlorophenol	8.022	162	354095	39.458	ng	100
30) 1,2,4-Trichlorobenzene	8.098	180	397157	39.752	ng	99
31) Naphthalene	8.181	128	1280078	39.453	ng	100
32) Benzoic acid	7.945	122	289465	45.304	ng	96
33) 4-Chloroaniline	8.234	127	393461	34.870	ng	100
34) Hexachlorobutadiene	8.292	225	252633	39.687	ng	99
35) Caprolactam	8.604	113	122313	41.008	ng	95
36) 4-Chloro-3-methylphenol	8.716	107	397602	39.981	ng	100
37) 2-Methylnaphthalene	8.869	142	817627	39.301	ng	100
38) 1-Methylnaphthalene	8.969	142	800228	39.279	ng	99
40) 1,2,4,5-Tetrachloroben...	9.039	216	397151	39.350	ng	99
41) Hexachlorocyclopentadiene	9.022	237	95452	36.835	ng	99
43) 2,4,6-Trichlorophenol	9.151	196	259845	39.230	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
 Data File : BF140417.D
 Acq On : 16 Nov 2024 09:34
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/19/2024

Supervised By :mohammad ahmed 11/19/2024

Quant Time: Nov 18 00:04:05 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	9.198	196	287468	39.696	ng	98
46) 1,1'-Biphenyl	9.334	154	1020486	38.433	ng	100
47) 2-Chloronaphthalene	9.363	162	779794	38.553	ng	99
48) 2-Nitroaniline	9.457	65	263815	39.329	ng	97
49) Acenaphthylene	9.781	152	1182571	38.643	ng	100
50) Dimethylphthalate	9.633	163	927828	39.001	ng	100
51) 2,6-Dinitrotoluene	9.704	165	214746	39.596	ng	97
52) Acenaphthene	9.951	154	800838	38.745	ng	99
53) 3-Nitroaniline	9.875	138	216865	38.075	ng	100
54) 2,4-Dinitrophenol	9.981	184	118699	42.441	ng	98
55) Dibenzofuran	10.122	168	1128530	38.569	ng	100
56) 4-Nitrophenol	10.045	139	161221	38.806	ng	97
57) 2,4-Dinitrotoluene	10.104	165	285597	40.012	ng	99
58) Fluorene	10.463	166	891798	38.581	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.245	232	231741	40.529	ng	98
60) Diethylphthalate	10.333	149	957261	39.351	ng	99
61) 4-Chlorophenyl-phenyle...	10.457	204	443760	38.886	ng	98
62) 4-Nitroaniline	10.486	138	233091	40.025	ng	98
63) Azobenzene	10.616	77	913925	38.024	ng	100
65) 4,6-Dinitro-2-methylph...	10.516	198	162374	43.912	ng	99
66) n-Nitrosodiphenylamine	10.575	169	770535	38.802	ng	99
67) 4-Bromophenyl-phenylether	10.945	248	272428	39.654	ng	99
68) Hexachlorobenzene	11.016	284	307743	39.812	ng	97
69) Atrazine	11.104	200	210416	35.023	ng	99
70) Pentachlorophenol	11.210	266	167682	40.271	ng	99
71) Phenanthrene	11.433	178	1234090	38.224	ng	100
72) Anthracene	11.480	178	1223863	38.679	ng	100
73) Carbazole	11.639	167	1206562	38.618	ng	100
74) Di-n-butylphthalate	11.963	149	1497471	39.934	ng	100
75) Fluoranthene	12.622	202	1392952	38.456	ng	99
77) Benzidine	12.739	184	403532	27.139	ng	99
78) Pyrene	12.851	202	1398048	42.188	ng	100
80) Butylbenzylphthalate	13.463	149	562104	44.155	ng	97
81) Benzo(a)anthracene	14.039	228	1030059	40.455	ng	100
82) 3,3'-Dichlorobenzidine	14.004	252	306565	37.880	ng	99
83) Chrysene	14.080	228	867443	37.339	ng	99
84) Bis(2-ethylhexyl)phtha...	14.021	149	742638	43.706	ng	99
85) Di-n-octyl phthalate	14.645	149	987420	41.261	ng	100
87) Indeno(1,2,3-cd)pyrene	17.057	276	851380	40.946	ng	100
88) Benzo(b)fluoranthene	15.110	252	814060	36.971	ng	99
89) Benzo(k)fluoranthene	15.139	252	715432	39.773	ng	99
90) Benzo(a)pyrene	15.480	252	672678	39.340	ng	99
91) Dibenzo(a,h)anthracene	17.068	278	707111	41.141	ng	99
92) Benzo(g,h,i)perylene	17.509	276	709860	40.399	ng	100

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

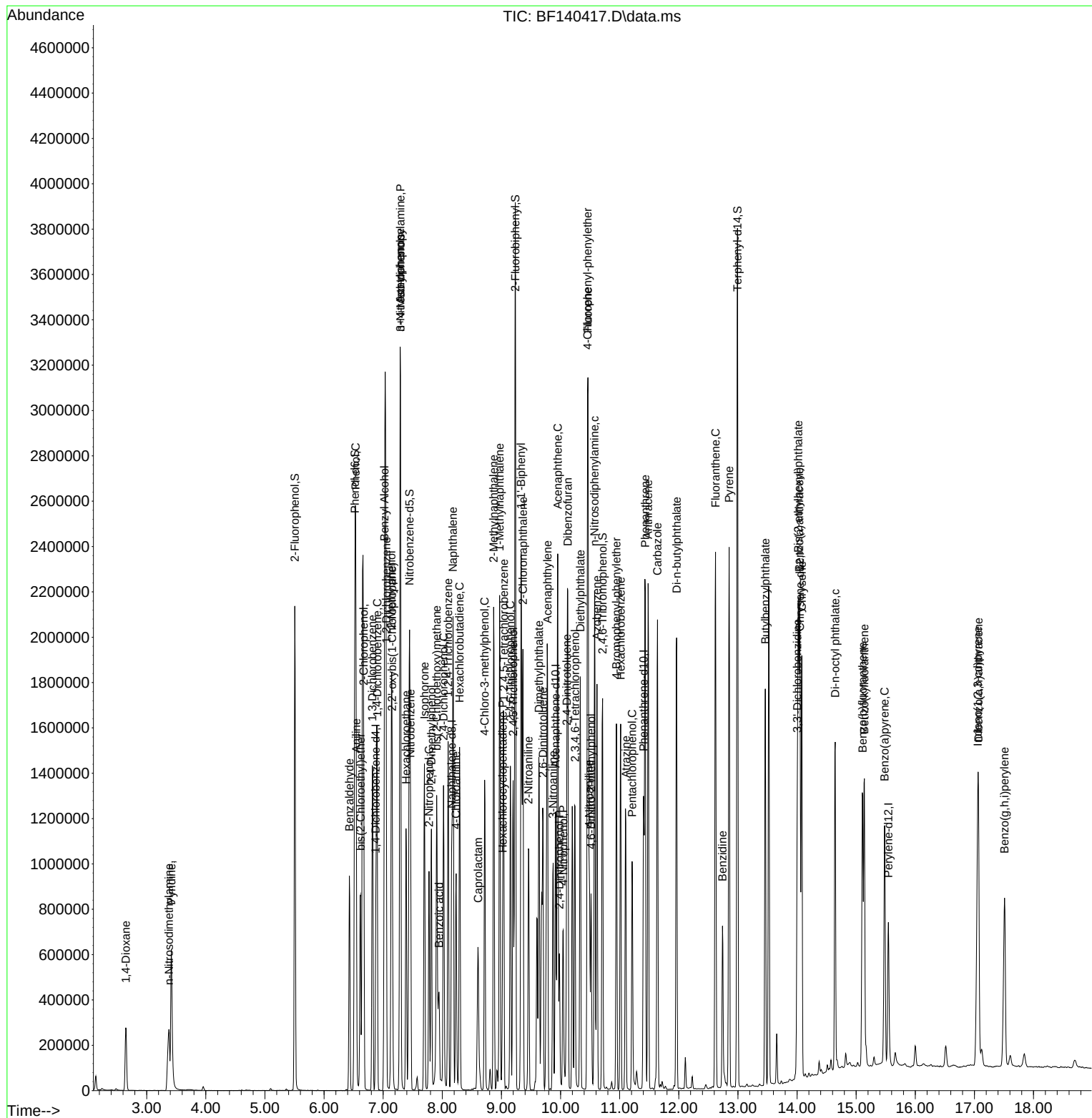
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
Data File : BF140417.D
Acq On : 16 Nov 2024 09:34
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/19/2024
Supervised By :mohammad ahmed 11/19/2024

Quant Time: Nov 18 00:04:05 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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
 Data File : BF140417.D
 Acq On : 16 Nov 2024 09:34
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Nov 18 00:04:05 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	117	0.00
2	1,4-Dioxane	0.522	0.504	3.4	114	0.01
3	Pyridine	1.283	1.248	2.7	111	0.01
4	n-Nitrosodimethylamine	0.649	0.627	3.4	111	0.02
5 S	2-Fluorophenol	1.171	1.149	1.9	116	0.01
6	Aniline	1.381	1.179	14.6	95	0.00
7 S	Phenol-d6	1.587	1.530	3.6	111	0.02
8	2-Chlorophenol	1.258	1.242	1.3	115	0.00
9	Benzaldehyde	0.951	0.802	15.7	105	0.00
10 C	Phenol	1.674	1.580	5.6	107	0.01
11	bis(2-Chloroethyl)ether	1.268	1.238	2.4	114	0.00
12	1,3-Dichlorobenzene	1.388	1.393	-0.4	118	0.00
13 C	1,4-Dichlorobenzene	1.408	1.376	2.3	115	0.00
14	1,2-Dichlorobenzene	1.307	1.292	1.1	116	0.00
15	Benzyl Alcohol	1.143	1.128	1.3	109	0.00
16	2,2'-oxybis(1-Chloropropane	1.752	1.611	8.0	103	0.00
17	2-Methylphenol	1.035	0.999	3.5	109	0.01
18	Hexachloroethane	0.520	0.509	2.1	115	0.00
19 P	n-Nitroso-di-n-propylamine	0.959	0.896	6.6	106	0.00
20	3+4-Methylphenols	1.294	1.228	5.1	106	0.01
21 I	Naphthalene-d8	1.000	1.000	0.0	109	0.00
22	Acetophenone	0.465	0.454	2.4	110	0.00
23 S	Nitrobenzene-d5	0.384	0.376	2.1	109	0.00
24	Nitrobenzene	0.400	0.390	2.5	108	0.00
25	Isophorone	0.680	0.662	2.6	107	0.00
26 C	2-Nitrophenol	0.177	0.182	-2.8	111	0.00
27	2,4-Dimethylphenol	0.227	0.228	-0.4	111	0.00
28	bis(2-Chloroethoxy)methane	0.417	0.412	1.2	110	0.00
29 C	2,4-Dichlorophenol	0.281	0.277	1.4	109	0.00
30	1,2,4-Trichlorobenzene	0.312	0.310	0.6	112	0.00
31	Naphthalene	1.015	1.001	1.4	111	0.00
32	Benzoic acid	0.200	0.226	-13.0	116	0.02
33	4-Chloroaniline	0.353	0.308	12.7	98	0.00
34 C	Hexachlorobutadiene	0.199	0.197	1.0	111	0.00
35	Caprolactam	0.093	0.096	-3.2	113	0.00
36 C	4-Chloro-3-methylphenol	0.311	0.311	0.0	109	0.01
37	2-Methylnaphthalene	0.651	0.639	1.8	110	0.00
38	1-Methylnaphthalene	0.637	0.626	1.7	109	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	109	0.00
40	1,2,4,5-Tetrachlorobenzene	0.553	0.544	1.6	112	0.00
41 P	Hexachlorocyclopentadiene	0.142	0.131	7.7	102	0.00
42 S	2,4,6-Tribromophenol	0.199	0.198	0.5	112	0.00
43 C	2,4,6-Trichlorophenol	0.363	0.356	1.9	108	0.00
44	2,4,5-Trichlorophenol	0.397	0.394	0.8	111	0.01
45 S	2-Fluorobiphenyl	1.244	1.185	4.7	110	0.00
46	1,1'-Biphenyl	1.455	1.398	3.9	109	0.00
47	2-Chloronaphthalene	1.108	1.068	3.6	109	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
 Data File : BF140417.D
 Acq On : 16 Nov 2024 09:34
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Nov 18 00:04:05 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	0.361	1.9	108	0.00
49	Acenaphthylene	1.677	1.620	3.4	108	0.00
50	Dimethylphthalate	1.304	1.271	2.5	110	0.00
51	2,6-Dinitrotoluene	0.297	0.294	1.0	108	0.00
52 C	Acenaphthene	1.133	1.097	3.2	109	0.00
53	3-Nitroaniline	0.312	0.297	4.8	104	0.00
54 P	2,4-Dinitrophenol	0.153	0.163	-6.5	120	0.00
55	Dibenzofuran	1.603	1.546	3.6	108	0.00
56 P	4-Nitrophenol	0.228	0.221	3.1	102	0.02
57	2,4-Dinitrotoluene	0.391	0.391	0.0	110	0.00
58	Fluorene	1.267	1.222	3.6	111	0.00
59	2,3,4,6-Tetrachlorophenol	0.313	0.317	-1.3	109	0.00
60	Diethylphthalate	1.333	1.311	1.7	111	0.00
61	4-Chlorophenyl-phenylether	0.625	0.608	2.7	110	0.00
62	4-Nitroaniline	0.319	0.319	0.0	109	0.00
63	Azobenzene	1.317	1.252	4.9	106	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	109	0.00
65	4,6-Dinitro-2-methylphenol	0.108	0.118	-9.3	119	0.00
66 c	n-Nitrosodiphenylamine	0.578	0.561	2.9	110	0.00
67	4-Bromophenyl-phenylether	0.200	0.198	1.0	112	0.00
68	Hexachlorobenzene	0.225	0.224	0.4	112	0.00
69	Atrazine	0.175	0.153	12.6	116	0.00
70 C	Pentachlorophenol	0.121	0.122	-0.8	105	0.00
71	Phenanthrene	0.940	0.898	4.5	109	0.00
72	Anthracene	0.921	0.890	3.4	110	0.00
73	Carbazole	0.909	0.878	3.4	110	0.00
74	Di-n-butylphthalate	1.091	1.089	0.2	111	0.00
75 C	Fluoranthene	1.054	1.013	3.9	109	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	100	0.00
77	Benzydine	0.768	0.521	32.2#	80	0.00
78	Pyrene	1.711	1.804	-5.4	108	0.00
79 S	Terphenyl-d14	1.152	1.194	-3.6	107	0.00
80	Butylbenzylphthalate	0.657	0.725	-10.4	106	0.00
81	Benzo(a)anthracene	1.314	1.329	-1.1	106	0.00
82	3,3'-Dichlorobenzidine	0.418	0.396	5.3	99	0.00
83	Chrysene	1.199	1.120	6.6	96	0.00
84	Bis(2-ethylhexyl)phthalate	0.877	0.958	-9.2	104	0.00
85 c	Di-n-octyl phthalate	1.235	1.274	-3.2	99	-0.02
86 I	Perylene-d12	1.000	1.000	0.0	104	-0.01
87	Indeno(1,2,3-cd)pyrene	1.235	1.265	-2.4	105	0.00
88	Benzo(b)fluoranthene	1.308	1.209	7.6	100	0.00
89	Benzo(k)fluoranthene	1.069	1.063	0.6	105	-0.01
90 C	Benzo(a)pyrene	1.016	0.999	1.7	104	-0.01
91	Dibenzo(a,h)anthracene	1.021	1.050	-2.8	106	0.00
92	Benzo(g,h,i)perylene	1.044	1.054	-1.0	104	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
Data File : BF140417.D
Acq On : 16 Nov 2024 09:34
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Nov 18 00:04:05 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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
 Data File : BF140417.D
 Acq On : 16 Nov 2024 09:34
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Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	117	0.00
2	1,4-Dioxane	40.000	38.608	3.5	114	0.01
3	Pyridine	40.000	38.903	2.7	111	0.01
4	n-Nitrosodimethylamine	40.000	38.679	3.3	111	0.02
5 S	2-Fluorophenol	80.000	78.454	1.9	116	0.01
6	Aniline	40.000	34.173	14.6	95	0.00
7 S	Phenol-d6	80.000	77.144	3.6	111	0.02
8	2-Chlorophenol	40.000	39.489	1.3	115	0.00
9	Benzaldehyde	40.000	33.734	15.7	105	0.00
10 C	Phenol	40.000	37.755	5.6	107	0.01
11	bis(2-Chloroethyl)ether	40.000	39.048	2.4	114	0.00
12	1,3-Dichlorobenzene	40.000	40.148	-0.4	118	0.00
13 C	1,4-Dichlorobenzene	40.000	39.091	2.3	115	0.00
14	1,2-Dichlorobenzene	40.000	39.548	1.1	116	0.00
15	Benzyl Alcohol	40.000	39.455	1.4	109	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	36.798	8.0	103	0.00
17	2-Methylphenol	40.000	38.591	3.5	109	0.01
18	Hexachloroethane	40.000	39.154	2.1	115	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	37.372	6.6	106	0.00
20	3+4-Methylphenols	40.000	37.942	5.1	106	0.01
21 I	Naphthalene-d8	20.000	20.000	0.0	109	0.00
22	Acetophenone	40.000	39.001	2.5	110	0.00
23 S	Nitrobenzene-d5	80.000	78.395	2.0	109	0.00
24	Nitrobenzene	40.000	39.081	2.3	108	0.00
25	Isophorone	40.000	38.928	2.7	107	0.00
26 C	2-Nitrophenol	40.000	41.139	-2.8	111	0.00
27	2,4-Dimethylphenol	40.000	40.141	-0.4	111	0.00
28	bis(2-Chloroethoxy)methane	40.000	39.459	1.4	110	0.00
29 C	2,4-Dichlorophenol	40.000	39.458	1.4	109	0.00
30	1,2,4-Trichlorobenzene	40.000	39.752	0.6	112	0.00
31	Naphthalene	40.000	39.453	1.4	111	0.00
32	Benzoic acid	40.000	45.304	-13.3	116	0.02
33	4-Chloroaniline	40.000	34.870	12.8	98	0.00
34 C	Hexachlorobutadiene	40.000	39.687	0.8	111	0.00
35	Caprolactam	40.000	41.008	-2.5	113	0.00
36 C	4-Chloro-3-methylphenol	40.000	39.981	0.0	109	0.01
37	2-Methylnaphthalene	40.000	39.301	1.7	110	0.00
38	1-Methylnaphthalene	40.000	39.279	1.8	109	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	109	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	39.350	1.6	112	0.00
41 P	Hexachlorocyclopentadiene	40.000	36.835	7.9	102	0.00
42 S	2,4,6-Tribromophenol	80.000	79.764	0.3	112	0.00
43 C	2,4,6-Trichlorophenol	40.000	39.230	1.9	108	0.00
44	2,4,5-Trichlorophenol	40.000	39.696	0.8	111	0.01
45 S	2-Fluorobiphenyl	80.000	76.179	4.8	110	0.00
46	1,1'-Biphenyl	40.000	38.433	3.9	109	0.00
47	2-Chloronaphthalene	40.000	38.553	3.6	109	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
 Data File : BF140417.D
 Acq On : 16 Nov 2024 09:34
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
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Quant Time: Nov 18 00:04:05 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	39.329	1.7	108	0.00
49	Acenaphthylene	40.000	38.643	3.4	108	0.00
50	Dimethylphthalate	40.000	39.001	2.5	110	0.00
51	2,6-Dinitrotoluene	40.000	39.596	1.0	108	0.00
52 C	Acenaphthene	40.000	38.745	3.1	109	0.00
53	3-Nitroaniline	40.000	38.075	4.8	104	0.00
54 P	2,4-Dinitrophenol	40.000	42.441	-6.1	120	0.00
55	Dibenzofuran	40.000	38.569	3.6	108	0.00
56 P	4-Nitrophenol	40.000	38.806	3.0	102	0.02
57	2,4-Dinitrotoluene	40.000	40.012	-0.0	110	0.00
58	Fluorene	40.000	38.581	3.5	111	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	40.529	-1.3	109	0.00
60	Diethylphthalate	40.000	39.351	1.6	111	0.00
61	4-Chlorophenyl-phenylether	40.000	38.886	2.8	110	0.00
62	4-Nitroaniline	40.000	40.025	-0.1	109	0.00
63	Azobenzene	40.000	38.024	4.9	106	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	109	0.00
65	4,6-Dinitro-2-methylphenol	40.000	43.912	-9.8	119	0.00
66 c	n-Nitrosodiphenylamine	40.000	38.802	3.0	110	0.00
67	4-Bromophenyl-phenylether	40.000	39.654	0.9	112	0.00
68	Hexachlorobenzene	40.000	39.812	0.5	112	0.00
69	Atrazine	40.000	35.023	12.4	116	0.00
70 C	Pentachlorophenol	40.000	40.271	-0.7	105	0.00
71	Phenanthrene	40.000	38.224	4.4	109	0.00
72	Anthracene	40.000	38.679	3.3	110	0.00
73	Carbazole	40.000	38.618	3.5	110	0.00
74	Di-n-butylphthalate	40.000	39.934	0.2	111	0.00
75 C	Fluoranthene	40.000	38.456	3.9	109	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	100	0.00
77	Benzydine	40.000	27.139	32.2#	80	0.00
78	Pyrene	40.000	42.188	-5.5	108	0.00
79 S	Terphenyl-d14	80.000	82.901	-3.6	107	0.00
80	Butylbenzylphthalate	40.000	44.155	-10.4	106	0.00
81	Benzo(a)anthracene	40.000	40.455	-1.1	106	0.00
82	3,3'-Dichlorobenzidine	40.000	37.880	5.3	99	0.00
83	Chrysene	40.000	37.339	6.7	96	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	43.706	-9.3	104	0.00
85 c	Di-n-octyl phthalate	40.000	41.261	-3.2	99	-0.02
86 I	Perylene-d12	20.000	20.000	0.0	104	-0.01
87	Indeno(1,2,3-cd)pyrene	40.000	40.946	-2.4	105	0.00
88	Benzo(b)fluoranthene	40.000	36.971	7.6	100	0.00
89	Benzo(k)fluoranthene	40.000	39.773	0.6	105	-0.01
90 C	Benzo(a)pyrene	40.000	39.340	1.6	104	-0.01
91	Dibenzo(a,h)anthracene	40.000	41.141	-2.9	106	0.00
92	Benzo(g,h,i)perylene	40.000	40.399	-1.0	104	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
Data File : BF140417.D
Acq On : 16 Nov 2024 09:34
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Nov 18 00:04:05 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: JPC101

Lab Code: CHEM Case No.: P4768 SAS No.: P4768 SDG No.: P4768

Instrument ID: BNA_F Calibration Date/Time: 11/19/2024 10:34

Lab File ID: BF140463.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	1.209		3.2	
Benzaldehyde	0.951	1.383		45.4	
Phenol-d6	1.587	1.607		1.3	
Phenol	1.674	1.664		-0.6	20.0
bis(2-Chloroethyl)ether	1.268	1.312		3.5	
2-Chlorophenol	1.258	1.294		2.9	
2-Methylphenol	1.035	1.061		2.5	
2,2-oxybis(1-Chloropropane)	1.752	1.628		-7.1	
Acetophenone	0.465	0.479		3.0	
3+4-Methylphenols	1.295	1.288		-0.5	
n-Nitroso-di-n-propylamine	0.959	0.905	0.050	-5.6	
Nitrobenzene-d5	0.384	0.393		2.3	
Hexachloroethane	0.520	0.523		0.6	
Nitrobenzene	0.400	0.412		3.0	
Isophorone	0.680	0.671		-1.3	
2-Nitrophenol	0.177	0.189		6.8	20.0
2,4-Dimethylphenol	0.227	0.237		4.4	
bis(2-Chloroethoxy)methane	0.417	0.423		1.4	
2,4-Dichlorophenol	0.281	0.294		4.6	20.0
Naphthalene	1.015	1.055		3.9	
4-Chloroaniline	0.353	0.316		-10.5	
Hexachlorobutadiene	0.199	0.203		2.0	20.0
Caprolactam	0.093	0.097		4.3	
4-Chloro-3-methylphenol	0.311	0.321		3.2	20.0
2-Methylnaphthalene	0.651	0.665		2.2	
Hexachlorocyclopentadiene	0.142	0.127	0.050	-10.6	
2,4,6-Trichlorophenol	0.363	0.376		3.6	20.0
2-Fluorobiphenyl	1.244	1.257		1.0	
2,4,5-Trichlorophenol	0.397	0.420		5.8	
1,1-Biphenyl	1.455	1.490		2.4	
2-Chloronaphthalene	1.108	1.130		2.0	
2-Nitroaniline	0.368	0.379		3.0	
Dimethylphthalate	1.304	1.310		0.5	
Acenaphthylene	1.677	1.756		4.7	
2,6-Dinitrotoluene	0.297	0.312		5.1	
3-Nitroaniline	0.312	0.322		3.2	
Acenaphthene	1.133	1.176		3.8	20.0
2,4-Dinitrophenol	0.153	0.157	0.050	2.6	
4-Nitrophenol	0.228	0.229	0.050	0.4	



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: JPC101

Lab Code: CHEM Case No.: P4768 SAS No.: P4768 SDG No.: P4768

Instrument ID: BNA_F Calibration Date/Time: 11/19/2024 10:34

Lab File ID: BF140463.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
Dibenzofuran	1.603	1.660		3.6	
2,4-Dinitrotoluene	0.391	0.413		5.6	
Diethylphthalate	1.333	1.315		-1.4	
4-Chlorophenyl-phenylether	0.625	0.626		0.2	
Fluorene	1.267	1.293		2.1	
4-Nitroaniline	0.319	0.326		2.2	
4,6-Dinitro-2-methylphenol	0.108	0.117		8.3	
n-Nitrosodiphenylamine	0.578	0.588		1.7	20.0
2,4,6-Tribromophenol	0.199	0.209		5.0	
4-Bromophenyl-phenylether	0.200	0.204		2.0	
Hexachlorobenzene	0.225	0.231		2.7	
Atrazine	0.175	0.164		-6.3	
Pentachlorophenol	0.121	0.124		2.5	20.0
Phenanthrene	0.940	0.946		0.6	
Anthracene	0.921	0.941		2.2	
Carbazole	0.909	0.940		3.4	
Di-n-butylphthalate	1.091	1.073		-1.6	
Fluoranthene	1.054	1.081		2.6	20.0
Pyrene	1.711	1.689		-1.3	
Terphenyl-d14	1.152	1.112		-3.5	
Butylbenzylphthalate	0.657	0.669		1.8	
3,3-Dichlorobenzidine	0.418	0.391		-6.5	
Benzo (a) anthracene	1.314	1.336		1.7	
Chrysene	1.199	1.224		2.1	
Bis(2-ethylhexyl)phthalate	0.877	0.897		2.3	
Di-n-octyl phthalate	1.235	1.330		7.7	20.0
Benzo (b) fluoranthene	1.308	1.249		-4.5	
Benzo (k) fluoranthene	1.069	1.194		11.7	
Benzo (a) pyrene	1.016	1.051		3.4	20.0
Indeno (1,2,3-cd) pyrene	1.235	1.208		-2.2	
Dibenzo (a,h) anthracene	1.021	1.001		-2.0	
Benzo (g,h,i) perylene	1.044	1.009		-3.4	
1,2,4,5-Tetrachlorobenzene	0.553	0.568		2.7	
1,4-Dioxane	0.522	0.555		6.3	20.0
2,3,4,6-Tetrachlorophenol	0.313	0.333		6.4	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111924\
 Data File : BF140463.D
 Acq On : 19 Nov 2024 10:34
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Quant Time: Nov 19 11:22:03 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	137275	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	502770	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	278131	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	524892	20.000	ng	0.00
76) Chrysene-d12	14.069	240	344697	20.000	ng	0.02
86) Perylene-d12	15.592	264	292973	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	663687	82.547	ng	0.00
7) Phenol-d6	6.516	99	882242	80.992	ng	0.01
23) Nitrobenzene-d5	7.440	82	789635	81.831	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	232026	83.891	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	1398671	80.841	ng	0.00
79) Terphenyl-d14	12.986	244	1533801	77.238	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.628	88	152430	42.537	ng	98
3) Pyridine	3.399	79	359179	40.771	ng	99
4) n-Nitrosodimethylamine	3.352	42	178202	40.024	ng	99
6) Aniline	6.540	93	306329	32.327	ng	# 71
8) 2-Chlorophenol	6.663	128	355312	41.140	ng	99
9) Benzaldehyde	6.428	77	379695	58.159	ng	98
10) Phenol	6.528	94	456762	39.761	ng	92
11) bis(2-Chloroethyl)ether	6.610	93	360291	41.393	ng	99
12) 1,3-Dichlorobenzene	6.816	146	390276	40.956	ng	99
13) 1,4-Dichlorobenzene	6.893	146	394580	40.837	ng	99
14) 1,2-Dichlorobenzene	7.045	146	367478	40.968	ng	99
15) Benzyl Alcohol	7.016	79	304617	38.814	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.145	45	446921	37.173	ng	74
17) 2-Methylphenol	7.134	107	291201	40.987	ng	95
18) Hexachloroethane	7.381	117	143667	40.220	ng	97
19) n-Nitroso-di-n-propyla...	7.287	70	248549	37.779	ng	98
20) 3+4-Methylphenols	7.287	107	353697	39.808	ng	98
22) Acetophenone	7.281	105	481461	41.174	ng	98
24) Nitrobenzene	7.457	77	414561	41.263	ng	99
25) Isophorone	7.693	82	674821	39.459	ng	99
26) 2-Nitrophenol	7.769	139	189812	42.574	ng	99
27) 2,4-Dimethylphenol	7.810	122	238623m	41.806	ng	
28) bis(2-Chloroethoxy)met...	7.898	93	424967	40.525	ng	99
29) 2,4-Dichlorophenol	8.016	162	296033	41.966	ng	99
30) 1,2,4-Trichlorobenzene	8.092	180	324154	41.274	ng	99
31) Naphthalene	8.175	128	1061104	41.604	ng	100
32) Benzoic acid	7.928	122	207129	41.240	ng	97
33) 4-Chloroaniline	8.228	127	318018	35.854	ng	99
34) Hexachlorobutadiene	8.292	225	203622	40.692	ng	99
35) Caprolactam	8.592	113	97929	41.768	ng	95
36) 4-Chloro-3-methylphenol	8.710	107	322814	41.294	ng	99
37) 2-Methylnaphthalene	8.863	142	668387	40.870	ng	99
38) 1-Methylnaphthalene	8.963	142	651311	40.670	ng	99
40) 1,2,4,5-Tetrachloroben...	9.034	216	316136	41.103	ng	100
41) Hexachlorocyclopentadiene	9.016	237	70522	35.712	ng	99
43) 2,4,6-Trichlorophenol	9.145	196	209058	41.418	ng	97

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111924\
 Data File : BF140463.D
 Acq On : 19 Nov 2024 10:34
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Quant Time: Nov 19 11:22:03 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	9.192	196	233420	42.298	ng	98
46) 1,1'-Biphenyl	9.328	154	828742	40.958	ng	100
47) 2-Chloronaphthalene	9.357	162	628499	40.776	ng	99
48) 2-Nitroaniline	9.457	65	211034	41.284	ng	99
49) Acenaphthylene	9.775	152	976764	41.884	ng	99
50) Dimethylphthalate	9.628	163	728603	40.190	ng	100
51) 2,6-Dinitrotoluene	9.698	165	173335	41.940	ng	96
52) Acenaphthene	9.945	154	653976	41.519	ng	99
53) 3-Nitroaniline	9.869	138	179320	41.315	ng	100
54) 2,4-Dinitrophenol	9.975	184	87533	41.071	ng	99
55) Dibenzofuran	10.116	168	923161	41.402	ng	99
56) 4-Nitrophenol	10.039	139	127604	40.306	ng	96
57) 2,4-Dinitrotoluene	10.098	165	229473	42.188	ng	99
58) Fluorene	10.463	166	719198	40.829	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	185022	42.462	ng	97
60) Diethylphthalate	10.328	149	731254	39.447	ng	100
61) 4-Chlorophenyl-phenyle...	10.451	204	348055	40.023	ng	98
62) 4-Nitroaniline	10.481	138	181282	40.848	ng	98
63) Azobenzene	10.610	77	725554	39.612	ng	99
65) 4,6-Dinitro-2-methylph...	10.510	198	122672	43.438	ng	99
66) n-Nitrosodiphenylamine	10.569	169	617738	40.732	ng	100
67) 4-Bromophenyl-phenylether	10.939	248	213790	40.746	ng	100
68) Hexachlorobenzene	11.010	284	242463	41.071	ng	98
69) Atrazine	11.098	200	172031	37.493	ng	98
70) Pentachlorophenol	11.210	266	130516	41.043	ng	99
71) Phenanthrene	11.428	178	993168	40.279	ng	100
72) Anthracene	11.475	178	987613	40.869	ng	99
73) Carbazole	11.633	167	986550	41.346	ng	100
74) Di-n-butylphthalate	11.957	149	1126435	39.333	ng	100
75) Fluoranthene	12.616	202	1134677	41.018	ng	100
77) Benzidine	12.739	184	245364	18.546	ng	99
78) Pyrene	12.845	202	1164175	39.484	ng	100
80) Butylbenzylphthalate	13.463	149	461408	40.737	ng	97
81) Benzo(a)anthracene	14.057	228	921068	40.657	ng	100
82) 3,3'-Dichlorobenzidine	14.016	252	269822	37.472	ng	99
83) Chrysene	14.098	228	844108	40.837	ng	100
84) Bis(2-ethylhexyl)phtha...	14.039	149	618382	40.903	ng	99
85) Di-n-octyl phthalate	14.692	149	917056	43.070	ng	99
87) Indeno(1,2,3-cd)pyrene	17.110	276	708078	39.125	ng	99
88) Benzo(b)fluoranthene	15.157	252	731617	38.175	ng	99
89) Benzo(k)fluoranthene	15.186	252	699688	44.690	ng	99
90) Benzo(a)pyrene	15.533	252	615860	41.381	ng	99
91) Dibenzo(a,h)anthracene	17.121	278	586294	39.192	ng	99
92) Benzo(g,h,i)perylene	17.562	276	591110	38.651	ng	99

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

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

[illegible]

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111924\
 Data File : BF140463.D
 Acq On : 19 Nov 2024 10:34
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Nov 19 11:22:03 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	93	0.00
2	1,4-Dioxane	0.522	0.555	-6.3	101	0.00
3	Pyridine	1.283	1.308	-1.9	93	0.00
4	n-Nitrosodimethylamine	0.649	0.649	0.0	92	0.00
5 S	2-Fluorophenol	1.171	1.209	-3.2	98	0.00
6	Aniline	1.381	1.116	19.2	72	0.00
7 S	Phenol-d6	1.587	1.607	-1.3	93	0.01
8	2-Chlorophenol	1.258	1.294	-2.9	96	0.00
9	Benzaldehyde	0.951	1.383	-45.4#	145	0.00
10 C	Phenol	1.674	1.664	0.6	90	0.00
11	bis(2-Chloroethyl)ether	1.268	1.312	-3.5	97	0.00
12	1,3-Dichlorobenzene	1.388	1.422	-2.4	97	0.00
13 C	1,4-Dichlorobenzene	1.408	1.437	-2.1	96	0.00
14	1,2-Dichlorobenzene	1.307	1.338	-2.4	96	0.00
15	Benzyl Alcohol	1.143	1.110	2.9	85	0.00
16	2,2'-oxybis(1-Chloropropane	1.752	1.628	7.1	84	0.00
17	2-Methylphenol	1.035	1.061	-2.5	93	0.00
18	Hexachloroethane	0.520	0.523	-0.6	95	-0.01
19 P	n-Nitroso-di-n-propylamine	0.959	0.905	5.6	86	0.00
20	3+4-Methylphenols	1.294	1.288	0.5	89	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	85	0.00
22	Acetophenone	0.465	0.479	-3.0	91	0.00
23 S	Nitrobenzene-d5	0.384	0.393	-2.3	89	0.00
24	Nitrobenzene	0.400	0.412	-3.0	90	0.00
25	Isophorone	0.680	0.671	1.3	85	0.00
26 C	2-Nitrophenol	0.177	0.189	-6.8	90	0.00
27	2,4-Dimethylphenol	0.227	0.237	-4.4	91	0.00
28	bis(2-Chloroethoxy)methane	0.417	0.423	-1.4	89	0.00
29 C	2,4-Dichlorophenol	0.281	0.294	-4.6	91	0.00
30	1,2,4-Trichlorobenzene	0.312	0.322	-3.2	91	0.00
31	Naphthalene	1.015	1.055	-3.9	92	0.00
32	Benzoic acid	0.200	0.206	-3.0	83	0.00
33	4-Chloroaniline	0.353	0.316	10.5	79	0.00
34 C	Hexachlorobutadiene	0.199	0.203	-2.0	89	0.00
35	Caprolactam	0.093	0.097	-4.3	90	0.00
36 C	4-Chloro-3-methylphenol	0.311	0.321	-3.2	89	0.00
37	2-Methylnaphthalene	0.651	0.665	-2.2	90	0.00
38	1-Methylnaphthalene	0.637	0.648	-1.7	88	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	83	0.00
40	1,2,4,5-Tetrachlorobenzene	0.553	0.568	-2.7	89	0.00
41 P	Hexachlorocyclopentadiene	0.142	0.127	10.6	76	0.00
42 S	2,4,6-Tribromophenol	0.199	0.209	-5.0	90	0.00
43 C	2,4,6-Trichlorophenol	0.363	0.376	-3.6	87	0.00
44	2,4,5-Trichlorophenol	0.397	0.420	-5.8	90	0.00
45 S	2-Fluorobiphenyl	1.244	1.257	-1.0	89	0.00
46	1,1'-Biphenyl	1.455	1.490	-2.4	88	0.00
47	2-Chloronaphthalene	1.108	1.130	-2.0	88	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111924\
 Data File : BF140463.D
 Acq On : 19 Nov 2024 10:34
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Nov 19 11:22:03 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	0.379	-3.0	87	0.00
49	Acenaphthylene	1.677	1.756	-4.7	89	0.00
50	Dimethylphthalate	1.304	1.310	-0.5	86	0.00
51	2,6-Dinitrotoluene	0.297	0.312	-5.1	87	0.00
52 C	Acenaphthene	1.133	1.176	-3.8	89	0.00
53	3-Nitroaniline	0.312	0.322	-3.2	86	0.00
54 P	2,4-Dinitrophenol	0.153	0.157	-2.6	89	0.00
55	Dibenzofuran	1.603	1.660	-3.6	89	0.00
56 P	4-Nitrophenol	0.228	0.229	-0.4	81	0.02
57	2,4-Dinitrotoluene	0.391	0.413	-5.6	89	0.00
58	Fluorene	1.267	1.293	-2.1	89	0.00
59	2,3,4,6-Tetrachlorophenol	0.313	0.333	-6.4	87	0.00
60	Diethylphthalate	1.333	1.315	1.4	85	0.00
61	4-Chlorophenyl-phenylether	0.625	0.626	-0.2	86	0.00
62	4-Nitroaniline	0.319	0.326	-2.2	85	0.00
63	Azobenzene	1.317	1.304	1.0	84	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	84	0.00
65	4,6-Dinitro-2-methylphenol	0.108	0.117	-8.3	90	0.00
66 c	n-Nitrosodiphenylamine	0.578	0.588	-1.7	88	0.00
67	4-Bromophenyl-phenylether	0.200	0.204	-2.0	88	0.00
68	Hexachlorobenzene	0.225	0.231	-2.7	89	0.00
69	Atrazine	0.175	0.164	6.3	95	0.00
70 C	Pentachlorophenol	0.121	0.124	-2.5	82	0.00
71	Phenanthrene	0.940	0.946	-0.6	87	0.00
72	Anthracene	0.921	0.941	-2.2	88	0.00
73	Carbazole	0.909	0.940	-3.4	90	0.00
74	Di-n-butylphthalate	1.091	1.073	1.6	83	0.00
75 C	Fluoranthene	1.054	1.081	-2.6	89	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	89	0.02
77	Benzydine	0.768	0.356	53.6#	49#	0.00
78	Pyrene	1.711	1.689	1.3	90	0.00
79 S	Terphenyl-d14	1.152	1.112	3.5	88	0.00
80	Butylbenzylphthalate	0.657	0.669	-1.8	87	0.00
81	Benzo(a)anthracene	1.314	1.336	-1.7	94	0.02
82	3,3'-Dichlorobenzidine	0.418	0.391	6.5	87	0.02
83	Chrysene	1.199	1.224	-2.1	94	0.02
84	Bis(2-ethylhexyl)phthalate	0.877	0.897	-2.3	86	0.02
85 c	Di-n-octyl phthalate	1.235	1.330	-7.7	92	0.03
86 I	Perylene-d12	1.000	1.000	0.0	91	0.04
87	Indeno(1,2,3-cd)pyrene	1.235	1.208	2.2	87	0.05
88	Benzo(b)fluoranthene	1.308	1.249	4.5	90	0.04
89	Benzo(k)fluoranthene	1.069	1.194	-11.7	102	0.04
90 C	Benzo(a)pyrene	1.016	1.051	-3.4	95	0.04
91	Dibenzo(a,h)anthracene	1.021	1.001	2.0	87	0.05
92	Benzo(g,h,i)perylene	1.044	1.009	3.4	86	0.05

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111924\
Data File : BF140463.D
Acq On : 19 Nov 2024 10:34
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Nov 19 11:22:03 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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111924\
 Data File : BF140463.D
 Acq On : 19 Nov 2024 10:34
 Operator : RC/JU
 Sample : SSTDCCC040
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Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Nov 19 11:22:03 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	93	0.00
2	1,4-Dioxane	40.000	42.537	-6.3	101	0.00
3	Pyridine	40.000	40.771	-1.9	93	0.00
4	n-Nitrosodimethylamine	40.000	40.024	-0.1	92	0.00
5 S	2-Fluorophenol	80.000	82.547	-3.2	98	0.00
6	Aniline	40.000	32.327	19.2	72	0.00
7 S	Phenol-d6	80.000	80.992	-1.2	93	0.01
8	2-Chlorophenol	40.000	41.140	-2.9	96	0.00
9	Benzaldehyde	40.000	58.159	-45.4#	145	0.00
10 C	Phenol	40.000	39.761	0.6	90	0.00
11	bis(2-Chloroethyl)ether	40.000	41.393	-3.5	97	0.00
12	1,3-Dichlorobenzene	40.000	40.956	-2.4	97	0.00
13 C	1,4-Dichlorobenzene	40.000	40.837	-2.1	96	0.00
14	1,2-Dichlorobenzene	40.000	40.968	-2.4	96	0.00
15	Benzyl Alcohol	40.000	38.814	3.0	85	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	37.173	7.1	84	0.00
17	2-Methylphenol	40.000	40.987	-2.5	93	0.00
18	Hexachloroethane	40.000	40.220	-0.5	95	-0.01
19 P	n-Nitroso-di-n-propylamine	40.000	37.779	5.6	86	0.00
20	3+4-Methylphenols	40.000	39.808	0.5	89	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	85	0.00
22	Acetophenone	40.000	41.174	-2.9	91	0.00
23 S	Nitrobenzene-d5	80.000	81.831	-2.3	89	0.00
24	Nitrobenzene	40.000	41.263	-3.2	90	0.00
25	Isophorone	40.000	39.459	1.4	85	0.00
26 C	2-Nitrophenol	40.000	42.574	-6.4	90	0.00
27	2,4-Dimethylphenol	40.000	41.806	-4.5	91	0.00
28	bis(2-Chloroethoxy)methane	40.000	40.525	-1.3	89	0.00
29 C	2,4-Dichlorophenol	40.000	41.966	-4.9	91	0.00
30	1,2,4-Trichlorobenzene	40.000	41.274	-3.2	91	0.00
31	Naphthalene	40.000	41.604	-4.0	92	0.00
32	Benzoic acid	40.000	41.240	-3.1	83	0.00
33	4-Chloroaniline	40.000	35.854	10.4	79	0.00
34 C	Hexachlorobutadiene	40.000	40.692	-1.7	89	0.00
35	Caprolactam	40.000	41.768	-4.4	90	0.00
36 C	4-Chloro-3-methylphenol	40.000	41.294	-3.2	89	0.00
37	2-Methylnaphthalene	40.000	40.870	-2.2	90	0.00
38	1-Methylnaphthalene	40.000	40.670	-1.7	88	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	83	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	41.103	-2.8	89	0.00
41 P	Hexachlorocyclopentadiene	40.000	35.712	10.7	76	0.00
42 S	2,4,6-Tribromophenol	80.000	83.891	-4.9	90	0.00
43 C	2,4,6-Trichlorophenol	40.000	41.418	-3.5	87	0.00
44	2,4,5-Trichlorophenol	40.000	42.298	-5.7	90	0.00
45 S	2-Fluorobiphenyl	80.000	80.841	-1.1	89	0.00
46	1,1'-Biphenyl	40.000	40.958	-2.4	88	0.00
47	2-Chloronaphthalene	40.000	40.776	-1.9	88	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111924\
 Data File : BF140463.D
 Acq On : 19 Nov 2024 10:34
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Nov 19 11:22:03 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	41.284	-3.2	87	0.00
49	Acenaphthylene	40.000	41.884	-4.7	89	0.00
50	Dimethylphthalate	40.000	40.190	-0.5	86	0.00
51	2,6-Dinitrotoluene	40.000	41.940	-4.8	87	0.00
52 C	Acenaphthene	40.000	41.519	-3.8	89	0.00
53	3-Nitroaniline	40.000	41.315	-3.3	86	0.00
54 P	2,4-Dinitrophenol	40.000	41.071	-2.7	89	0.00
55	Dibenzofuran	40.000	41.402	-3.5	89	0.00
56 P	4-Nitrophenol	40.000	40.306	-0.8	81	0.02
57	2,4-Dinitrotoluene	40.000	42.188	-5.5	89	0.00
58	Fluorene	40.000	40.829	-2.1	89	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	42.462	-6.2	87	0.00
60	Diethylphthalate	40.000	39.447	1.4	85	0.00
61	4-Chlorophenyl-phenylether	40.000	40.023	-0.1	86	0.00
62	4-Nitroaniline	40.000	40.848	-2.1	85	0.00
63	Azobenzene	40.000	39.612	1.0	84	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	84	0.00
65	4,6-Dinitro-2-methylphenol	40.000	43.438	-8.6	90	0.00
66 c	n-Nitrosodiphenylamine	40.000	40.732	-1.8	88	0.00
67	4-Bromophenyl-phenylether	40.000	40.746	-1.9	88	0.00
68	Hexachlorobenzene	40.000	41.071	-2.7	89	0.00
69	Atrazine	40.000	37.493	6.3	95	0.00
70 C	Pentachlorophenol	40.000	41.043	-2.6	82	0.00
71	Phenanthrene	40.000	40.279	-0.7	87	0.00
72	Anthracene	40.000	40.869	-2.2	88	0.00
73	Carbazole	40.000	41.346	-3.4	90	0.00
74	Di-n-butylphthalate	40.000	39.333	1.7	83	0.00
75 C	Fluoranthene	40.000	41.018	-2.5	89	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	89	0.02
77	Benzydine	40.000	18.546	53.6#	49	0.00
78	Pyrene	40.000	39.484	1.3	90	0.00
79 S	Terphenyl-d14	80.000	77.238	3.5	88	0.00
80	Butylbenzylphthalate	40.000	40.737	-1.8	87	0.00
81	Benzo(a)anthracene	40.000	40.657	-1.6	94	0.02
82	3,3'-Dichlorobenzidine	40.000	37.472	6.3	87	0.02
83	Chrysene	40.000	40.837	-2.1	94	0.02
84	Bis(2-ethylhexyl)phthalate	40.000	40.903	-2.3	86	0.02
85 c	Di-n-octyl phthalate	40.000	43.070	-7.7	92	0.03
86 I	Perylene-d12	20.000	20.000	0.0	91	0.04
87	Indeno(1,2,3-cd)pyrene	40.000	39.125	2.2	87	0.05
88	Benzo(b)fluoranthene	40.000	38.175	4.6	90	0.04
89	Benzo(k)fluoranthene	40.000	44.690	-11.7	102	0.04
90 C	Benzo(a)pyrene	40.000	41.381	-3.5	95	0.04
91	Dibenzo(a,h)anthracene	40.000	39.192	2.0	87	0.05
92	Benzo(g,h,i)perylene	40.000	38.651	3.4	86	0.05

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111924\
Data File : BF140463.D
Acq On : 19 Nov 2024 10:34
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Nov 19 11:22:03 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: JPC101

Lab Code: CHEM Case No.: P4768 SAS No.: P4768 SDG No.: P4768

Instrument ID: BNA_F Calibration Date/Time: 11/20/2024 15:59

Lab File ID: BF140501.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	1.206		3.0	
Benzaldehyde	0.951	1.414		48.7	
Phenol-d6	1.587	1.601		0.9	
Phenol	1.674	1.671		-0.2	20.0
bis(2-Chloroethyl)ether	1.268	1.316		3.8	
2-Chlorophenol	1.258	1.293		2.8	
2-Methylphenol	1.035	1.046		1.1	
2,2-oxybis(1-Chloropropane)	1.752	1.618		-7.6	
Acetophenone	0.465	0.469		0.9	
3+4-Methylphenols	1.295	1.291		-0.3	
n-Nitroso-di-n-propylamine	0.959	0.908	0.050	-5.3	
Nitrobenzene-d5	0.384	0.393		2.3	
Hexachloroethane	0.520	0.541		4.0	
Nitrobenzene	0.400	0.413		3.3	
Isophorone	0.680	0.677		-0.4	
2-Nitrophenol	0.177	0.190		7.3	20.0
2,4-Dimethylphenol	0.227	0.234		3.1	
bis(2-Chloroethoxy)methane	0.417	0.417		0.0	
2,4-Dichlorophenol	0.281	0.294		4.6	20.0
Naphthalene	1.015	1.038		2.3	
4-Chloroaniline	0.353	0.305		-13.6	
Hexachlorobutadiene	0.199	0.207		4.0	20.0
Caprolactam	0.093	0.095		2.2	
4-Chloro-3-methylphenol	0.311	0.317		1.9	20.0
2-Methylnaphthalene	0.651	0.658		1.1	
Hexachlorocyclopentadiene	0.142	0.127	0.050	-10.6	
2,4,6-Trichlorophenol	0.363	0.378		4.1	20.0
2-Fluorobiphenyl	1.244	1.264		1.6	
2,4,5-Trichlorophenol	0.397	0.416		4.8	
1,1-Biphenyl	1.455	1.494		2.7	
2-Chloronaphthalene	1.108	1.143		3.2	
2-Nitroaniline	0.368	0.382		3.8	
Dimethylphthalate	1.304	1.338		2.6	
Acenaphthylene	1.677	1.745		4.1	
2,6-Dinitrotoluene	0.297	0.313		5.4	
3-Nitroaniline	0.312	0.313		0.3	
Acenaphthene	1.133	1.181		4.2	20.0
2,4-Dinitrophenol	0.153	0.153	0.050	0.0	
4-Nitrophenol	0.228	0.220	0.050	-3.5	



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: JPC101

Lab Code: CHEM Case No.: P4768 SAS No.: P4768 SDG No.: P4768

Instrument ID: BNA_F Calibration Date/Time: 11/20/2024 15:59

Lab File ID: BF140501.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
Dibenzofuran	1.603	1.635		2.0	
2,4-Dinitrotoluene	0.391	0.418		6.9	
Diethylphthalate	1.333	1.348		1.1	
4-Chlorophenyl-phenylether	0.625	0.637		1.9	
Fluorene	1.267	1.308		3.2	
4-Nitroaniline	0.319	0.312		-2.2	
4,6-Dinitro-2-methylphenol	0.108	0.122		13.0	
n-Nitrosodiphenylamine	0.578	0.589		1.9	20.0
2,4,6-Tribromophenol	0.199	0.209		5.0	
4-Bromophenyl-phenylether	0.200	0.205		2.5	
Hexachlorobenzene	0.225	0.230		2.2	
Atrazine	0.175	0.150		-14.3	
Pentachlorophenol	0.121	0.121		0.0	20.0
Phenanthrene	0.940	0.938		-0.2	
Anthracene	0.921	0.933		1.3	
Carbazole	0.909	0.912		0.3	
Di-n-butylphthalate	1.091	1.080		-1.0	
Fluoranthene	1.054	1.030		-2.3	20.0
Pyrene	1.711	1.843		7.7	
Terphenyl-d14	1.152	1.233		7.0	
Butylbenzylphthalate	0.657	0.698		6.2	
3,3-Dichlorobenzidine	0.418	0.413		-1.2	
Benzo (a) anthracene	1.314	1.378		4.9	
Chrysene	1.199	1.184		-1.3	
Bis(2-ethylhexyl)phthalate	0.877	0.903		3.0	
Di-n-octyl phthalate	1.235	1.287		4.2	20.0
Benzo (b) fluoranthene	1.308	1.302		-0.5	
Benzo (k) fluoranthene	1.069	1.034		-3.3	
Benzo (a) pyrene	1.016	1.037		2.1	20.0
Indeno (1,2,3-cd) pyrene	1.235	1.266		2.5	
Dibenzo (a,h) anthracene	1.021	1.045		2.4	
Benzo (g,h,i) perylene	1.044	1.064		1.9	
1,2,4,5-Tetrachlorobenzene	0.553	0.576		4.2	
1,4-Dioxane	0.522	0.543		4.0	20.0
2,3,4,6-Tetrachlorophenol	0.313	0.330		5.4	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
 Data File : BF140501.D
 Acq On : 20 Nov 2024 15:59
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Manual Integrations
 APPROVED

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

Quant Time: Nov 20 16:43:30 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	136554	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	508396	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	278192	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	526085	20.000	ng	0.00
76) Chrysene-d12	14.045	240	294226	20.000	ng	0.00
86) Perylene-d12	15.533	264	277583	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	658550	82.341	ng	0.00
7) Phenol-d6	6.516	99	874697	80.723	ng	0.01
23) Nitrobenzene-d5	7.440	82	799594	81.946	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	232158	83.921	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	1406445	81.272	ng	0.00
79) Terphenyl-d14	12.986	244	1450760	85.588	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.634	88	148229	41.583	ng	98
3) Pyridine	3.410	79	337687	38.534	ng	99
4) n-Nitrosodimethylamine	3.363	42	177689	40.119	ng	98
6) Aniline	6.540	93	298762	31.695	ng	# 45
8) 2-Chlorophenol	6.663	128	353128	41.103	ng	100
9) Benzaldehyde	6.428	77	386187	59.466	ng	99
10) Phenol	6.534	94	456281	39.929	ng	85
11) bis(2-Chloroethyl)ether	6.610	93	359301	41.497	ng	99
12) 1,3-Dichlorobenzene	6.816	146	392904	41.450	ng	100
13) 1,4-Dichlorobenzene	6.893	146	394309	41.024	ng	99
14) 1,2-Dichlorobenzene	7.045	146	367537	41.191	ng	99
15) Benzyl Alcohol	7.016	79	314585	40.296	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.145	45	441842	36.944	ng	57
17) 2-Methylphenol	7.134	107	285631	40.415	ng	95
18) Hexachloroethane	7.387	117	147863	41.613	ng	100
19) n-Nitroso-di-n-propyla...	7.287	70	248117	37.913	ng	100
20) 3+4-Methylphenols	7.287	107	352594	39.893	ng	# 90
22) Acetophenone	7.281	105	477359	40.371	ng	# 98
24) Nitrobenzene	7.457	77	419522	41.294	ng	99
25) Isophorone	7.692	82	688455	39.810	ng	100
26) 2-Nitrophenol	7.775	139	193108	42.834	ng	97
27) 2,4-Dimethylphenol	7.810	122	237712m	41.186	ng	
28) bis(2-Chloroethoxy)met...	7.904	93	424418	40.025	ng	100
29) 2,4-Dichlorophenol	8.022	162	298717	41.877	ng	99
30) 1,2,4-Trichlorobenzene	8.098	180	328407	41.353	ng	100
31) Naphthalene	8.181	128	1055886	40.942	ng	100
32) Benzoic acid	7.940	122	205294	40.422	ng	98
33) 4-Chloroaniline	8.234	127	310449	34.613	ng	98
34) Hexachlorobutadiene	8.292	225	210038	41.510	ng	99
35) Caprolactam	8.598	113	97010	40.918	ng	96
36) 4-Chloro-3-methylphenol	8.716	107	322093	40.746	ng	98
37) 2-Methylnaphthalene	8.869	142	668766	40.441	ng	100
38) 1-Methylnaphthalene	8.969	142	651971	40.261	ng	99
40) 1,2,4,5-Tetrachloroben...	9.034	216	320411	41.650	ng	100
41) Hexachlorocyclopentadiene	9.016	237	70490	35.688	ng	100
43) 2,4,6-Trichlorophenol	9.151	196	210199	41.635	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
 Data File : BF140501.D
 Acq On : 20 Nov 2024 15:59
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/22/2024

Quant Time: Nov 20 16:43:30 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	9.198	196	231494	41.939	ng	98
46) 1,1'-Biphenyl	9.334	154	831126	41.067	ng	99
47) 2-Chloronaphthalene	9.357	162	636215	41.268	ng	99
48) 2-Nitroaniline	9.457	65	212637	41.589	ng	99
49) Acenaphthylene	9.775	152	971132	41.634	ng	100
50) Dimethylphthalate	9.634	163	744636	41.066	ng	100
51) 2,6-Dinitrotoluene	9.698	165	173934	42.076	ng	98
52) Acenaphthene	9.945	154	656832	41.692	ng	99
53) 3-Nitroaniline	9.869	138	174247	40.137	ng	96
54) 2,4-Dinitrophenol	9.981	184	85216	39.975	ng	96
55) Dibenzofuran	10.116	168	909462	40.778	ng	100
56) 4-Nitrophenol	10.039	139	122321	38.628	ng	98
57) 2,4-Dinitrotoluene	10.104	165	232839	42.797	ng	99
58) Fluorene	10.463	166	727859	41.312	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.239	232	183532	42.111	ng	99
60) Diethylphthalate	10.328	149	749917	40.445	ng	99
61) 4-Chlorophenyl-phenyle...	10.451	204	354149	40.715	ng	100
62) 4-Nitroaniline	10.486	138	173374	39.058	ng	96
63) Azobenzene	10.610	77	724772	39.561	ng	99
65) 4,6-Dinitro-2-methylph...	10.516	198	128673	45.460	ng	93
66) n-Nitrosodiphenylamine	10.569	169	619373	40.747	ng	99
67) 4-Bromophenyl-phenylether	10.939	248	216149	41.102	ng	98
68) Hexachlorobenzene	11.010	284	242459	40.977	ng	99
69) Atrazine	11.098	200	157699	34.291	ng	99
70) Pentachlorophenol	11.210	266	126906	39.817	ng	99
71) Phenanthrene	11.428	178	987185	39.946	ng	100
72) Anthracene	11.480	178	981837	40.538	ng	100
73) Carbazole	11.633	167	959121	40.105	ng	99
74) Di-n-butylphthalate	11.957	149	1136061	39.579	ng	100
75) Fluoranthene	12.616	202	1083488	39.078	ng	100
77) Benzidine	12.739	184	364136	32.246	ng	99
78) Pyrene	12.845	202	1084803	43.104	ng	100
80) Butylbenzylphthalate	13.457	149	410539	42.464	ng	99
81) Benzo(a)anthracene	14.033	228	810665	41.922	ng	100
82) 3,3'-Dichlorobenzidine	13.998	252	242862	39.513	ng	98
83) Chrysene	14.074	228	697007	39.505	ng	100
84) Bis(2-ethylhexyl)phtha...	14.016	149	531226	41.166	ng	99
85) Di-n-octyl phthalate	14.633	149	757391	41.673	ng	99
87) Indeno(1,2,3-cd)pyrene	17.045	276	703084	41.003	ng	100
88) Benzo(b)fluoranthene	15.098	252	722822	39.807	ng	99
89) Benzo(k)fluoranthene	15.127	252	574185	38.708	ng	98
90) Benzo(a)pyrene	15.474	252	575687	40.826	ng	99
91) Dibenzo(a,h)anthracene	17.057	278	580162	40.932	ng	100
92) Benzo(g,h,i)perylene	17.498	276	590600	40.759	ng	99

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

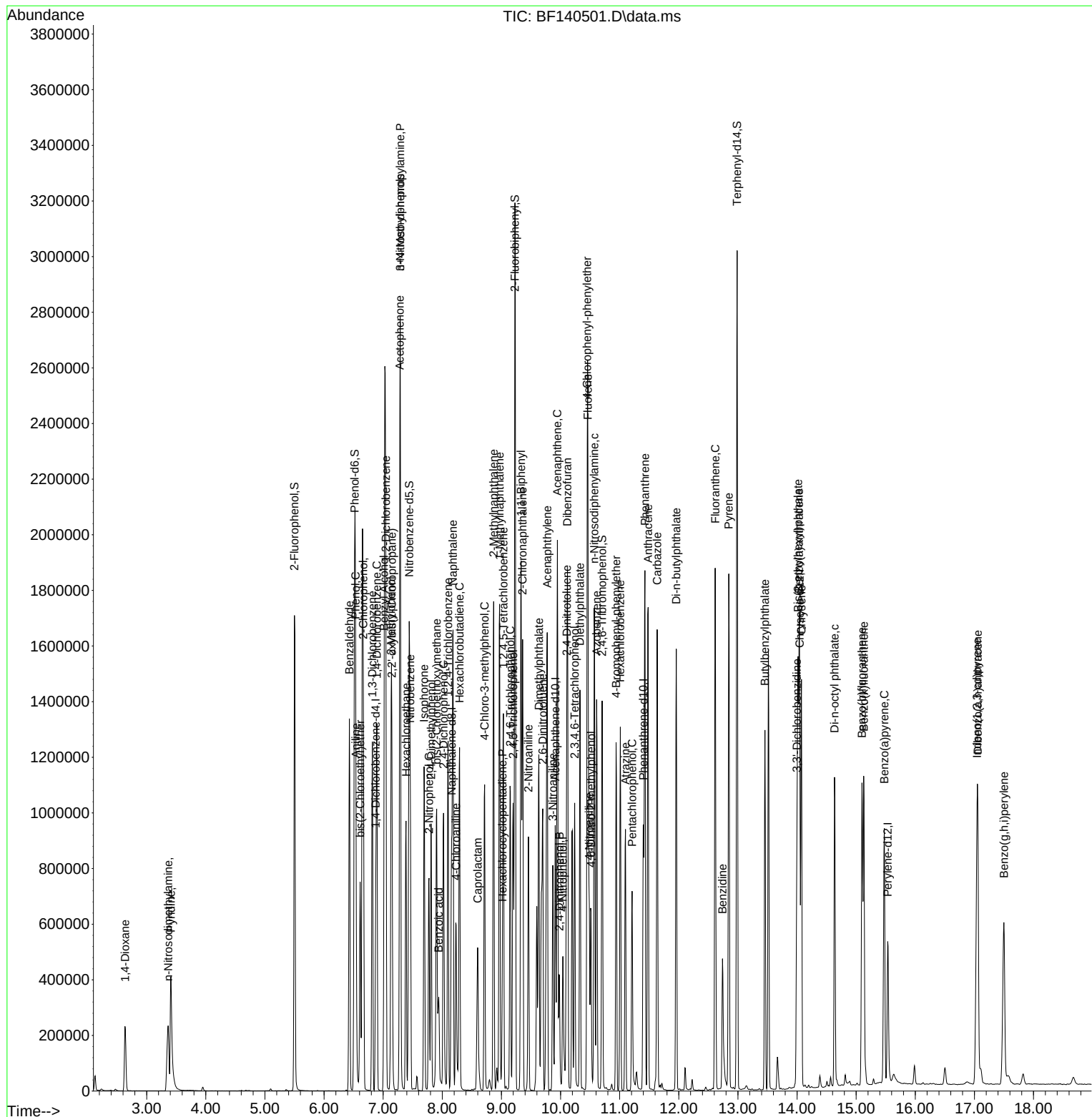
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140501.D
Acq On : 20 Nov 2024 15:59
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

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

Quant Time: Nov 20 16:43:30 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
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Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	93	0.00
2	1,4-Dioxane	0.522	0.543	-4.0	98	0.00
3	Pyridine	1.283	1.236	3.7	87	0.00
4	n-Nitrosodimethylamine	0.649	0.651	-0.3	92	0.00
5 S	2-Fluorophenol	1.171	1.206	-3.0	97	0.00
6	Aniline	1.381	1.094	20.8	70	0.00
7 S	Phenol-d6	1.587	1.601	-0.9	93	0.01
8	2-Chlorophenol	1.258	1.293	-2.8	95	0.00
9	Benzaldehyde	0.951	1.414	-48.7#	147	0.00
10 C	Phenol	1.674	1.671	0.2	90	0.01
11	bis(2-Chloroethyl)ether	1.268	1.316	-3.8	97	0.00
12	1,3-Dichlorobenzene	1.388	1.439	-3.7	97	0.00
13 C	1,4-Dichlorobenzene	1.408	1.444	-2.6	96	0.00
14	1,2-Dichlorobenzene	1.307	1.346	-3.0	96	0.00
15	Benzyl Alcohol	1.143	1.152	-0.8	88	0.00
16	2,2'-oxybis(1-Chloropropane	1.752	1.618	7.6	83	0.00
17	2-Methylphenol	1.035	1.046	-1.1	91	0.00
18	Hexachloroethane	0.520	0.541	-4.0	98	0.00
19 P	n-Nitroso-di-n-propylamine	0.959	0.908	5.3	86	0.00
20	3+4-Methylphenols	1.294	1.291	0.2	89	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	86	0.00
22	Acetophenone	0.465	0.469	-0.9	90	0.00
23 S	Nitrobenzene-d5	0.384	0.393	-2.3	90	0.00
24	Nitrobenzene	0.400	0.413	-3.2	91	0.00
25	Isophorone	0.680	0.677	0.4	87	0.00
26 C	2-Nitrophenol	0.177	0.190	-7.3	92	0.00
27	2,4-Dimethylphenol	0.227	0.234	-3.1	91	0.00
28	bis(2-Chloroethoxy)methane	0.417	0.417	0.0	89	0.00
29 C	2,4-Dichlorophenol	0.281	0.294	-4.6	92	0.00
30	1,2,4-Trichlorobenzene	0.312	0.323	-3.5	92	0.00
31	Naphthalene	1.015	1.038	-2.3	91	0.00
32	Benzoic acid	0.200	0.202	-1.0	82	0.01
33	4-Chloroaniline	0.353	0.305	13.6	78	0.00
34 C	Hexachlorobutadiene	0.199	0.207	-4.0	92	0.00
35	Caprolactam	0.093	0.095	-2.2	90	0.00
36 C	4-Chloro-3-methylphenol	0.311	0.317	-1.9	88	0.01
37	2-Methylnaphthalene	0.651	0.658	-1.1	90	0.00
38	1-Methylnaphthalene	0.637	0.641	-0.6	88	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	83	0.00
40	1,2,4,5-Tetrachlorobenzene	0.553	0.576	-4.2	90	0.00
41 P	Hexachlorocyclopentadiene	0.142	0.127	10.6	76	0.00
42 S	2,4,6-Tribromophenol	0.199	0.209	-5.0	90	0.00
43 C	2,4,6-Trichlorophenol	0.363	0.378	-4.1	87	0.00
44	2,4,5-Trichlorophenol	0.397	0.416	-4.8	89	0.01
45 S	2-Fluorobiphenyl	1.244	1.264	-1.6	90	0.00
46	1,1'-Biphenyl	1.455	1.494	-2.7	88	0.00
47	2-Chloronaphthalene	1.108	1.143	-3.2	89	0.00

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Quant Time: Nov 20 16:43:30 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	0.382	-3.8	87	0.00
49	Acenaphthylene	1.677	1.745	-4.1	89	0.00
50	Dimethylphthalate	1.304	1.338	-2.6	88	0.00
51	2,6-Dinitrotoluene	0.297	0.313	-5.4	87	0.00
52 C	Acenaphthene	1.133	1.181	-4.2	90	0.00
53	3-Nitroaniline	0.312	0.313	-0.3	84	0.00
54 P	2,4-Dinitrophenol	0.153	0.153	0.0	86	0.00
55	Dibenzofuran	1.603	1.635	-2.0	87	0.00
56 P	4-Nitrophenol	0.228	0.220	3.5	77	0.02
57	2,4-Dinitrotoluene	0.391	0.418	-6.9	90	0.00
58	Fluorene	1.267	1.308	-3.2	91	0.00
59	2,3,4,6-Tetrachlorophenol	0.313	0.330	-5.4	86	0.00
60	Diethylphthalate	1.333	1.348	-1.1	87	0.00
61	4-Chlorophenyl-phenylether	0.625	0.637	-1.9	88	0.00
62	4-Nitroaniline	0.319	0.312	2.2	81	0.00
63	Azobenzene	1.317	1.303	1.1	84	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	84	0.00
65	4,6-Dinitro-2-methylphenol	0.108	0.122	-13.0	94	0.00
66 c	n-Nitrosodiphenylamine	0.578	0.589	-1.9	88	0.00
67	4-Bromophenyl-phenylether	0.200	0.205	-2.5	89	0.00
68	Hexachlorobenzene	0.225	0.230	-2.2	89	0.00
69	Atrazine	0.175	0.150	14.3	87	0.00
70 C	Pentachlorophenol	0.121	0.121	0.0	79	0.00
71	Phenanthrene	0.940	0.938	0.2	87	0.00
72	Anthracene	0.921	0.933	-1.3	88	0.00
73	Carbazole	0.909	0.912	-0.3	87	0.00
74	Di-n-butylphthalate	1.091	1.080	1.0	84	0.00
75 C	Fluoranthene	1.054	1.030	2.3	85	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	76	0.00
77	Benzydine	0.768	0.619	19.4	72	0.00
78	Pyrene	1.711	1.843	-7.7	84	0.00
79 S	Terphenyl-d14	1.152	1.233	-7.0	84	0.00
80	Butylbenzylphthalate	0.657	0.698	-6.2	77	0.00
81	Benzo(a)anthracene	1.314	1.378	-4.9	83	0.00
82	3,3'-Dichlorobenzidine	0.418	0.413	1.2	78	0.00
83	Chrysene	1.199	1.184	1.3	77	0.00
84	Bis(2-ethylhexyl)phthalate	0.877	0.903	-3.0	74	0.00
85 c	Di-n-octyl phthalate	1.235	1.287	-4.2	76	-0.03
86 I	Perylene-d12	1.000	1.000	0.0	86	-0.02
87	Indeno(1,2,3-cd)pyrene	1.235	1.266	-2.5	87	-0.01
88	Benzo(b)fluoranthene	1.308	1.302	0.5	89	-0.02
89	Benzo(k)fluoranthene	1.069	1.034	3.3	84	-0.02
90 C	Benzo(a)pyrene	1.016	1.037	-2.1	89	-0.02
91	Dibenzo(a,h)anthracene	1.021	1.045	-2.4	87	-0.02
92	Benzo(g,h,i)perylene	1.044	1.064	-1.9	86	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
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Quant Time: Nov 20 16:43:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
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Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	93	0.00
2	1,4-Dioxane	40.000	41.583	-4.0	98	0.00
3	Pyridine	40.000	38.534	3.7	87	0.00
4	n-Nitrosodimethylamine	40.000	40.119	-0.3	92	0.00
5 S	2-Fluorophenol	80.000	82.341	-2.9	97	0.00
6	Aniline	40.000	31.695	20.8	70	0.00
7 S	Phenol-d6	80.000	80.723	-0.9	93	0.01
8	2-Chlorophenol	40.000	41.103	-2.8	95	0.00
9	Benzaldehyde	40.000	59.466	-48.7#	147	0.00
10 C	Phenol	40.000	39.929	0.2	90	0.01
11	bis(2-Chloroethyl)ether	40.000	41.497	-3.7	97	0.00
12	1,3-Dichlorobenzene	40.000	41.450	-3.6	97	0.00
13 C	1,4-Dichlorobenzene	40.000	41.024	-2.6	96	0.00
14	1,2-Dichlorobenzene	40.000	41.191	-3.0	96	0.00
15	Benzyl Alcohol	40.000	40.296	-0.7	88	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	36.944	7.6	83	0.00
17	2-Methylphenol	40.000	40.415	-1.0	91	0.00
18	Hexachloroethane	40.000	41.613	-4.0	98	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	37.913	5.2	86	0.00
20	3+4-Methylphenols	40.000	39.893	0.3	89	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	86	0.00
22	Acetophenone	40.000	40.371	-0.9	90	0.00
23 S	Nitrobenzene-d5	80.000	81.946	-2.4	90	0.00
24	Nitrobenzene	40.000	41.294	-3.2	91	0.00
25	Isophorone	40.000	39.810	0.5	87	0.00
26 C	2-Nitrophenol	40.000	42.834	-7.1	92	0.00
27	2,4-Dimethylphenol	40.000	41.186	-3.0	91	0.00
28	bis(2-Chloroethoxy)methane	40.000	40.025	-0.1	89	0.00
29 C	2,4-Dichlorophenol	40.000	41.877	-4.7	92	0.00
30	1,2,4-Trichlorobenzene	40.000	41.353	-3.4	92	0.00
31	Naphthalene	40.000	40.942	-2.4	91	0.00
32	Benzoic acid	40.000	40.422	-1.1	82	0.01
33	4-Chloroaniline	40.000	34.613	13.5	78	0.00
34 C	Hexachlorobutadiene	40.000	41.510	-3.8	92	0.00
35	Caprolactam	40.000	40.918	-2.3	90	0.00
36 C	4-Chloro-3-methylphenol	40.000	40.746	-1.9	88	0.01
37	2-Methylnaphthalene	40.000	40.441	-1.1	90	0.00
38	1-Methylnaphthalene	40.000	40.261	-0.7	88	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	83	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	41.650	-4.1	90	0.00
41 P	Hexachlorocyclopentadiene	40.000	35.688	10.8	76	0.00
42 S	2,4,6-Tribromophenol	80.000	83.921	-4.9	90	0.00
43 C	2,4,6-Trichlorophenol	40.000	41.635	-4.1	87	0.00
44	2,4,5-Trichlorophenol	40.000	41.939	-4.8	89	0.01
45 S	2-Fluorobiphenyl	80.000	81.272	-1.6	90	0.00
46	1,1'-Biphenyl	40.000	41.067	-2.7	88	0.00
47	2-Chloronaphthalene	40.000	41.268	-3.2	89	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
 Data File : BF140501.D
 Acq On : 20 Nov 2024 15:59
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Nov 20 16:43:30 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	41.589	-4.0	87	0.00
49	Acenaphthylene	40.000	41.634	-4.1	89	0.00
50	Dimethylphthalate	40.000	41.066	-2.7	88	0.00
51	2,6-Dinitrotoluene	40.000	42.076	-5.2	87	0.00
52 C	Acenaphthene	40.000	41.692	-4.2	90	0.00
53	3-Nitroaniline	40.000	40.137	-0.3	84	0.00
54 P	2,4-Dinitrophenol	40.000	39.975	0.1	86	0.00
55	Dibenzofuran	40.000	40.778	-1.9	87	0.00
56 P	4-Nitrophenol	40.000	38.628	3.4	77	0.02
57	2,4-Dinitrotoluene	40.000	42.797	-7.0	90	0.00
58	Fluorene	40.000	41.312	-3.3	91	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	42.111	-5.3	86	0.00
60	Diethylphthalate	40.000	40.445	-1.1	87	0.00
61	4-Chlorophenyl-phenylether	40.000	40.715	-1.8	88	0.00
62	4-Nitroaniline	40.000	39.058	2.4	81	0.00
63	Azobenzene	40.000	39.561	1.1	84	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	84	0.00
65	4,6-Dinitro-2-methylphenol	40.000	45.460	-13.7	94	0.00
66 c	n-Nitrosodiphenylamine	40.000	40.747	-1.9	88	0.00
67	4-Bromophenyl-phenylether	40.000	41.102	-2.8	89	0.00
68	Hexachlorobenzene	40.000	40.977	-2.4	89	0.00
69	Atrazine	40.000	34.291	14.3	87	0.00
70 C	Pentachlorophenol	40.000	39.817	0.5	79	0.00
71	Phenanthrene	40.000	39.946	0.1	87	0.00
72	Anthracene	40.000	40.538	-1.3	88	0.00
73	Carbazole	40.000	40.105	-0.3	87	0.00
74	Di-n-butylphthalate	40.000	39.579	1.1	84	0.00
75 C	Fluoranthene	40.000	39.078	2.3	85	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	76	0.00
77	Benzydine	40.000	32.246	19.4	72	0.00
78	Pyrene	40.000	43.104	-7.8	84	0.00
79 S	Terphenyl-d14	80.000	85.588	-7.0	84	0.00
80	Butylbenzylphthalate	40.000	42.464	-6.2	77	0.00
81	Benzo(a)anthracene	40.000	41.922	-4.8	83	0.00
82	3,3'-Dichlorobenzidine	40.000	39.513	1.2	78	0.00
83	Chrysene	40.000	39.505	1.2	77	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	41.166	-2.9	74	0.00
85 c	Di-n-octyl phthalate	40.000	41.673	-4.2	76	-0.03
86 I	Perylene-d12	20.000	20.000	0.0	86	-0.02
87	Indeno(1,2,3-cd)pyrene	40.000	41.003	-2.5	87	-0.01
88	Benzo(b)fluoranthene	40.000	39.807	0.5	89	-0.02
89	Benzo(k)fluoranthene	40.000	38.708	3.2	84	-0.02
90 C	Benzo(a)pyrene	40.000	40.826	-2.1	89	-0.02
91	Dibenzo(a,h)anthracene	40.000	40.932	-2.3	87	-0.02
92	Benzo(g,h,i)perylene	40.000	40.759	-1.9	86	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140501.D
Acq On : 20 Nov 2024 15:59
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Nov 20 16:43:30 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



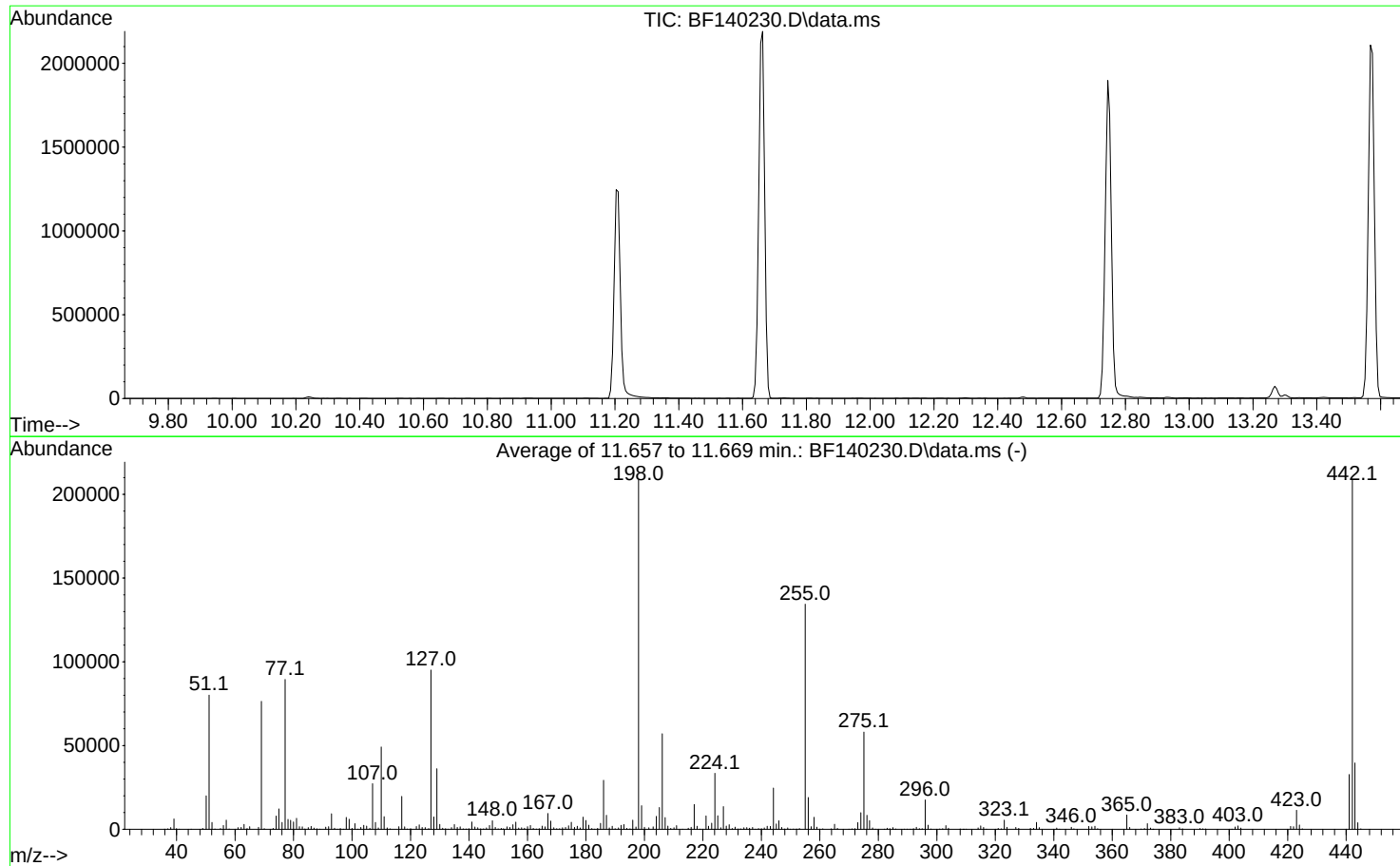
QC SAMPLE DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110524\
Data File : BF140230.D
Acq On : 05 Nov 2024 11:56
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-BF110524.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Nov 05 16:47:56 2024



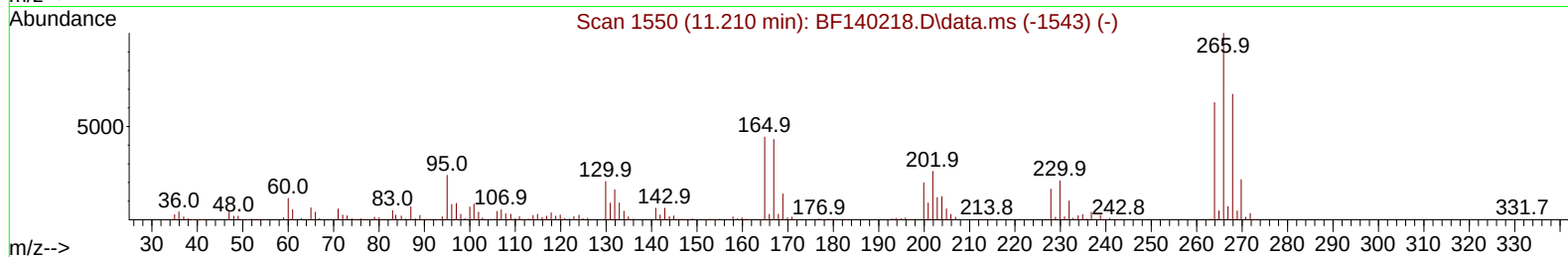
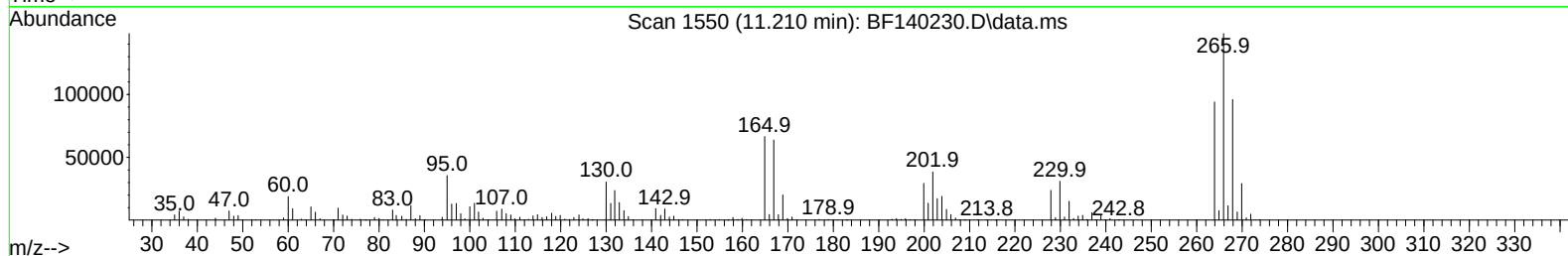
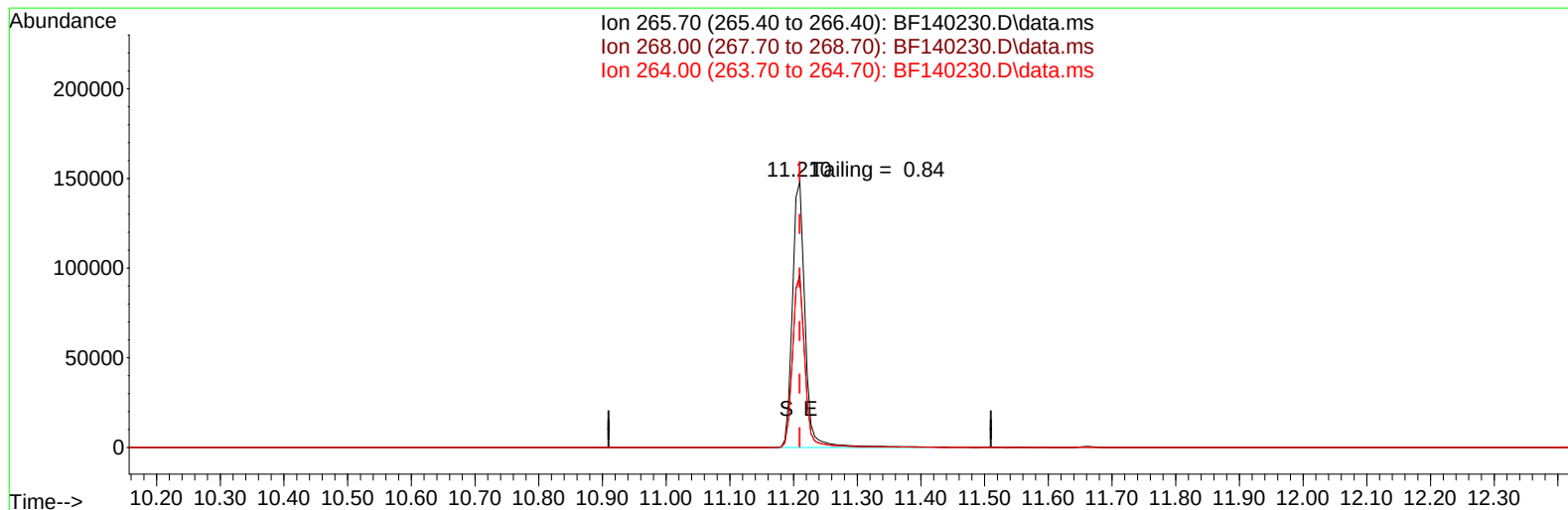
AutoFind: Scans 1626, 1627, 1628; Background Corrected with Scan 1619

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	38.4	80133	PASS
68	69	0.00	2	1.6	1231	PASS
69	198	0.00	100	36.6	76347	PASS
70	69	0.00	2	0.5	377	PASS
127	198	10	80	45.6	95101	PASS
197	198	0.00	2	0.7	1410	PASS
198	198	100	100	100.0	208661	PASS
199	198	5	9	6.8	14126	PASS
275	198	10	60	27.8	58061	PASS
365	198	1	100	4.1	8531	PASS
441	198	0.01	100	15.7	32669	PASS
442	442	50	100	100.0	208811	PASS
443	442	15	24	19.0	39576	PASS

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110524\
Data File : BF140230.D
Acq On : 05 Nov 2024 11:56
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Nov 05 12:57:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 04 17:12:57 2024
Response via : Initial Calibration



TIC: BF140230.D\data.ms

(70) Pentachlorophenol (C)

11.210min (+ 0.000) 149686.01 ng

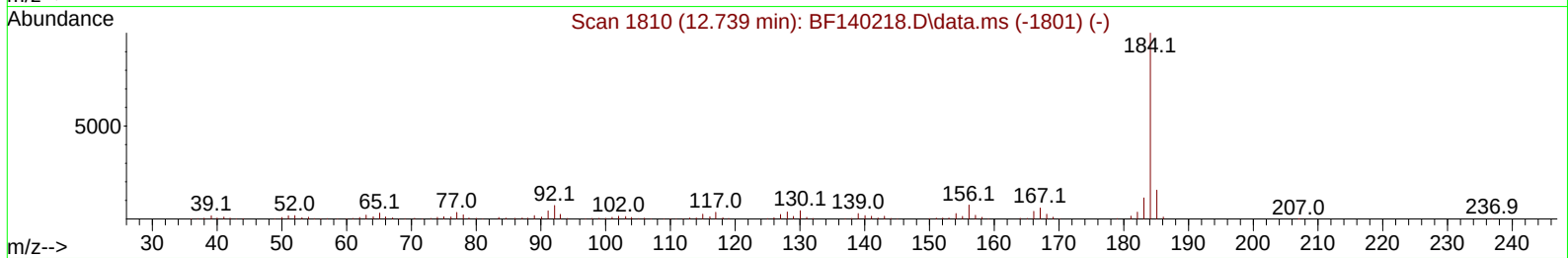
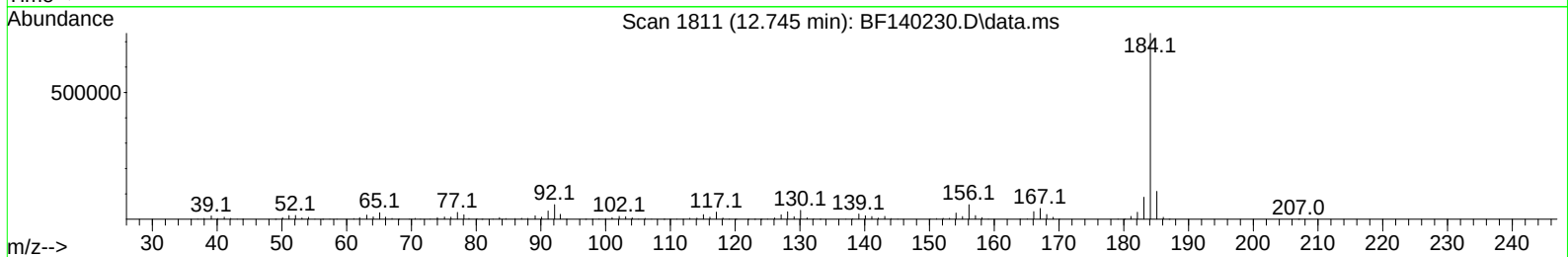
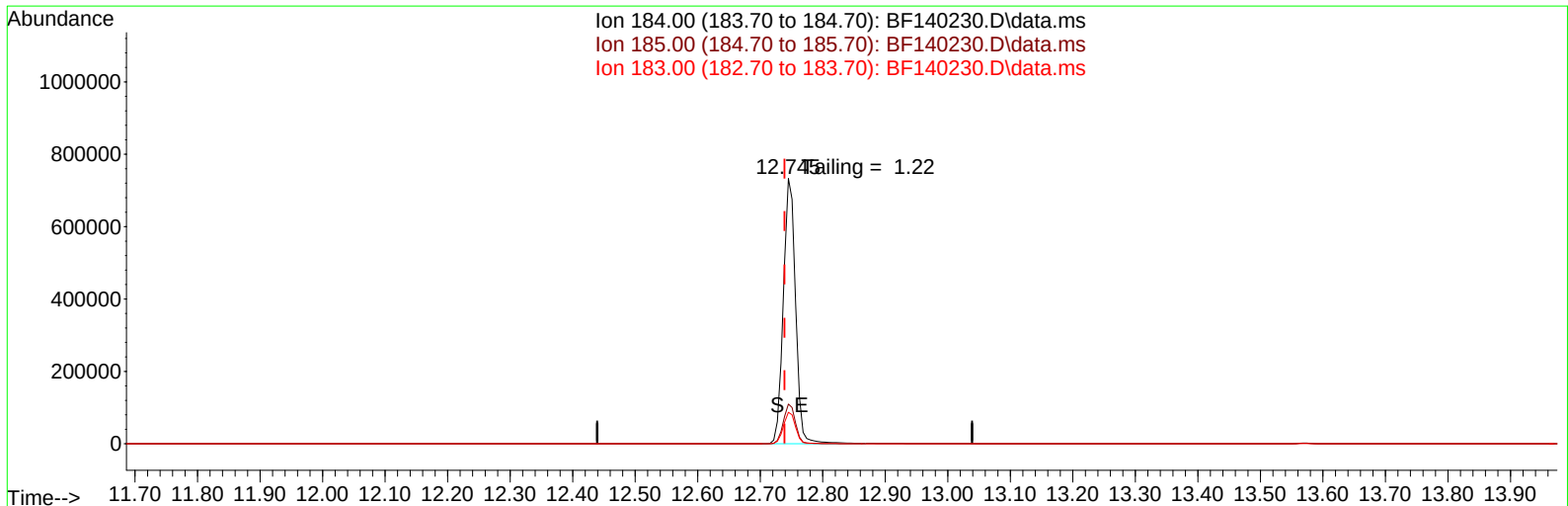
response 206677

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	67.40	64.67
264.00	62.90	63.32
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110524\
Data File : BF140230.D
Acq On : 05 Nov 2024 11:56
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Nov 05 12:57:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 04 17:12:57 2024
Response via : Initial Calibration



TIC: BF140230.D\data.ms

(77) Benzidine

12.745min (+ 0.006) 305940.83 ng

response 1003011

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.50	14.97
183.00	11.30	11.87
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
11/5/2024	BNA_F	<u>BF140230.D</u>
Compound Name	Response	Retention Time
DDT	522863	13.574
DDD	21565	13.268
DDE	1336	12.933
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
22901	545764	4.20

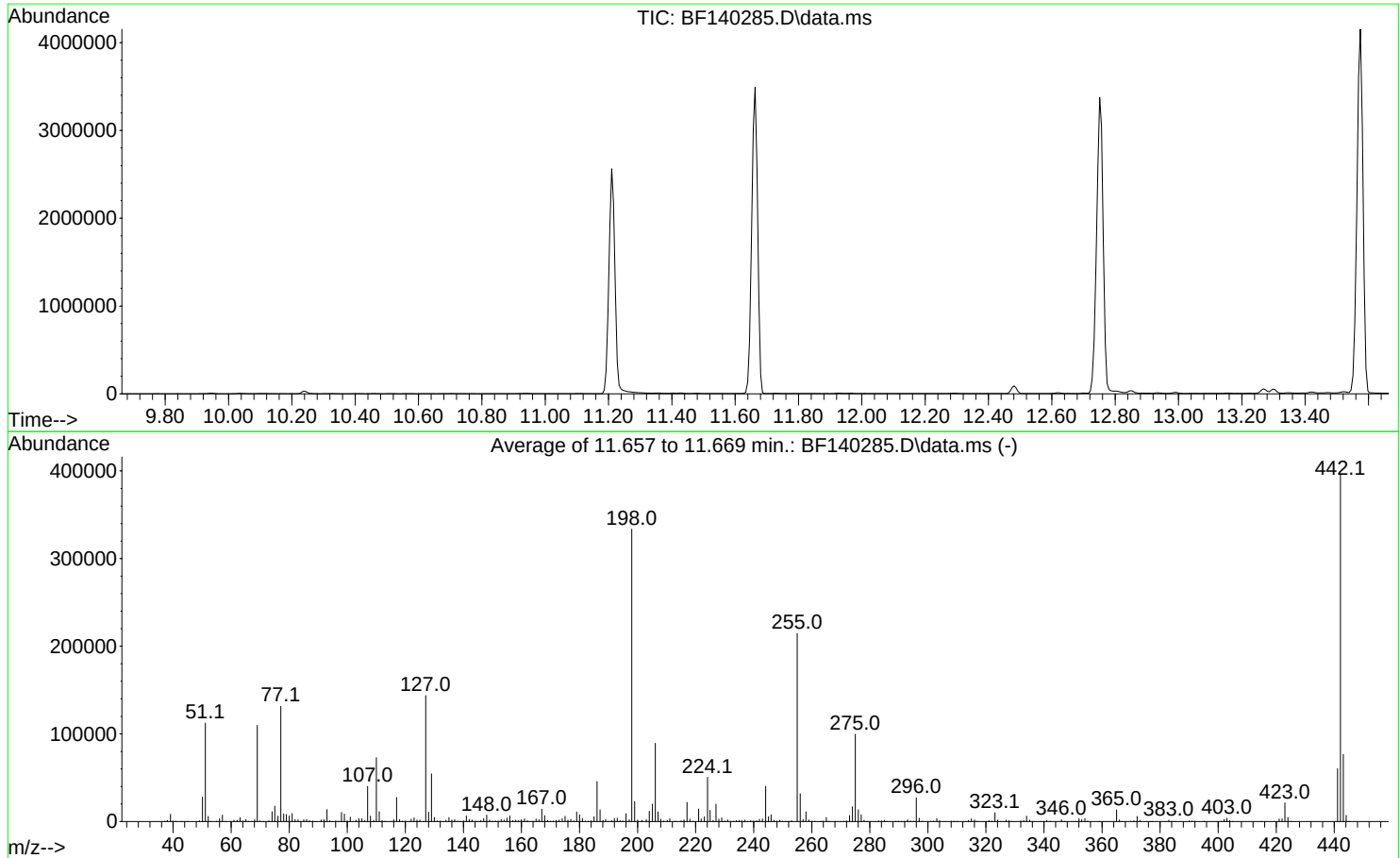
Instrument :
BNA_F
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140285.D
Acq On : 08 Nov 2024 09:09
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-BF110524.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Nov 05 16:47:56 2024



AutoFind: Scans 1626, 1627, 1628; Background Corrected with Scan 1618

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	33.7	112429	PASS
68	69	0.00	2	2.0	2148	PASS
69	198	0.00	100	32.9	109765	PASS
70	69	0.00	2	0.6	648	PASS
127	198	10	80	43.1	143768	PASS
197	198	0.00	2	0.6	2149	PASS
198	198	100	100	100.0	333589	PASS
199	198	5	9	6.8	22803	PASS
275	198	10	60	29.9	99640	PASS
365	198	1	100	4.0	13268	PASS
441	198	0.01	100	18.1	60392	PASS
442	442	50	100	100.0	396117	PASS
443	442	15	24	19.4	76731	PASS

DDT Breakdown

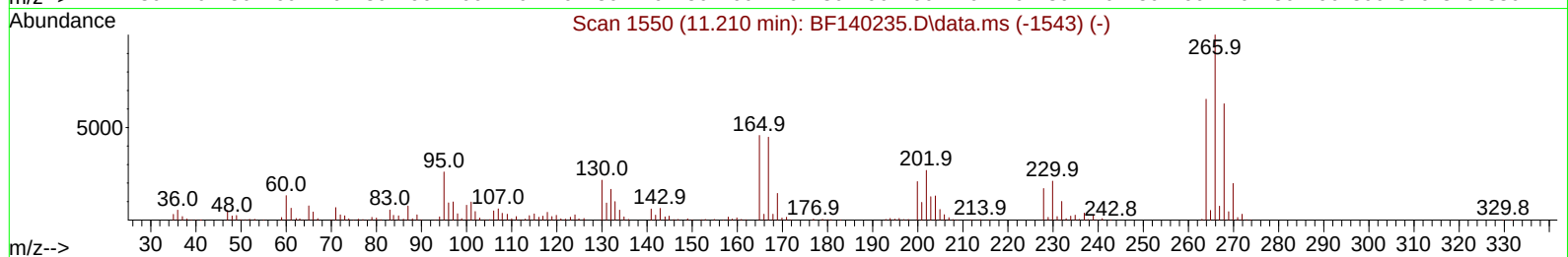
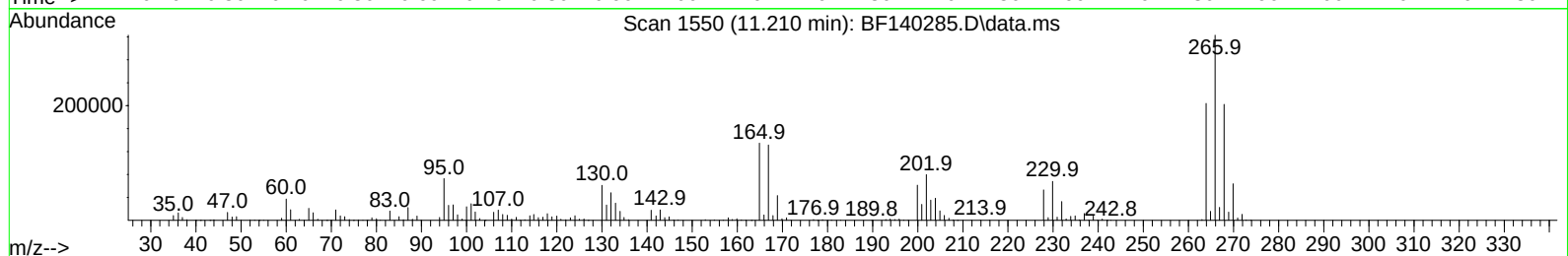
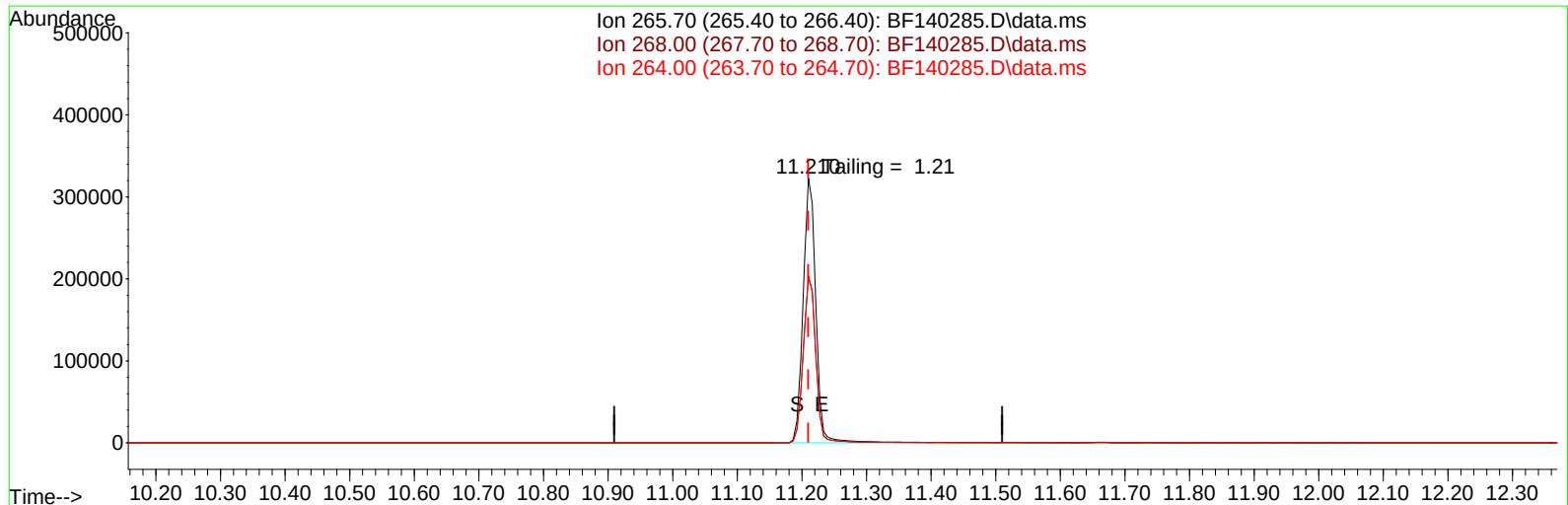
Date	Instrument Name	DFTPP Data File
11/8/2024	BNA_F	<u>BF140285.D</u>
Compound Name	Response	Retention Time
DDT	1118785	13.575
DDD	23060	13.269
DDE	1849	12.933
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
24909	1143694	2.18

Instrument :
BNA_F
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140285.D
Acq On : 08 Nov 2024 09:09
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Nov 08 10:16:07 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 16:47:56 2024
Response via : Initial Calibration



TIC: BF140285.D\data.ms

(70) Pentachlorophenol (C)

11.210min (+ 0.000) 32243.25 ng

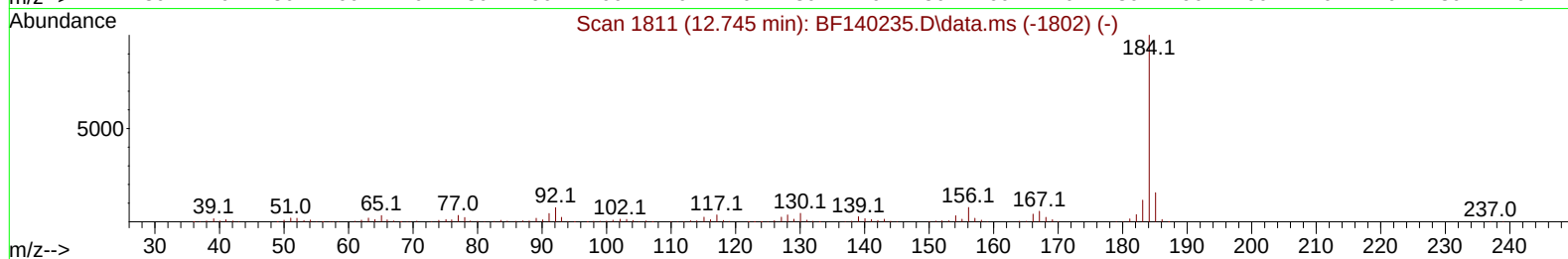
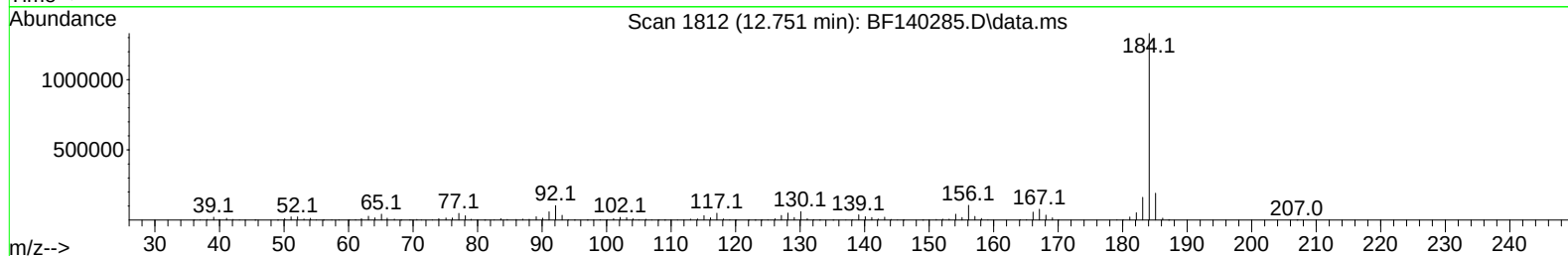
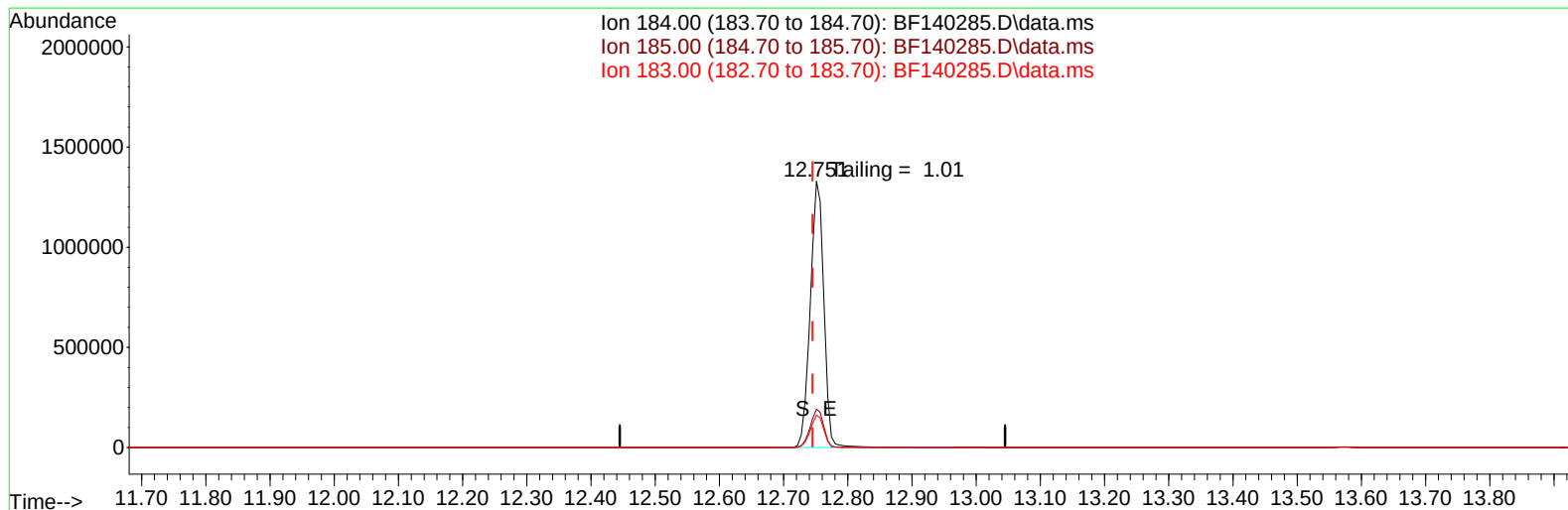
response 440973

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.80	62.68
264.00	65.30	63.13
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140285.D
Acq On : 08 Nov 2024 09:09
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Nov 08 10:16:07 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 16:47:56 2024
Response via : Initial Calibration



TIC: BF140285.D\data.ms

(77) Benzidine

12.751min (+ 0.006) 52057.10 ng

response 1958264

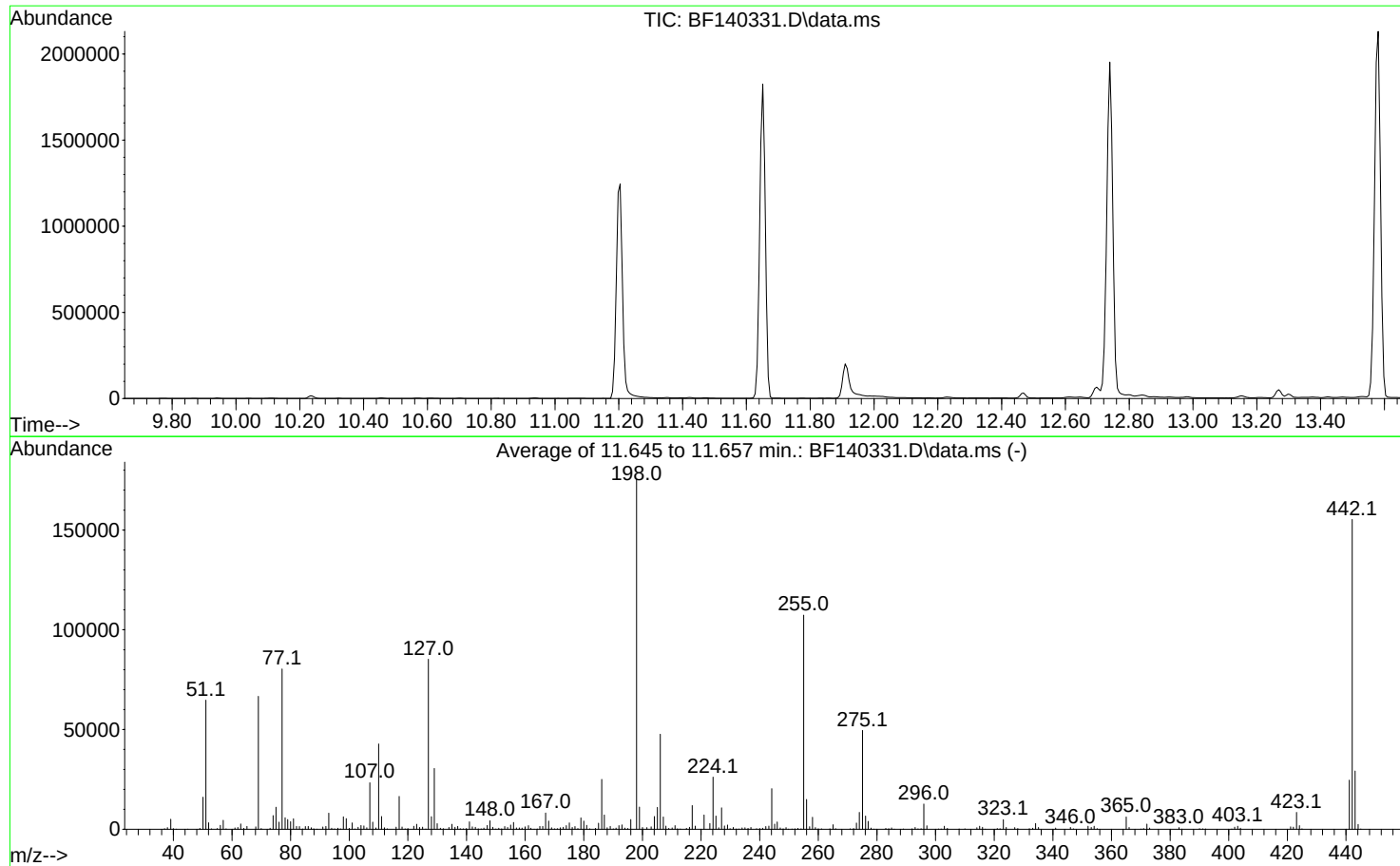
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.60	14.44
183.00	11.60	12.17
0.00	0.00	0.00

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



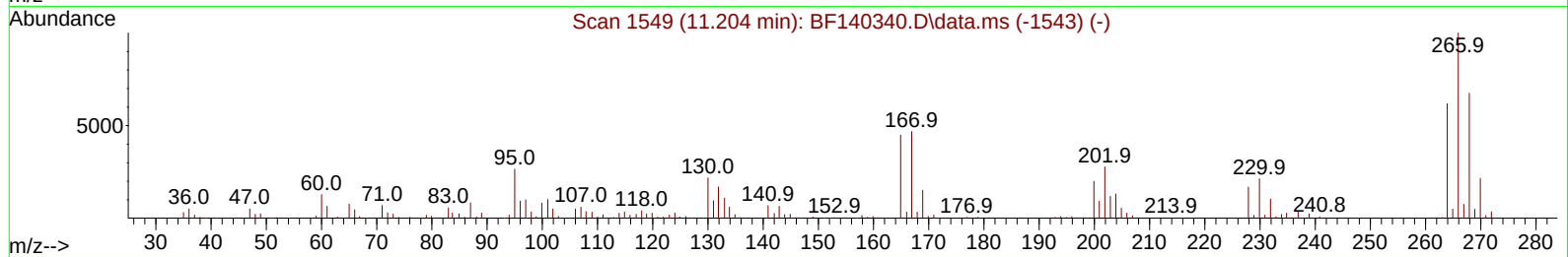
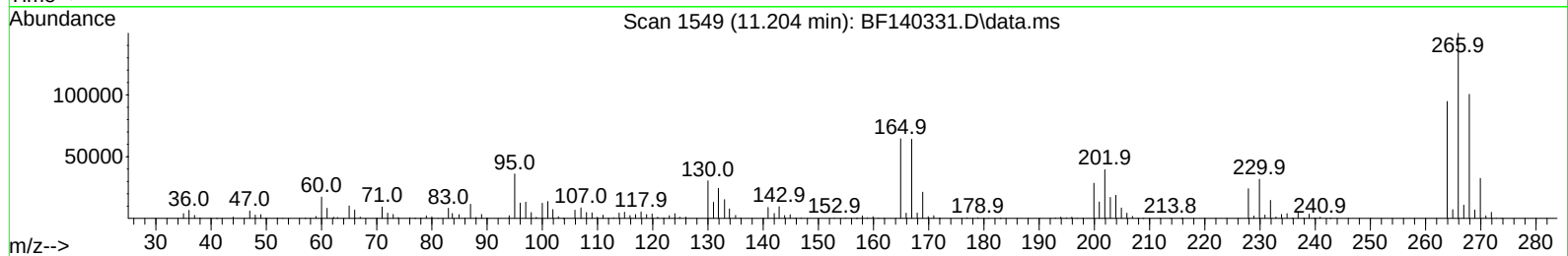
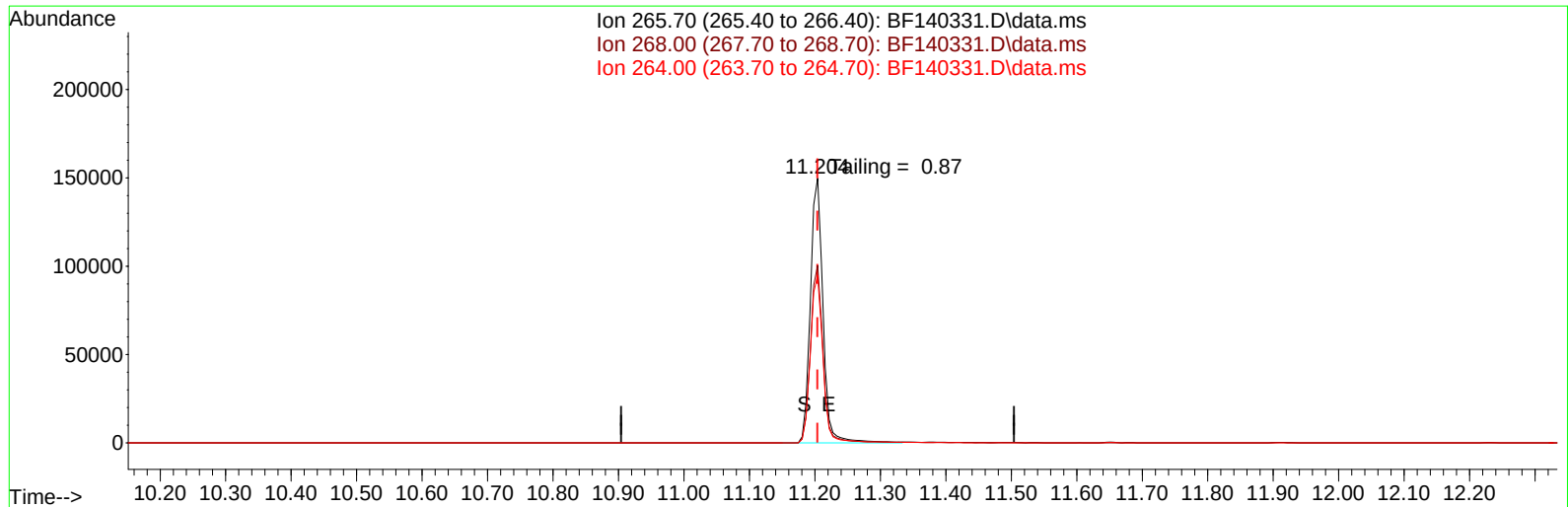
AutoFind: Scans 1624, 1625, 1626; Background Corrected with Scan 1617

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	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

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

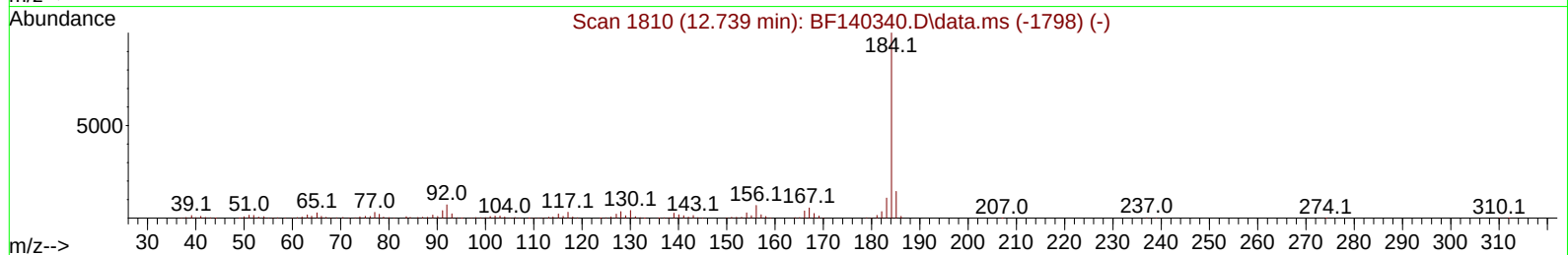
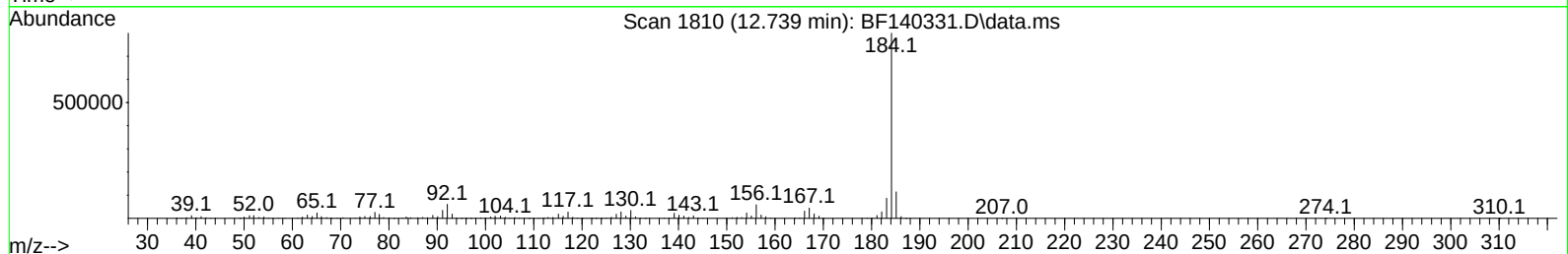
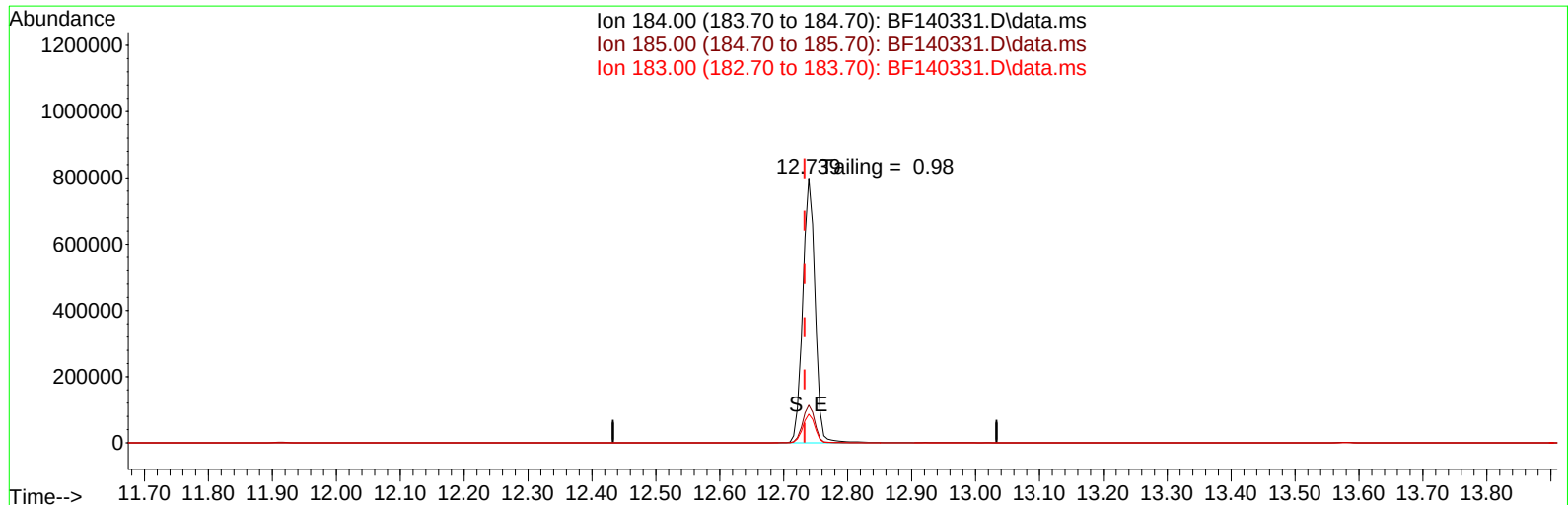
response 201406

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

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	<u>BF140331.D</u>
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

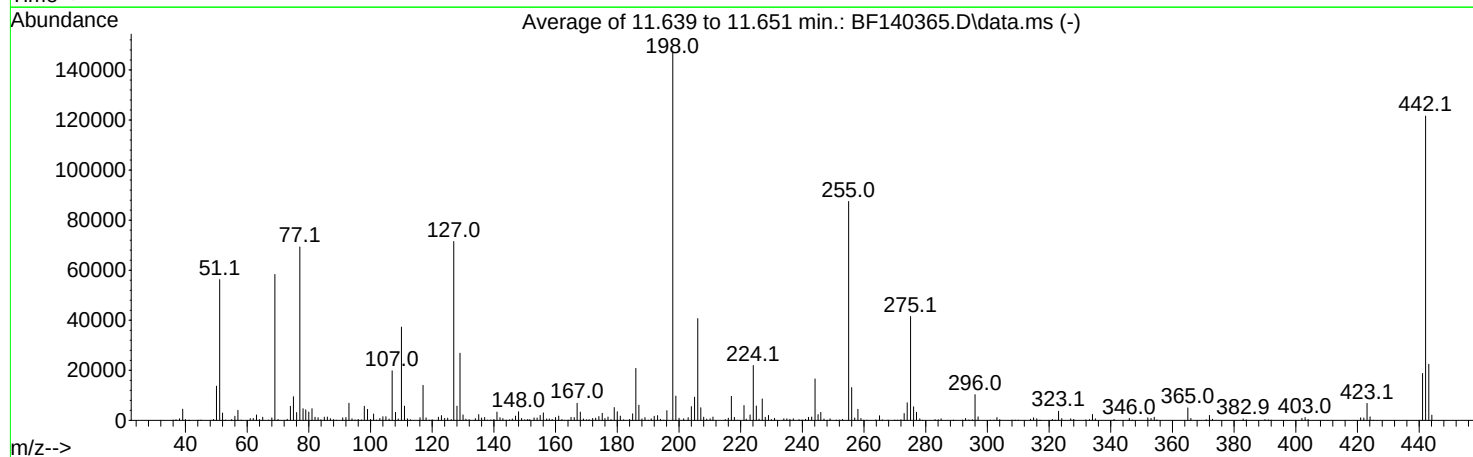
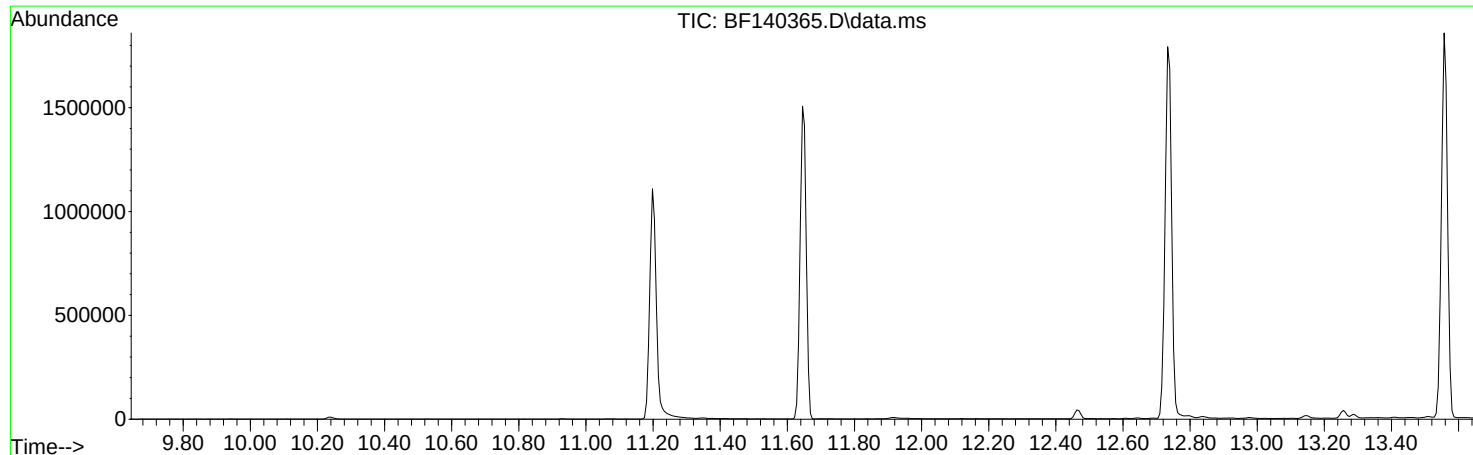
Instrument :
BNA_F
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111424\
Data File : BF140365.D
Acq On : 14 Nov 2024 16:35
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



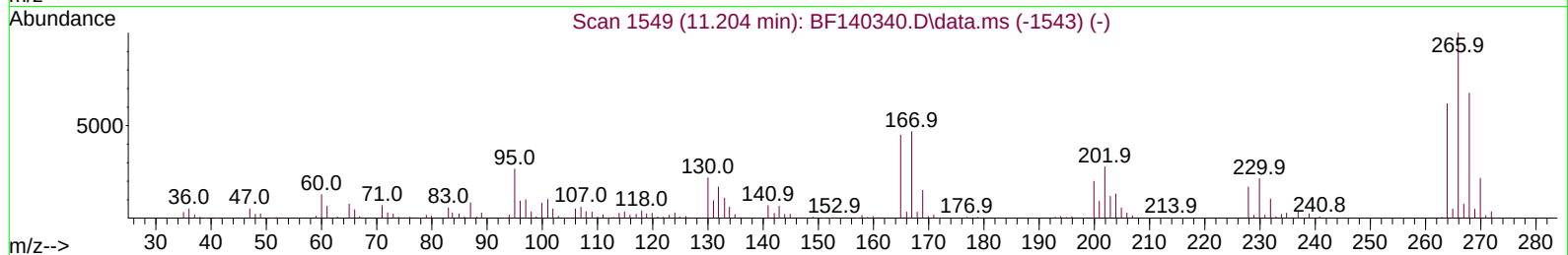
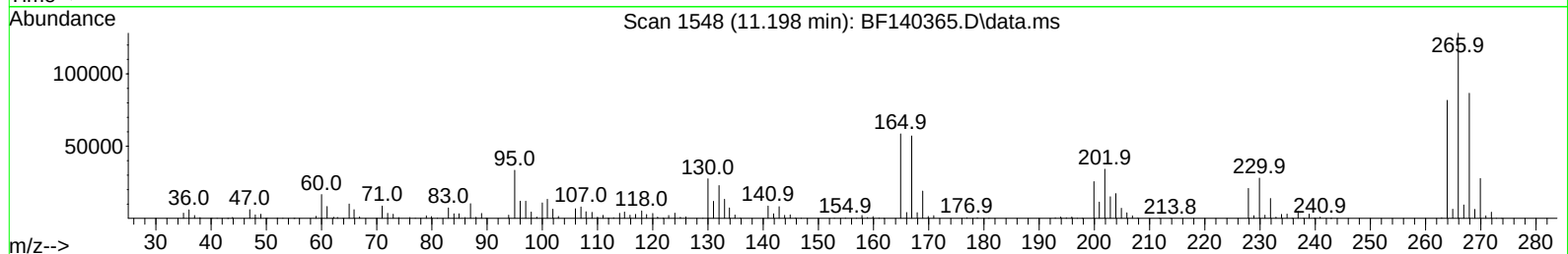
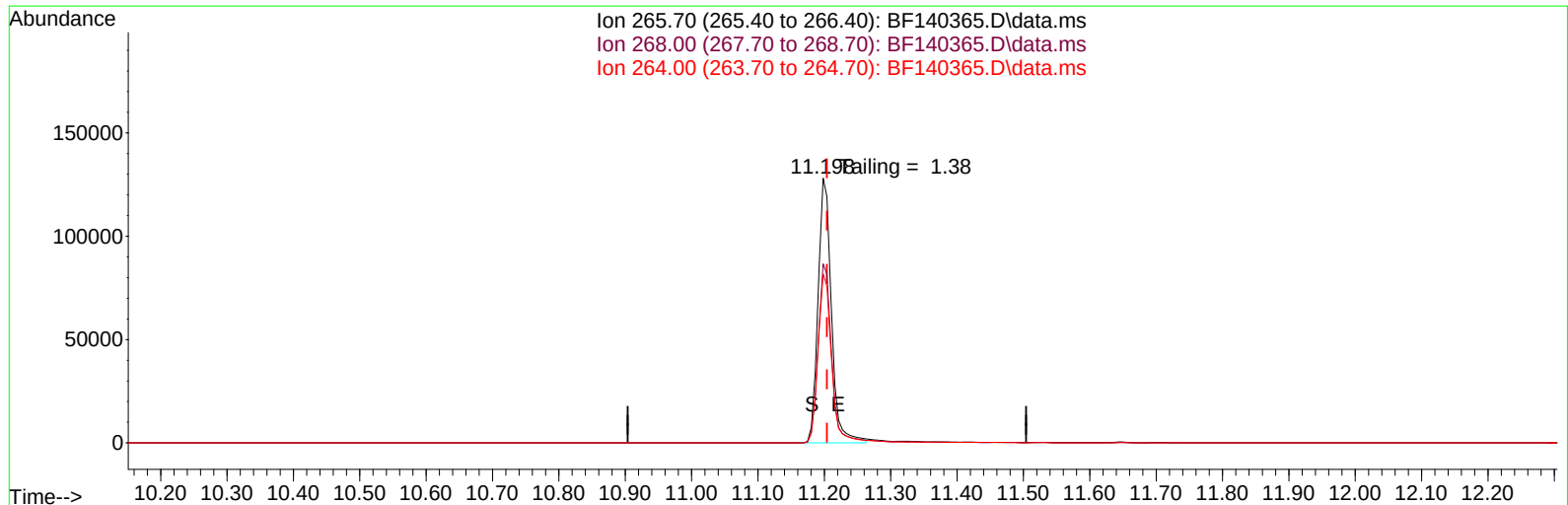
AutoFind: Scans 1623, 1624, 1625; Background Corrected with Scan 1617

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	38.3	56256	PASS
68	69	0.00	2	1.8	1048	PASS
69	198	0.00	100	39.7	58288	PASS
70	69	0.00	2	0.6	372	PASS
127	198	10	80	48.6	71504	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	146981	PASS
199	198	5	9	6.6	9705	PASS
275	198	10	60	28.2	41477	PASS
365	198	1	100	3.4	5013	PASS
441	198	0.01	100	12.8	18763	PASS
442	442	50	100	100.0	121611	PASS
443	442	15	24	18.4	22419	PASS

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111424\
Data File : BF140365.D
Acq On : 14 Nov 2024 16:35
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Nov 15 03:47:18 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



TIC: BF140365.D\data.ms

(70) Pentachlorophenol (C)

11.198min (-0.006) 63998.59 ng

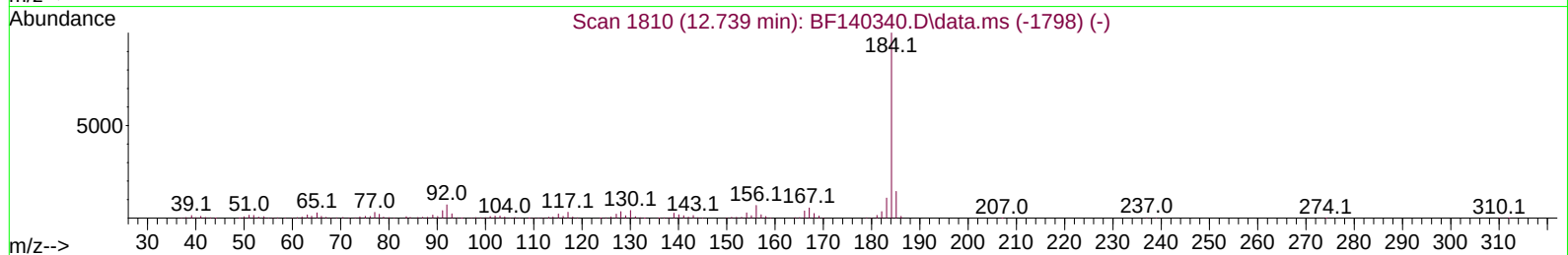
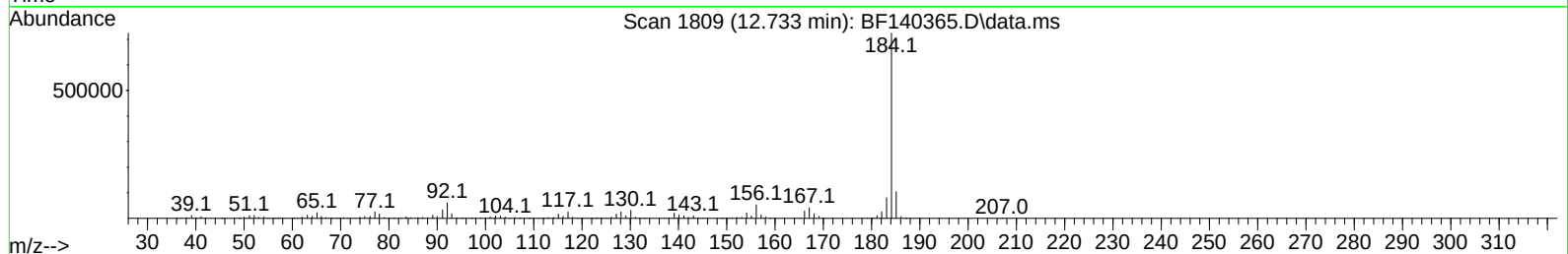
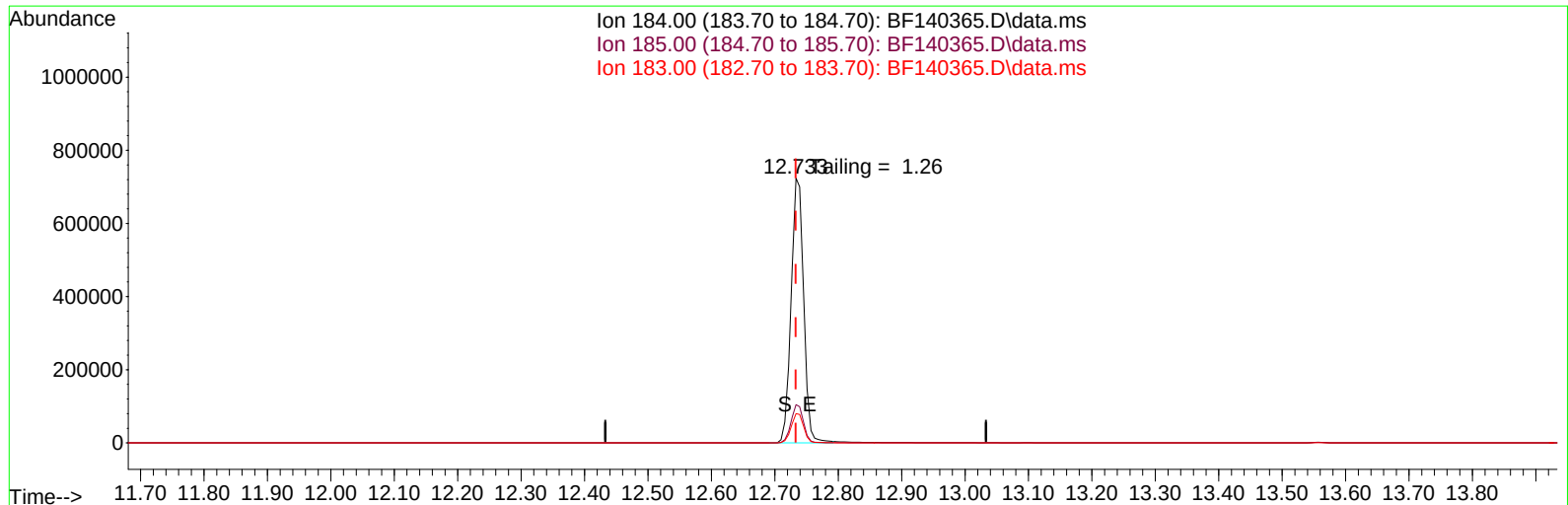
response 182621

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	66.10	67.63
264.00	62.90	63.80
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111424\
Data File : BF140365.D
Acq On : 14 Nov 2024 16:35
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Nov 15 03:47:18 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



TIC: BF140365.D\data.ms

(77) Benzidine

12.733min (+ 0.000) 36692.71 ng

response 1009743

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.90	14.42
183.00	10.80	11.08
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
11/14/2024	BNA_F	<u>BF140365.D</u>
Compound Name	Response	Retention Time
DDT	468813	13.557
DDD	15679	13.257
DDE	402	12.922
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
16081	484894	3.32

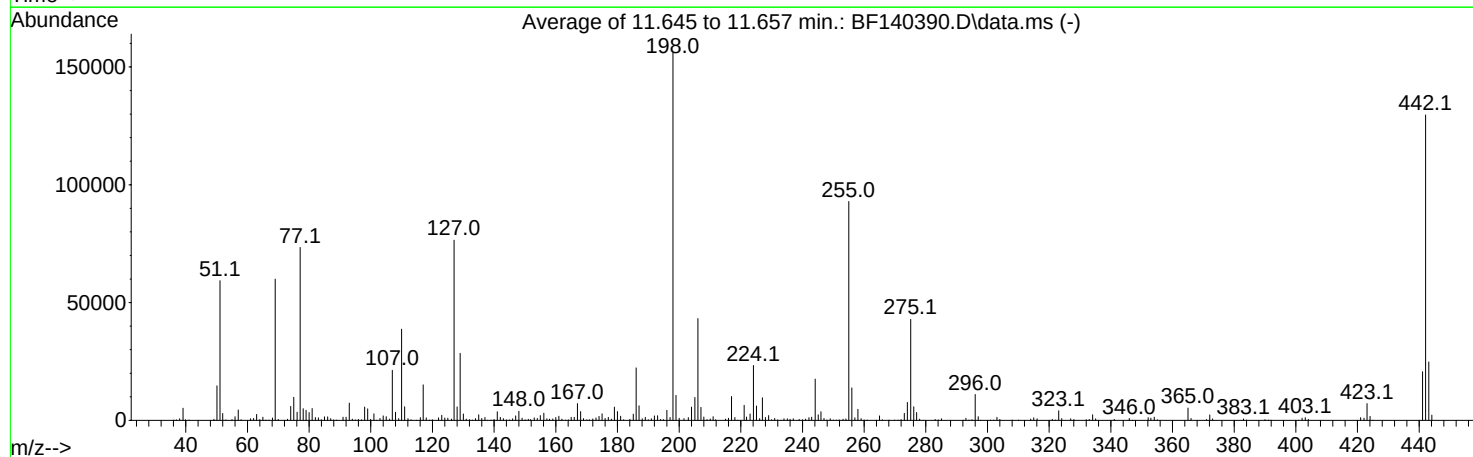
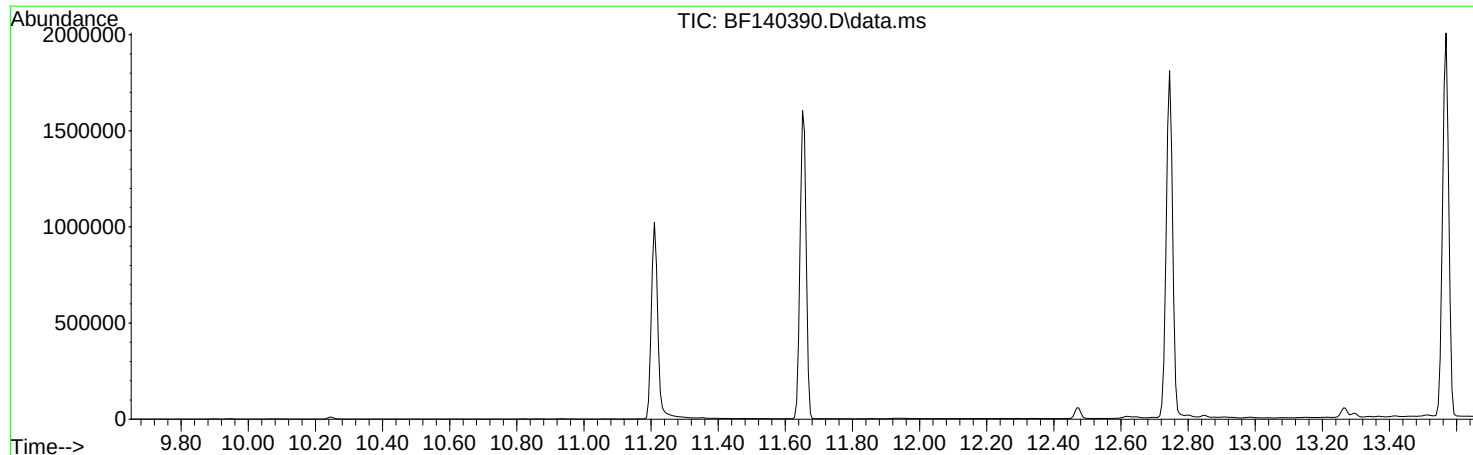
Instrument :
BNA_F
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111524\
Data File : BF140390.D
Acq On : 15 Nov 2024 09:16
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 1618

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	38.0	59293	PASS
68	69	0.00	2	1.7	1041	PASS
69	198	0.00	100	38.4	59949	PASS
70	69	0.00	2	0.6	377	PASS
127	198	10	80	49.0	76480	PASS
197	198	0.00	2	0.8	1225	PASS
198	198	100	100	100.0	156141	PASS
199	198	5	9	6.8	10617	PASS
275	198	10	60	27.5	42883	PASS
365	198	1	100	3.3	5208	PASS
441	198	0.01	100	13.2	20622	PASS
442	442	50	100	100.0	129669	PASS
443	442	15	24	19.1	24766	PASS

DDT Breakdown

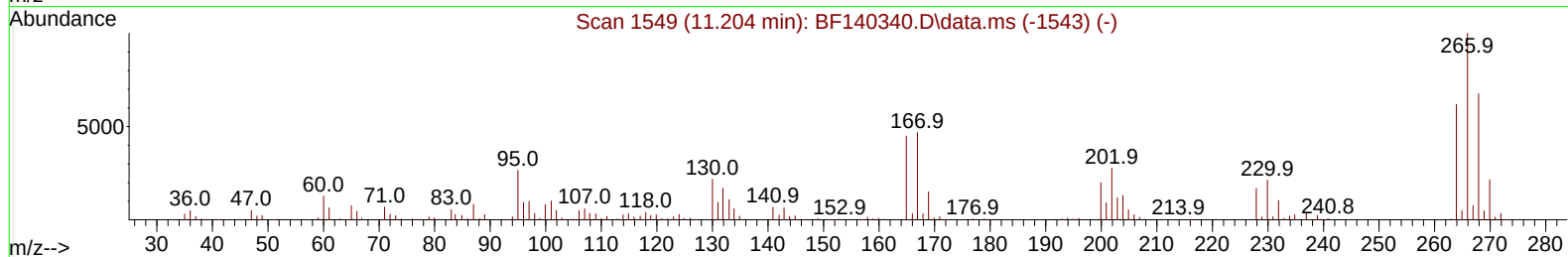
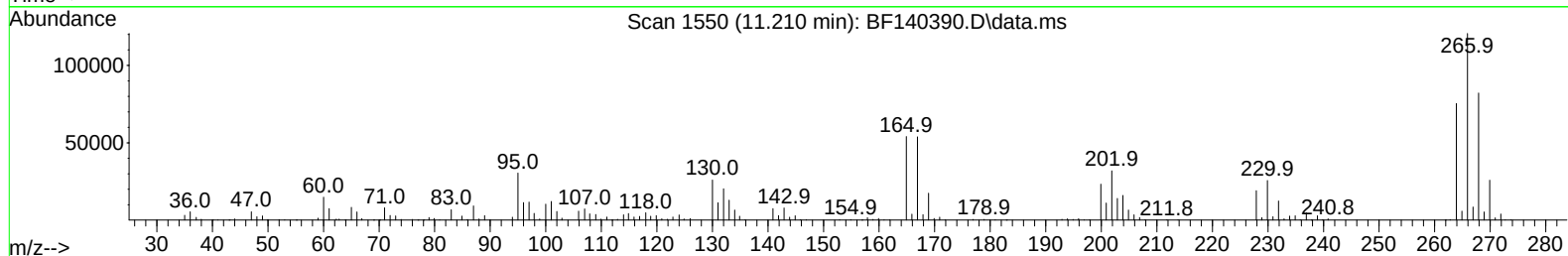
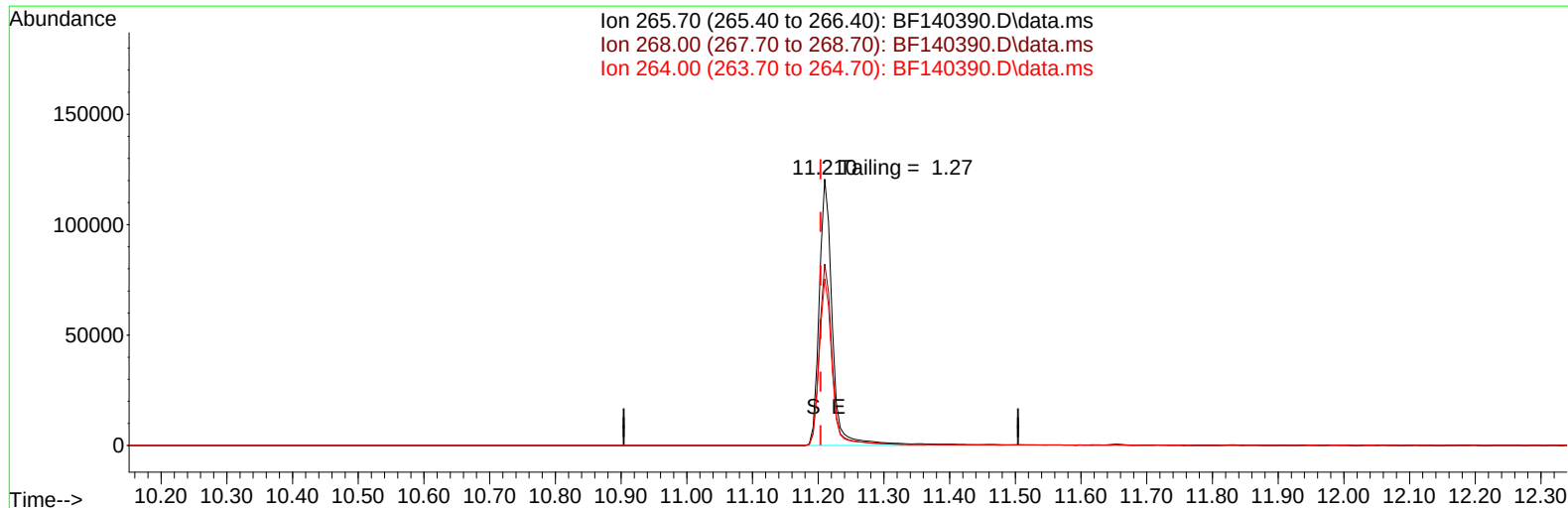
Date	Instrument Name	DFTPP Data File
11/15/2024	BNA_F	<u>BF140390.D</u>
Compound Name	Response	Retention Time
DDT	501404	13.569
DDD	18593	13.263
DDE	712	12.927
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
19305	520709	3.71

Instrument :
BNA_F
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111524\
Data File : BF140390.D
Acq On : 15 Nov 2024 09:16
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Nov 15 10:40:44 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



TIC: BF140390.D\data.ms

(70) Pentachlorophenol (C)

11.210min (+ 0.006) 50509.13 ng

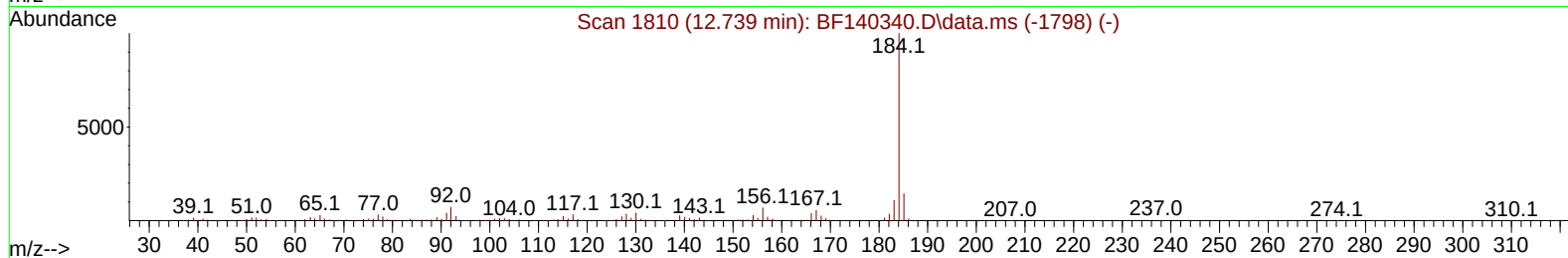
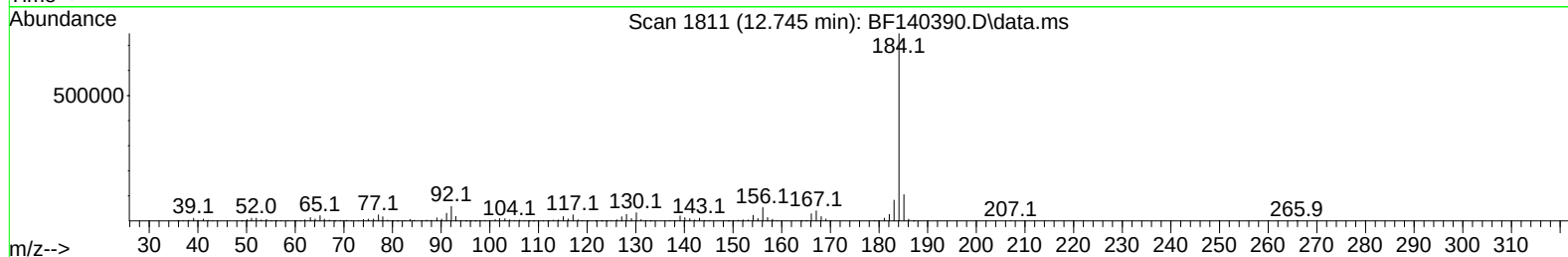
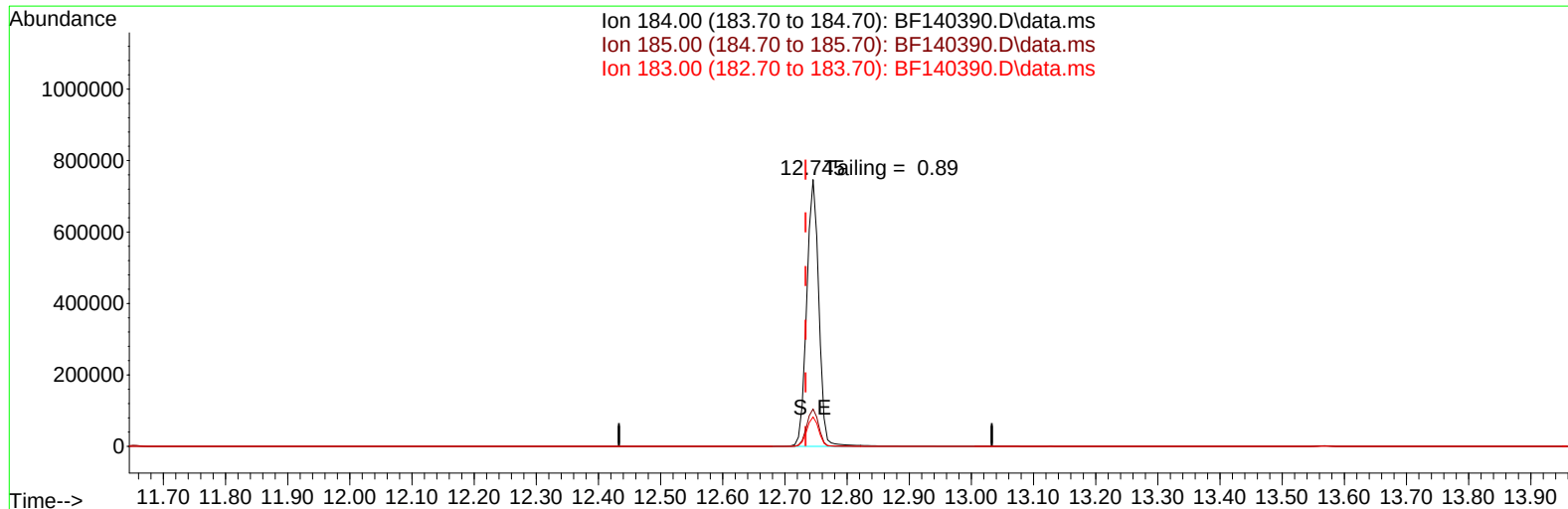
response 166467

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	66.10	68.10
264.00	62.90	62.52
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111524\
Data File : BF140390.D
Acq On : 15 Nov 2024 09:16
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Nov 15 10:40:44 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



TIC: BF140390.D\data.ms

(77) Benzidine

12.745min (+ 0.012) 31749.52 ng

response 1013847

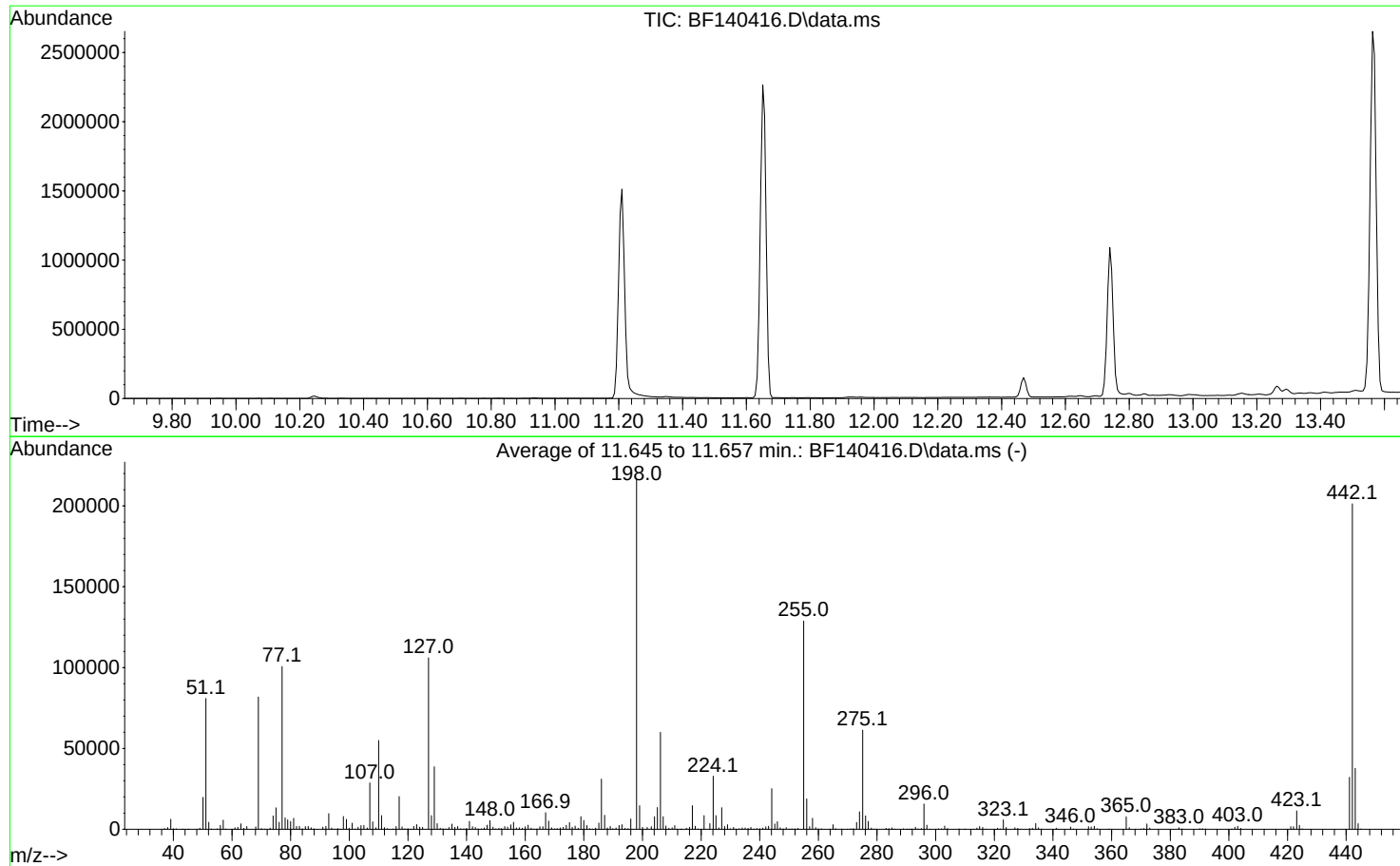
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.90	14.05
183.00	10.80	11.05
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
Data File : BF140416.D
Acq On : 16 Nov 2024 09:08
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-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 1618

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	37.4	80915	PASS
68	69	0.00	2	1.8	1489	PASS
69	198	0.00	100	37.8	81809	PASS
70	69	0.00	2	0.6	505	PASS
127	198	10	80	49.0	106000	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	216277	PASS
199	198	5	9	6.8	14609	PASS
275	198	10	60	28.4	61384	PASS
365	198	1	100	3.6	7757	PASS
441	198	0.01	100	14.9	32184	PASS
442	442	50	100	100.0	201331	PASS
443	442	15	24	18.7	37749	PASS

DDT Breakdown

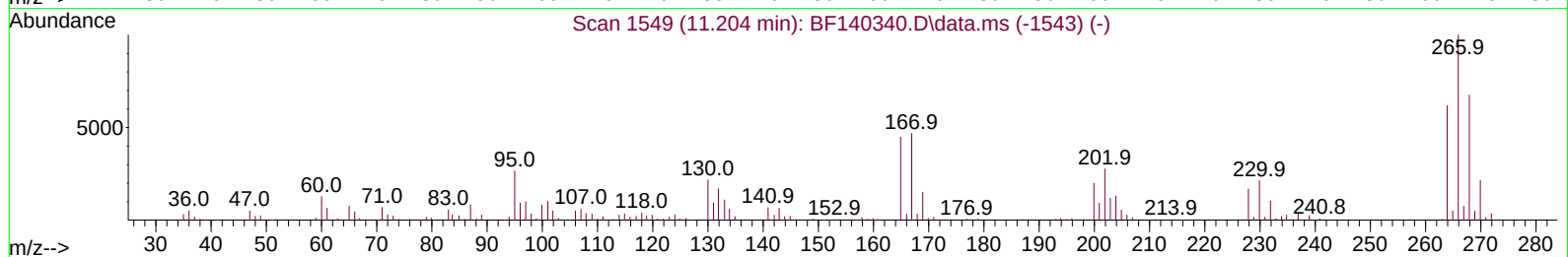
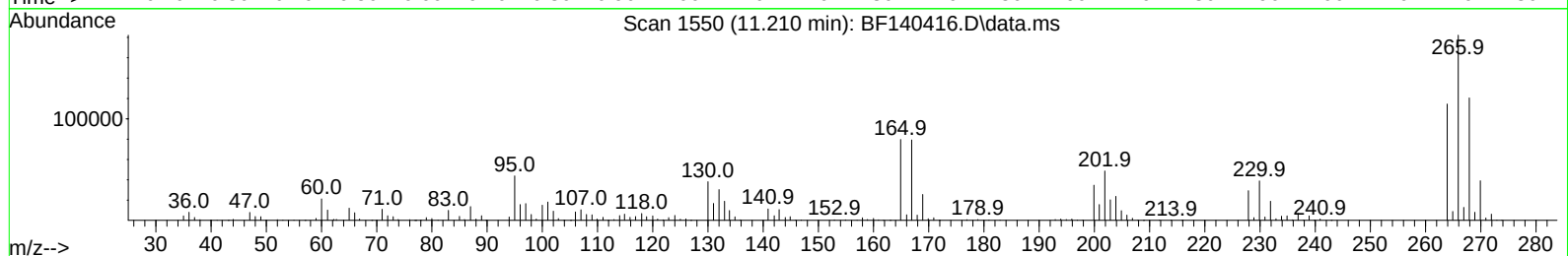
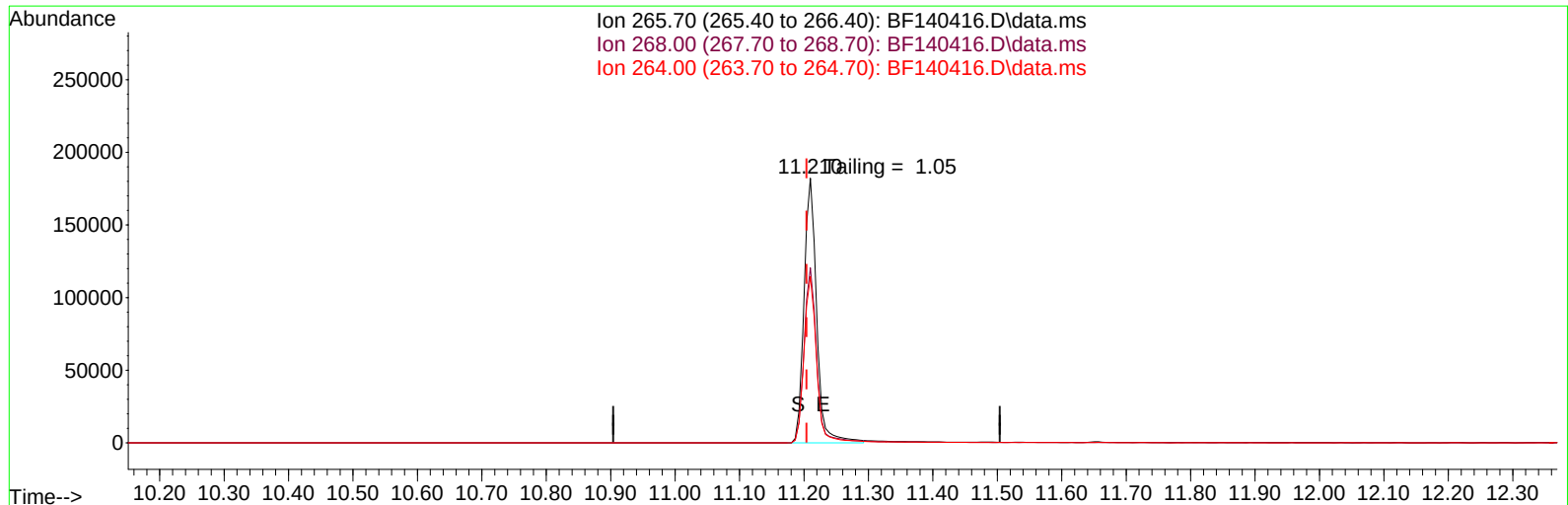
Date	Instrument Name	DFTPP Data File
11/16/2024	BNA_F	<u>BF140416.D</u>
Compound Name	Response	Retention Time
DDT	686763	13.563
DDD	22519	13.263
DDE	2035	12.927
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
24554	711317	3.45

Instrument :
BNA_F
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
Data File : BF140416.D
Acq On : 16 Nov 2024 09:08
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Nov 18 00:20:33 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



TIC: BF140416.D\data.ms

(70) Pentachlorophenol (C)

11.210min (+ 0.006) 65679.46 ng

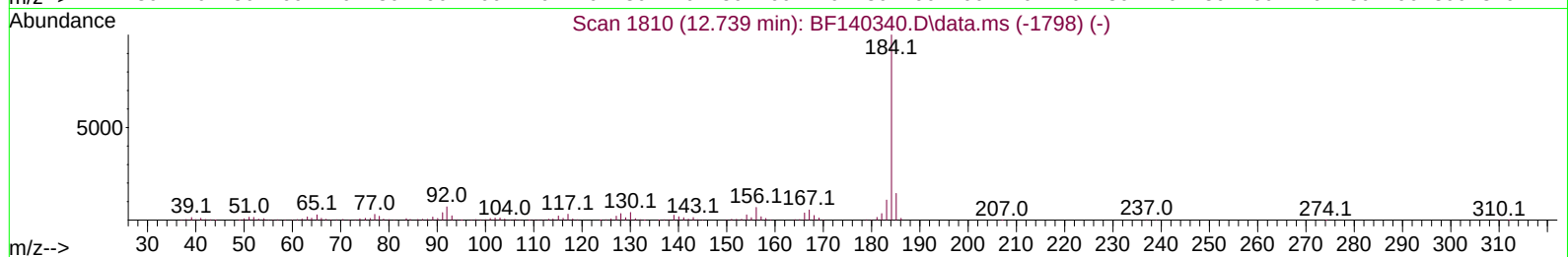
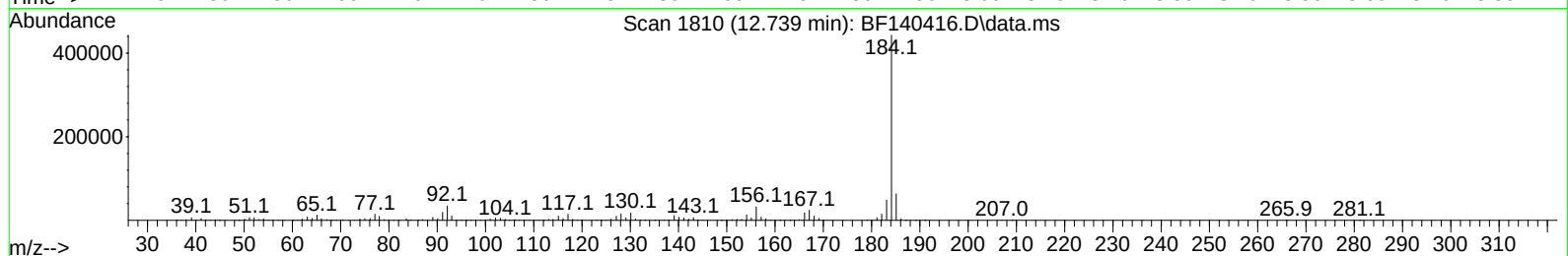
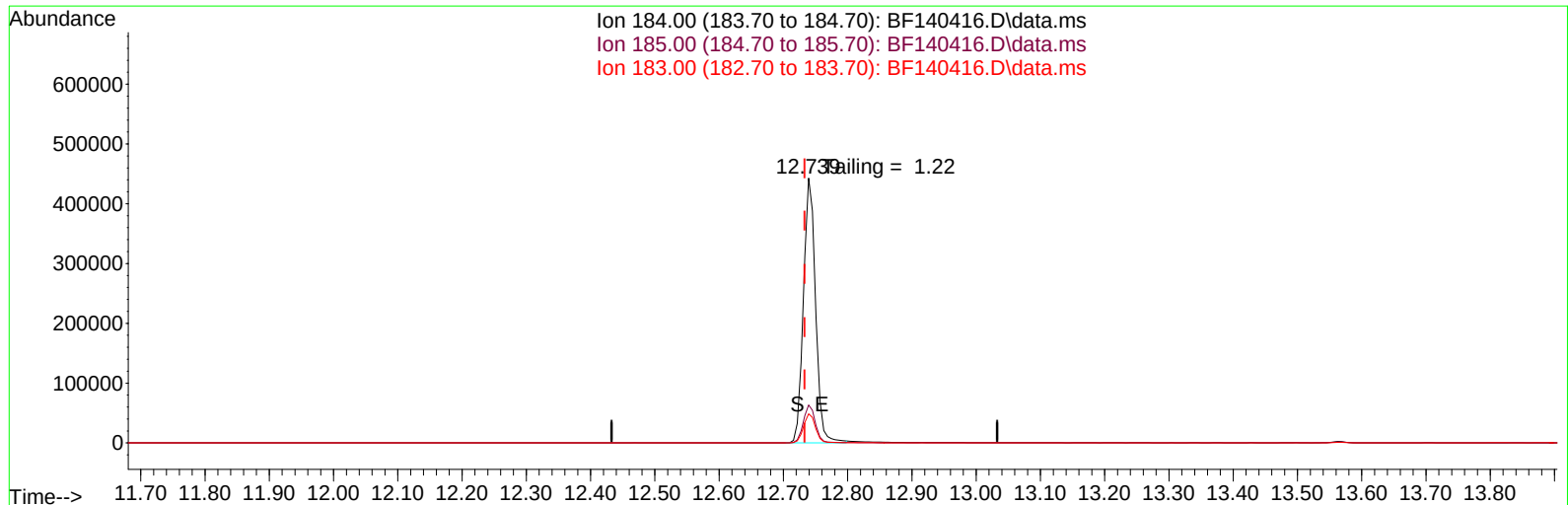
response 253869

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	66.10	66.15
264.00	62.90	62.81
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
Data File : BF140416.D
Acq On : 16 Nov 2024 09:08
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Nov 18 00:20:33 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



TIC: BF140416.D\data.ms

(77) Benzidine

12.739min (+ 0.006) 10148.88 ng

response 590902

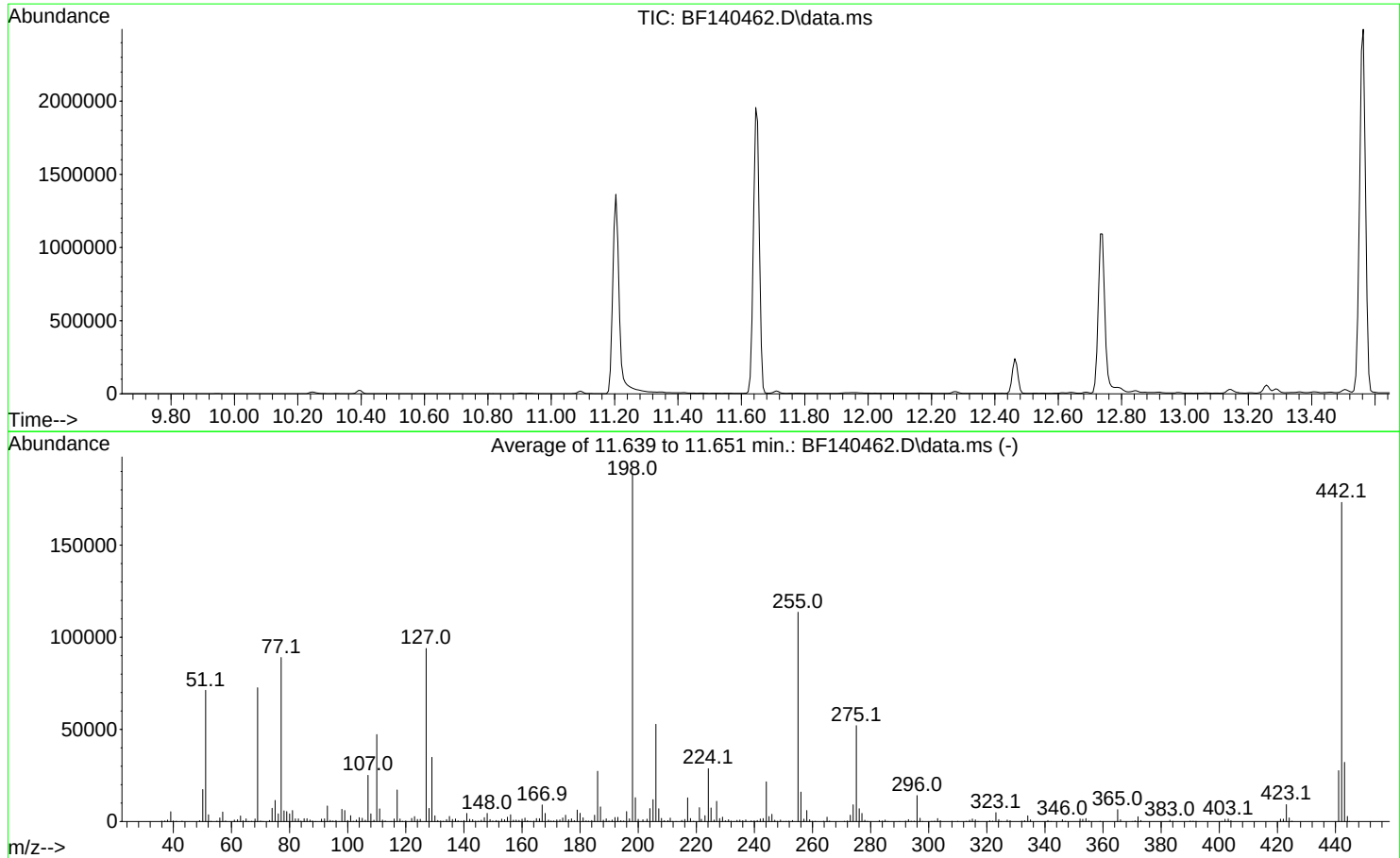
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.90	14.33
183.00	10.80	11.00
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111924\
Data File : BF140462.D
Acq On : 19 Nov 2024 09:32
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 1623, 1624, 1625; Background Corrected with Scan 1617

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	37.8	71237	PASS
68	69	0.00	2	1.9	1395	PASS
69	198	0.00	100	38.6	72669	PASS
70	69	0.00	2	0.5	372	PASS
127	198	10	80	49.9	93997	PASS
197	198	0.00	2	0.8	1518	PASS
198	198	100	100	100.0	188480	PASS
199	198	5	9	6.9	12968	PASS
275	198	10	60	27.6	52024	PASS
365	198	1	100	3.4	6457	PASS
441	198	0.01	100	14.7	27643	PASS
442	442	50	100	100.0	173237	PASS
443	442	15	24	18.5	32109	PASS

DDT Breakdown

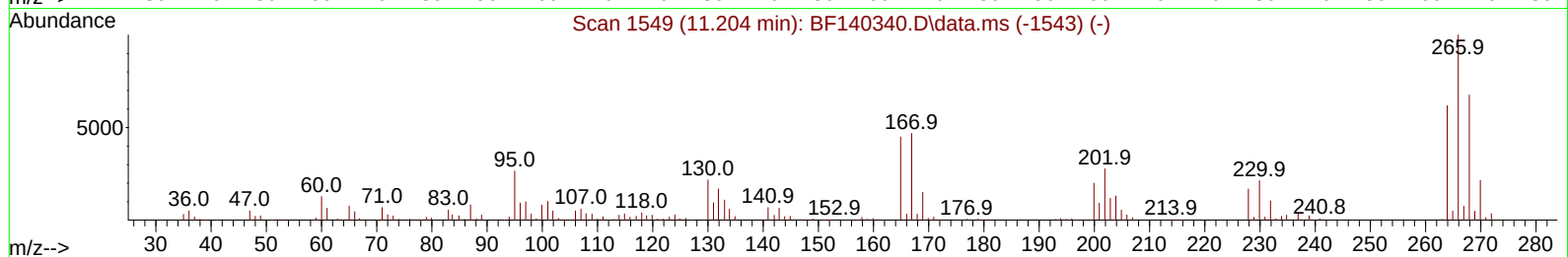
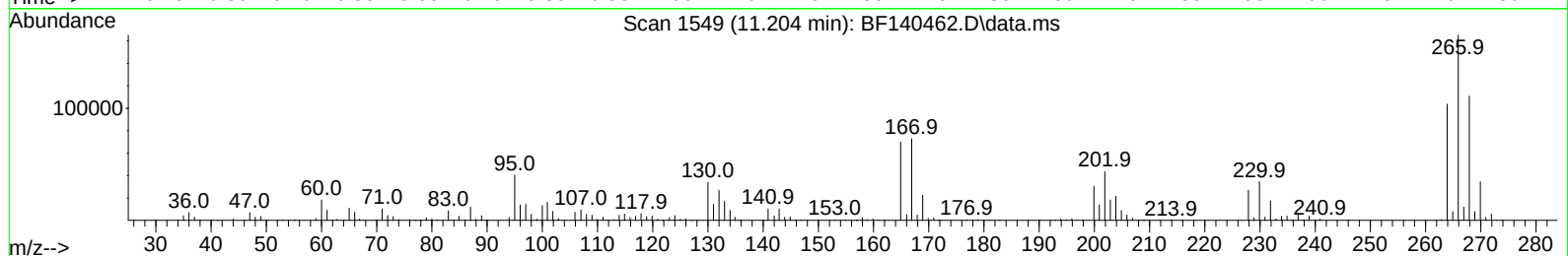
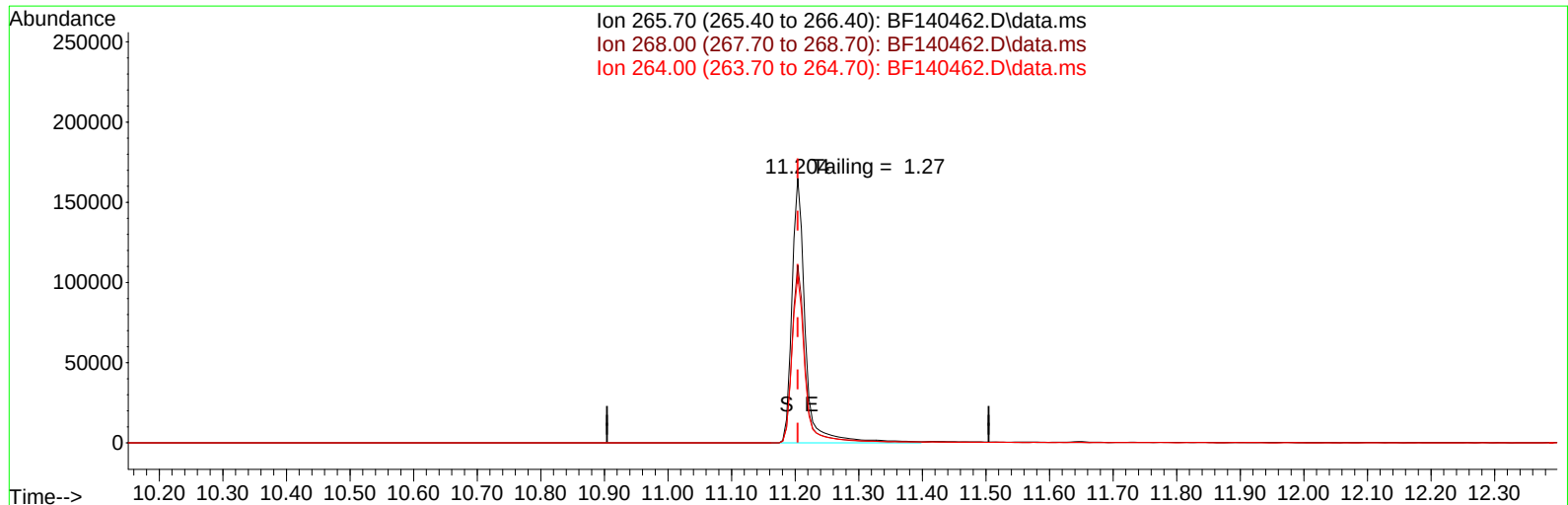
Date	Instrument Name	DFTPP Data File
11/19/2024	BNA_F	<u>BF140462.D</u>
Compound Name	Response	Retention Time
DDT	652325	13.563
DDD	19967	13.257
DDE	1626	12.921
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
21593	673918	3.20

Instrument :
BNA_F
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111924\
Data File : BF140462.D
Acq On : 19 Nov 2024 09:32
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Nov 19 11:21:25 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: BF140462.D\data.ms

(70) Pentachlorophenol (C)

11.204min (-0.000) 47510.91 ng

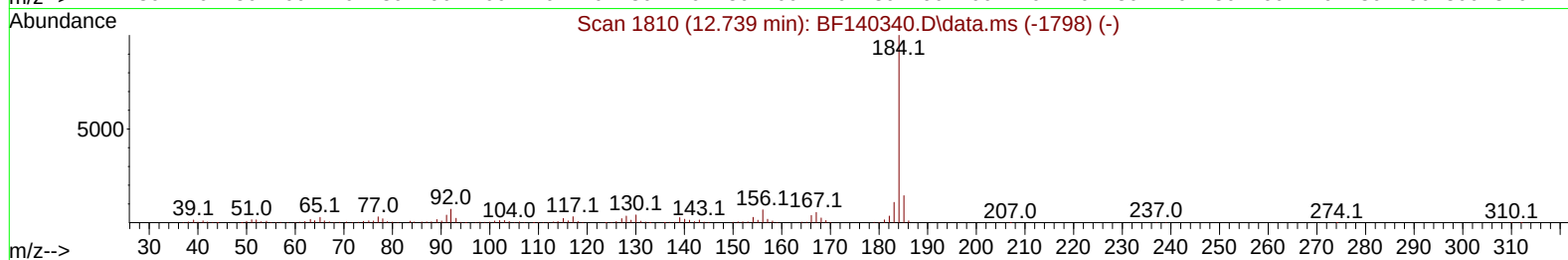
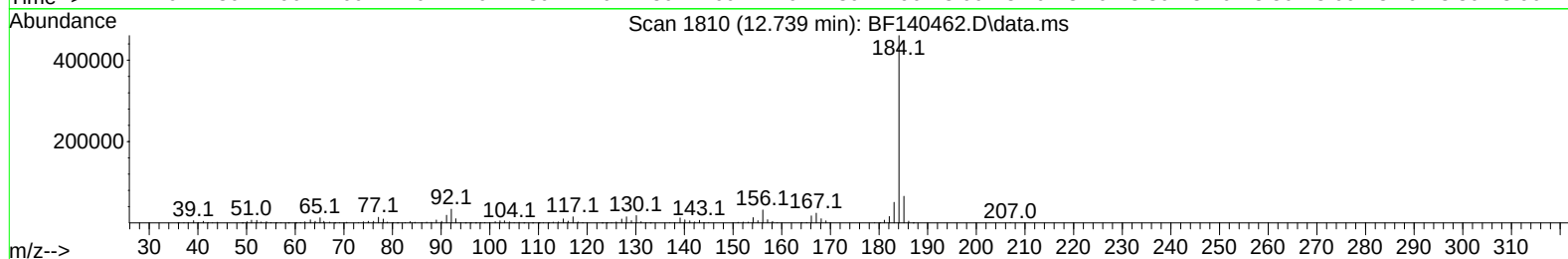
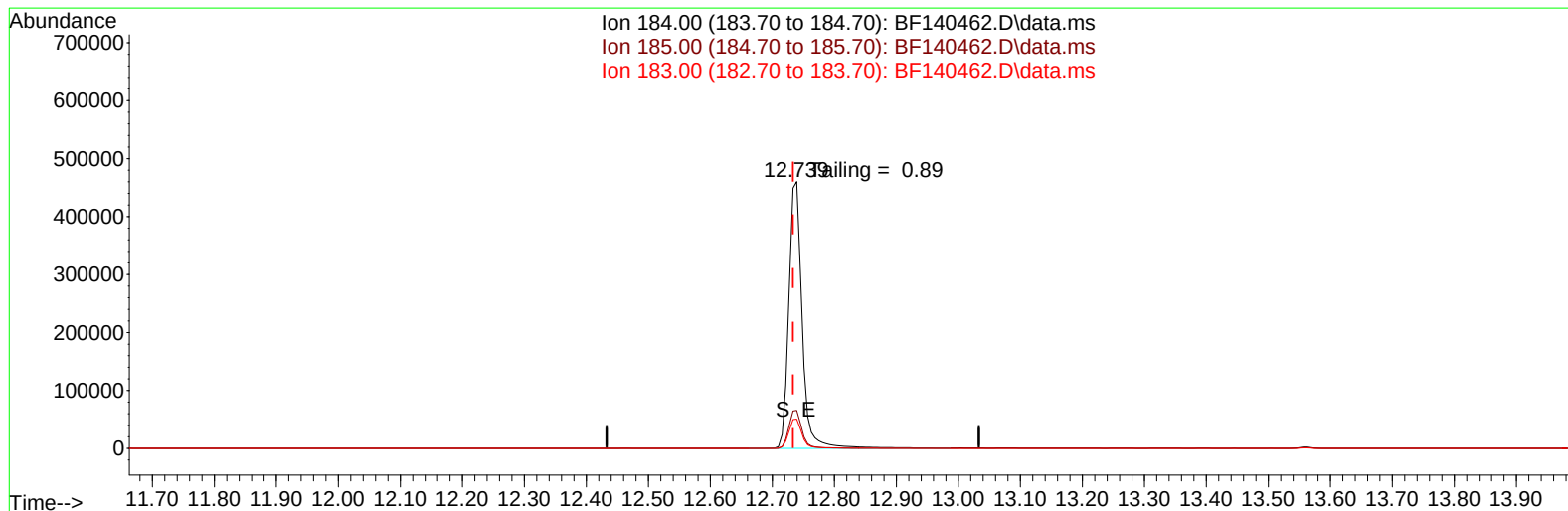
response 242650

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	66.10	67.06
264.00	62.90	62.78
0.00	0.00	0.00

```
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111924\
Data File : BF140462.D
Acq On    : 19 Nov 2024  09:32
Operator  : RC/JU
Sample    : DFTPP
Misc      :
ALS Vial  : 1    Sample Multiplier: 1
```

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Nov 19 11:21:25 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: BF140462.D\data.ms

(77) Benzidine

12.739min (+ 0.006) 17553.50 ng

response 697294

Ion	Exp%	Act%

184.00	100.00	100.00

185.00	14.90	14.26

183.00	10.80	11.01

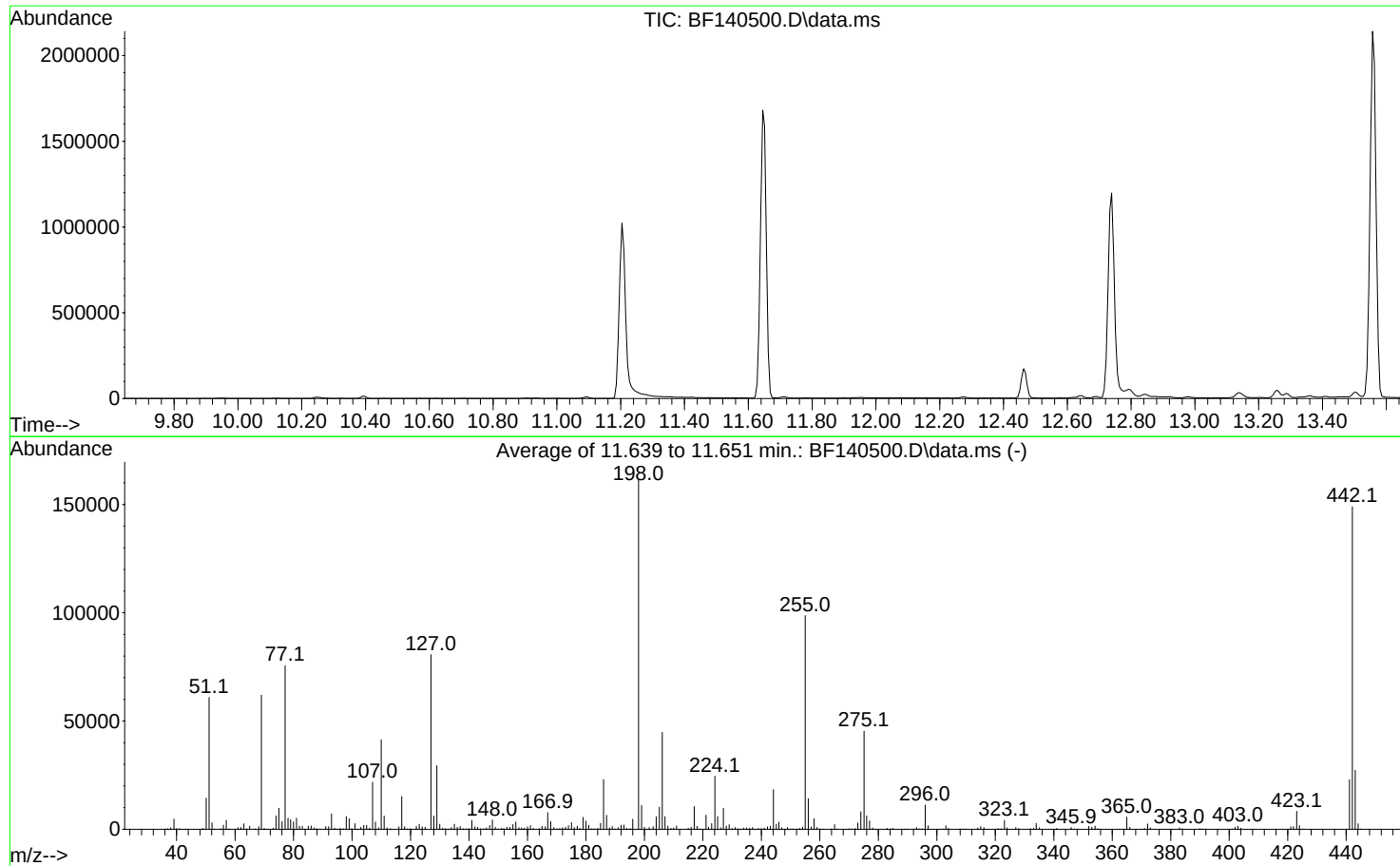
0.00 0.00 0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140500.D
Acq On : 20 Nov 2024 15:33
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 1623, 1624, 1625; Background Corrected with Scan 1617

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	37.7	60928	PASS
68	69	0.00	2	1.9	1186	PASS
69	198	0.00	100	38.4	61936	PASS
70	69	0.00	2	0.7	421	PASS
127	198	10	80	50.0	80672	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	161499	PASS
199	198	5	9	6.8	11020	PASS
275	198	10	60	28.1	45307	PASS
365	198	1	100	3.5	5617	PASS
441	198	0.01	100	14.2	22910	PASS
442	442	50	100	100.0	148963	PASS
443	442	15	24	18.3	27253	PASS

DDT Breakdown

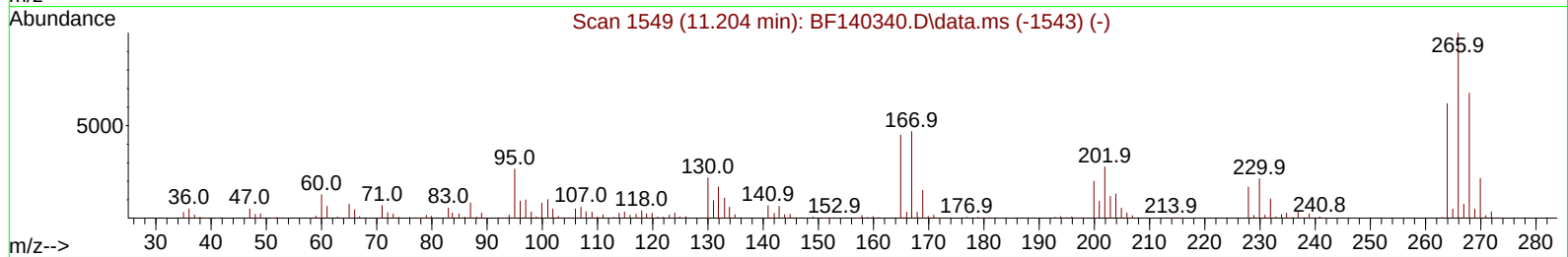
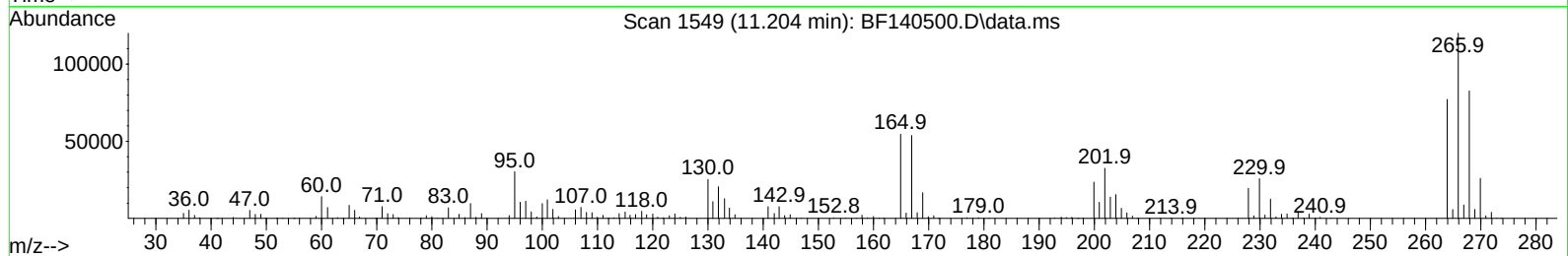
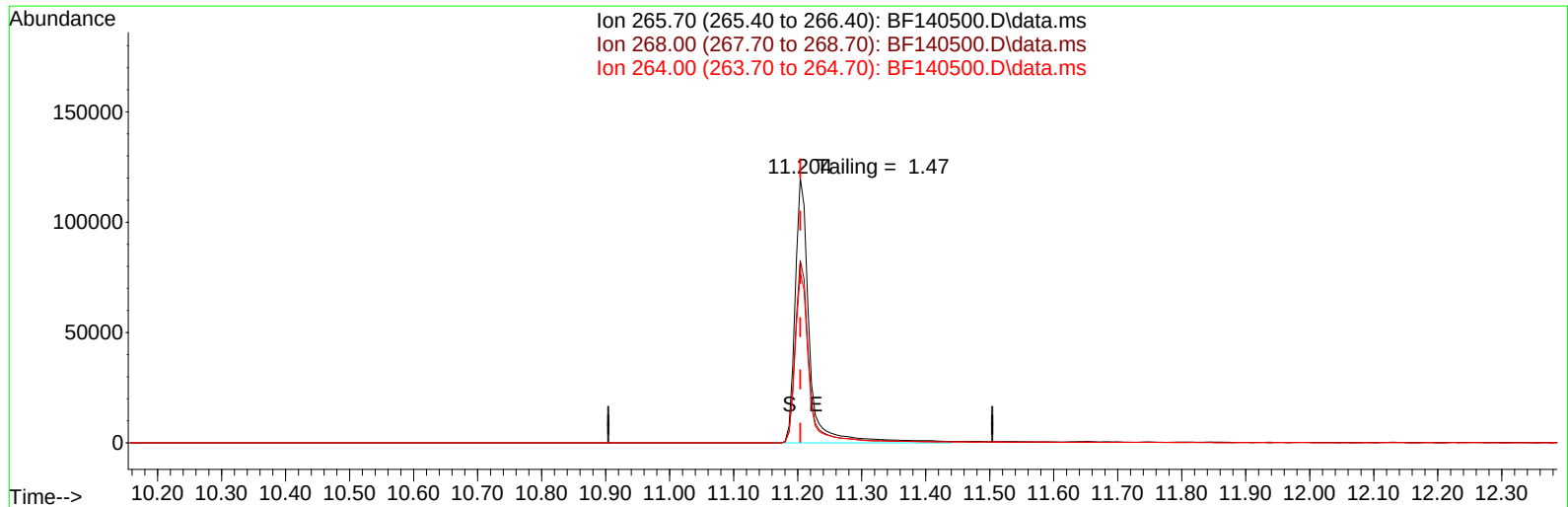
Date	Instrument Name	DFTPP Data File
11/20/2024	BNA_F	<u>BF140500.D</u>
Compound Name	Response	Retention Time
DDT	548560	13.557
DDD	17777	13.257
DDE	1079	12.921
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
18856	567416	3.32

Instrument :
BNA_F
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140500.D
Acq On : 20 Nov 2024 15:33
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Nov 20 17:01:13 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: BF140500.D\data.ms

(70) Pentachlorophenol (C)

11.204min (-0.000) 29007.72 ng

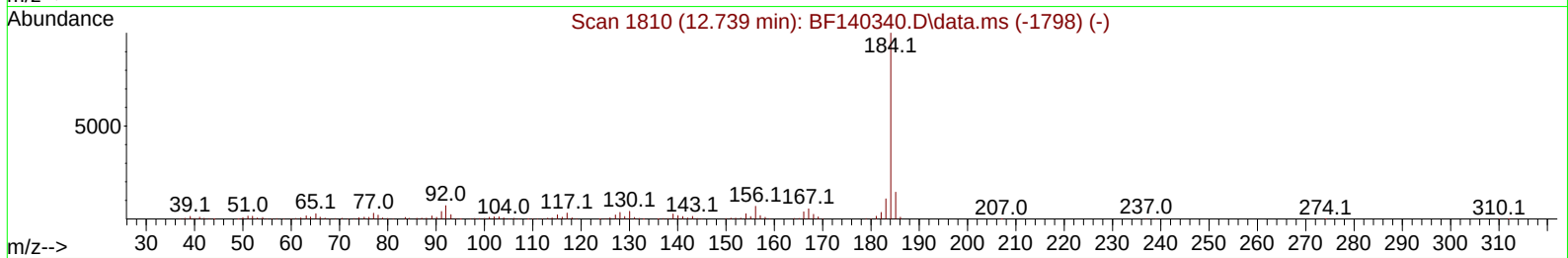
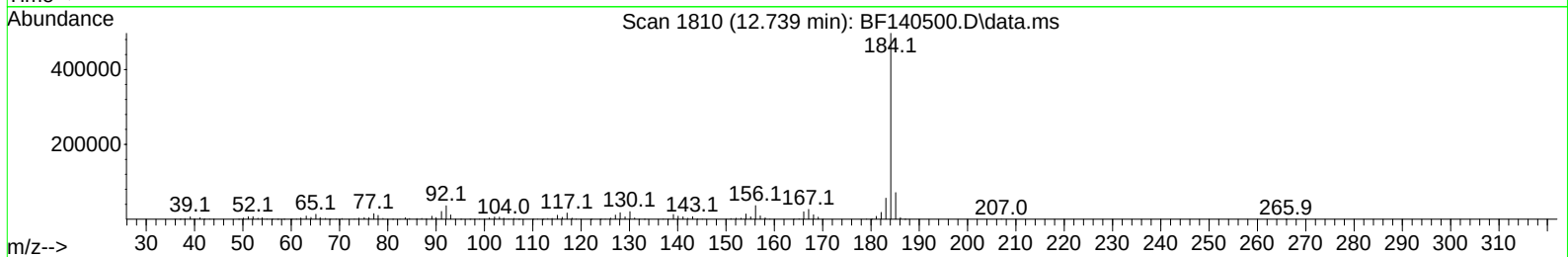
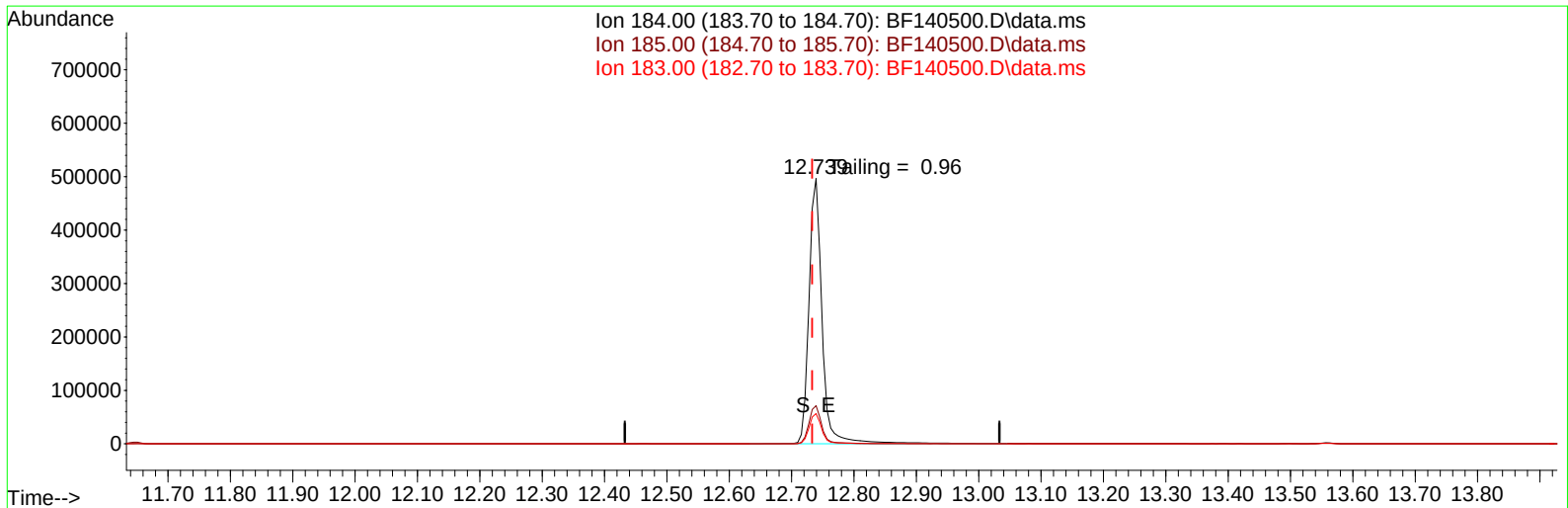
response 185231

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	66.10	68.93
264.00	62.90	64.29
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140500.D
Acq On : 20 Nov 2024 15:33
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Nov 20 17:01:13 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: BF140500.D\data.ms

(77) Benzidine

12.739min (+ 0.006) 19345.82 ng

response 723942

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.90	14.37
183.00	10.80	11.38
0.00	0.00	0.00

Report of Analysis

Client:	JPCL Engineering	Date Collected:	
Project:	Trenton Youth Wrestling	Date Received:	
Client Sample ID:	PB164789BL	SDG No.:	P4768
Lab Sample ID:	PB164789BL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140392.D	1	11/08/24 09:45	11/15/24 10:08	PB164789

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	180	U	180	330	ug/Kg
108-95-2	Phenol	82.8	U	82.8	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	83.6	U	83.6	170	ug/Kg
95-57-8	2-Chlorophenol	83.4	U	83.4	170	ug/Kg
95-48-7	2-Methylphenol	80.5	U	80.5	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	90.8	U	90.8	170	ug/Kg
98-86-2	Acetophenone	86.8	U	86.8	170	ug/Kg
65794-96-9	3+4-Methylphenols	79.7	U	79.7	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	40.3	U	40.3	79.9	ug/Kg
67-72-1	Hexachloroethane	82.9	U	82.9	170	ug/Kg
98-95-3	Nitrobenzene	90.7	U	90.7	170	ug/Kg
78-59-1	Isophorone	84.5	U	84.5	170	ug/Kg
88-75-5	2-Nitrophenol	94.4	U	94.4	170	ug/Kg
105-67-9	2,4-Dimethylphenol	93.1	U	93.1	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	85.7	U	85.7	170	ug/Kg
120-83-2	2,4-Dichlorophenol	75.4	U	75.4	170	ug/Kg
91-20-3	Naphthalene	82.5	U	82.5	170	ug/Kg
106-47-8	4-Chloroaniline	82.5	U	82.5	170	ug/Kg
87-68-3	Hexachlorobutadiene	83.2	U	83.2	170	ug/Kg
105-60-2	Caprolactam	86.7	U	86.7	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	77.4	U	77.4	170	ug/Kg
91-57-6	2-Methylnaphthalene	82.4	U	82.4	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	U	160	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	71.3	U	71.3	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	73.9	U	73.9	170	ug/Kg
92-52-4	1,1-Biphenyl	87.3	U	87.3	170	ug/Kg
91-58-7	2-Chloronaphthalene	83.2	U	83.2	170	ug/Kg
88-74-4	2-Nitroaniline	94.9	U	94.9	170	ug/Kg
131-11-3	Dimethylphthalate	81.6	U	81.6	170	ug/Kg

Report of Analysis

Client:	JPCL Engineering	Date Collected:	
Project:	Trenton Youth Wrestling	Date Received:	
Client Sample ID:	PB164789BL	SDG No.:	P4768
Lab Sample ID:	PB164789BL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140392.D	1	11/08/24 09:45	11/15/24 10:08	PB164789

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	86.4	U	86.4	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	83.1	U	83.1	170	ug/Kg
99-09-2	3-Nitroaniline	89.1	U	89.1	170	ug/Kg
83-32-9	Acenaphthene	81.0	U	81.0	170	ug/Kg
51-28-5	2,4-Dinitrophenol	240	U	240	330	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	330	ug/Kg
132-64-9	Dibenzofuran	84.3	U	84.3	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	86.1	U	86.1	170	ug/Kg
84-66-2	Diethylphthalate	80.0	U	80.0	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	85.5	U	85.5	170	ug/Kg
86-73-7	Fluorene	85.4	U	85.4	170	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	81.5	U	81.5	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	78.8	U	78.8	170	ug/Kg
118-74-1	Hexachlorobenzene	84.9	U	84.9	170	ug/Kg
1912-24-9	Atrazine	91.3	U	91.3	170	ug/Kg
87-86-5	Pentachlorophenol	77.2	U	77.2	330	ug/Kg
85-01-8	Phenanthrene	83.9	U	83.9	170	ug/Kg
120-12-7	Anthracene	84.3	U	84.3	170	ug/Kg
86-74-8	Carbazole	80.2	U	80.2	170	ug/Kg
84-74-2	Di-n-butylphthalate	84.2	U	84.2	170	ug/Kg
206-44-0	Fluoranthene	81.6	U	81.6	170	ug/Kg
129-00-0	Pyrene	82.9	U	82.9	170	ug/Kg
85-68-7	Butylbenzylphthalate	96.7	U	96.7	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	98.5	U	98.5	330	ug/Kg
56-55-3	Benzo(a)anthracene	80.6	U	80.6	170	ug/Kg
218-01-9	Chrysene	79.4	U	79.4	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	90.9	U	90.9	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	81.0	U	81.0	170	ug/Kg

Report of Analysis

Client:	JPCL Engineering	Date Collected:	
Project:	Trenton Youth Wrestling	Date Received:	
Client Sample ID:	PB164789BL	SDG No.:	P4768
Lab Sample ID:	PB164789BL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140392.D	1	11/08/24 09:45	11/15/24 10:08	PB164789

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	82.5	U	82.5	170	ug/Kg
50-32-8	Benzo(a)pyrene	92.9	U	92.9	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78.0	U	78.0	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81.1	U	81.1	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80.0	U	80.0	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	86.7	U	86.7	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	74.6	U	74.6	170	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	123		18 - 112	82%	SPK: 150
13127-88-3	Phenol-d6	118		15 - 107	79%	SPK: 150
4165-60-0	Nitrobenzene-d5	84.1		18 - 107	84%	SPK: 100
321-60-8	2-Fluorobiphenyl	83.6		20 - 109	84%	SPK: 100
118-79-6	2,4,6-Tribromophenol	121		10 - 116	81%	SPK: 150
1718-51-0	Terphenyl-d14	78.1		10 - 105	78%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	139000	6.875
1146-65-2	Naphthalene-d8	521000	8.157
15067-26-2	Acenaphthene-d10	292000	9.91
1517-22-2	Phenanthrene-d10	557000	11.404
1719-03-5	Chrysene-d12	390000	14.057
1520-96-3	Perylene-d12	334000	15.58

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	130	J	2.21	ug/Kg
000141-79-7	3-Penten-2-one, 4-methyl-	390	A	4.49	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	820	A	5.11	ug/Kg

Report of Analysis

Client:	JPCL Engineering	Date Collected:	
Project:	Trenton Youth Wrestling	Date Received:	
Client Sample ID:	PB164789BL	SDG No.:	P4768
Lab Sample ID:	PB164789BL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140392.D	1	11/08/24 09:45	11/15/24 10:08	PB164789

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

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\BF111524\
Data File : BF140392.D
Acq On : 15 Nov 2024 10:08
Operator : RC/JU
Sample : PB164789BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB164789BL

Quant Time: Nov 15 10:41:08 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	139459	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	521031	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	292158	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	556998	20.000	ng	0.00
76) Chrysene-d12	14.057	240	390196	20.000	ng	0.00
86) Perylene-d12	15.580	264	333601	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	1002140	122.691	ng	0.03
7) Phenol-d6	6.522	99	1305353	117.957	ng	0.02
23) Nitrobenzene-d5	7.440	82	840905	84.090	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	351266	120.906	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	1519879	83.629	ng	0.00
79) Terphenyl-d14	12.992	244	1756649	78.145	ng	0.00

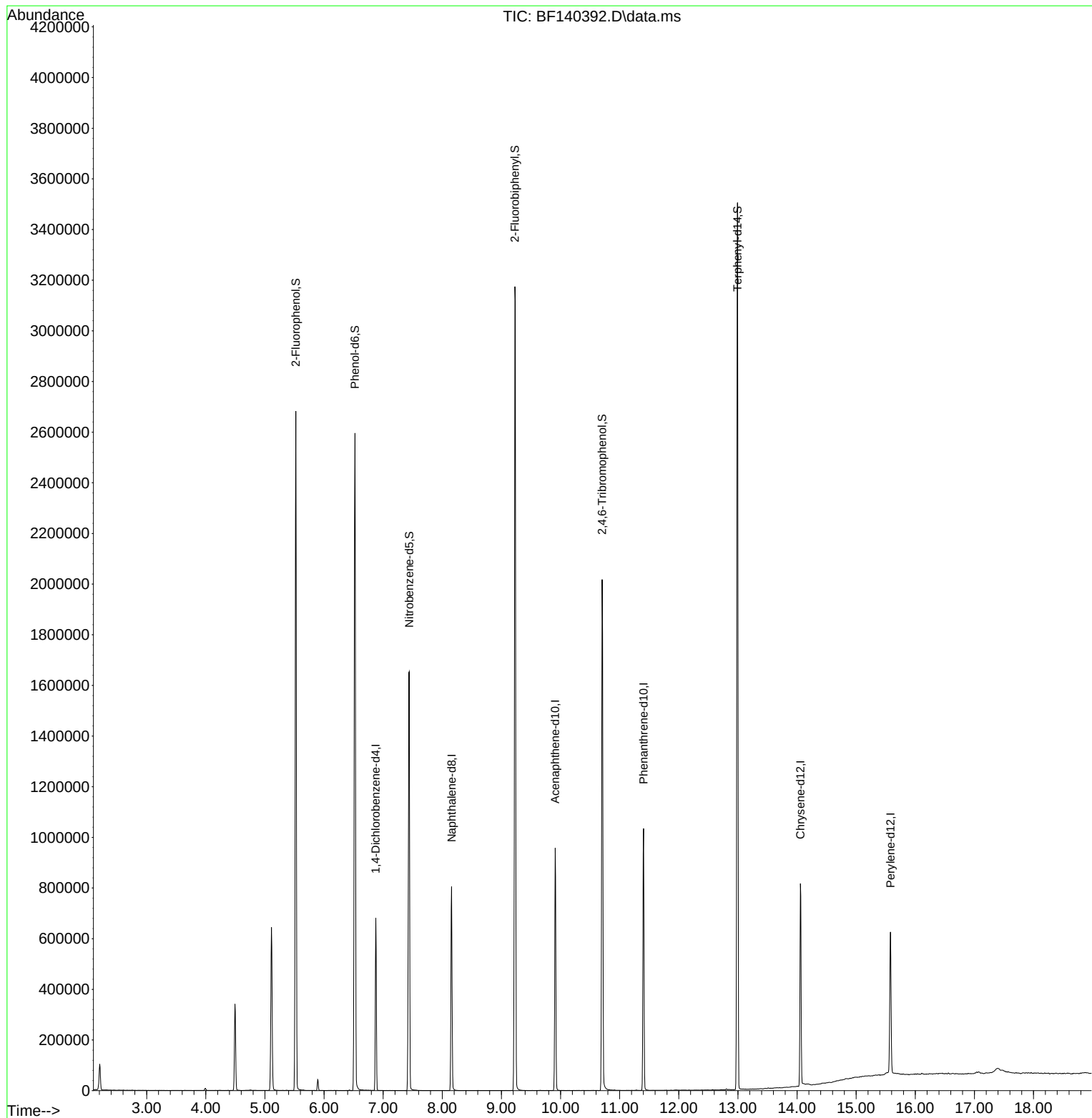
Target Compounds	Qvalue

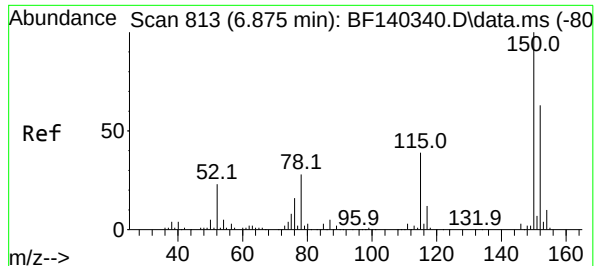
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111524\
Data File : BF140392.D
Acq On : 15 Nov 2024 10:08
Operator : RC/JU
Sample : PB164789BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB164789BL

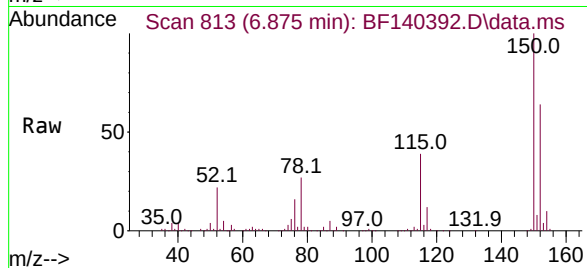
Quant Time: Nov 15 10:41:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration



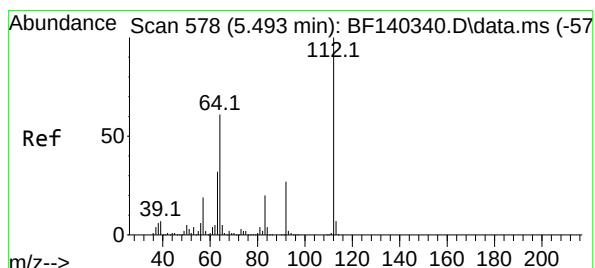
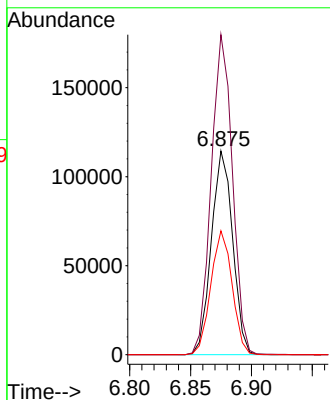
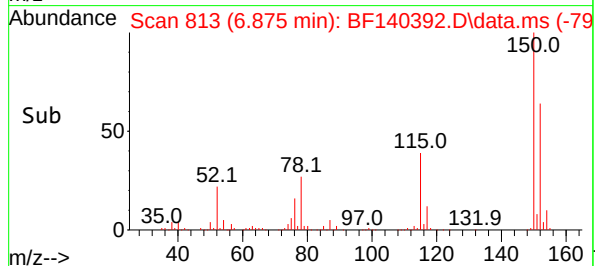


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF140392.D
Acq: 15 Nov 2024 10:08

Instrument :
BNA_F
ClientSampleId :
PB164789BL

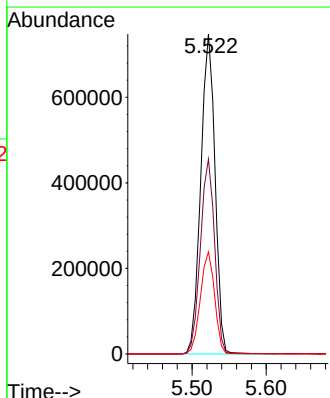
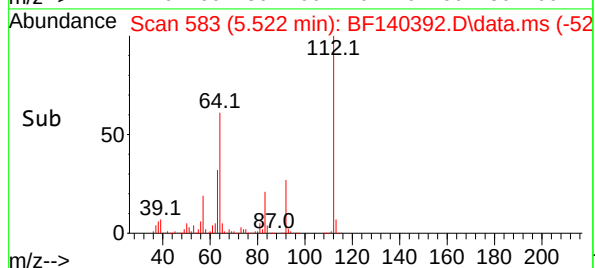
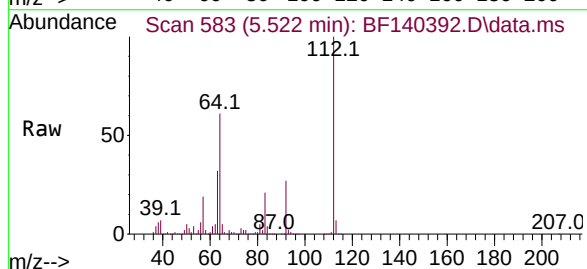


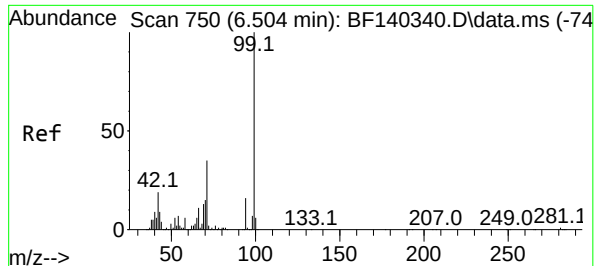
Tgt Ion:152 Resp: 139459
Ion Ratio Lower Upper
152 100
150 157.1 127.4 191.0
115 60.8 47.4 71.2



#5
2-Fluorophenol
Concen: 122.691 ng
RT: 5.522 min Scan# 583
Delta R.T. 0.029 min
Lab File: BF140392.D
Acq: 15 Nov 2024 10:08

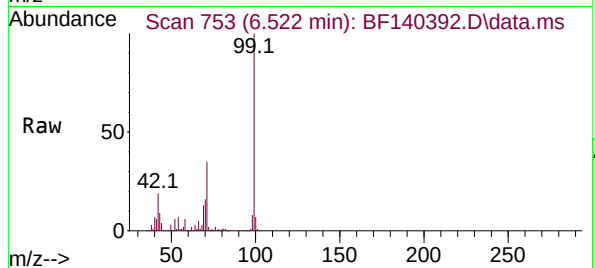
Tgt Ion:112 Resp: 1002140
Ion Ratio Lower Upper
112 100
64 60.9 49.2 73.8
63 31.9 25.6 38.4



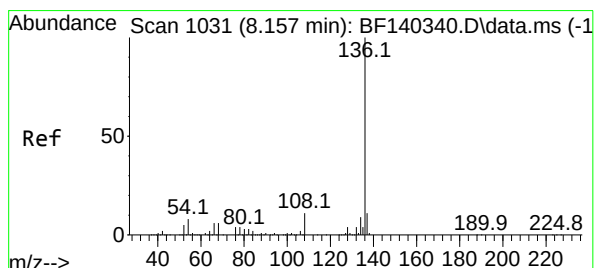
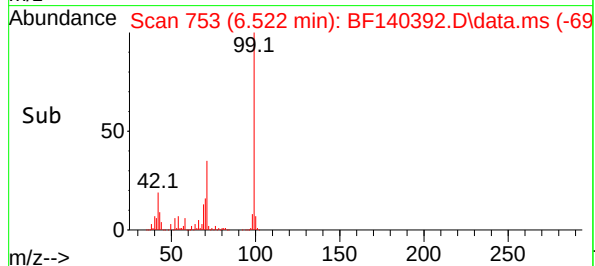
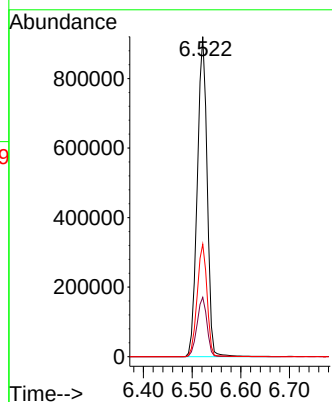


#7
Phenol-d6
Concen: 117.957 ng
RT: 6.522 min Scan# 71
Delta R.T. 0.018 min
Lab File: BF140392.D
Acq: 15 Nov 2024 10:08

Instrument :
BNA_F
ClientSampleId :
PB164789BL

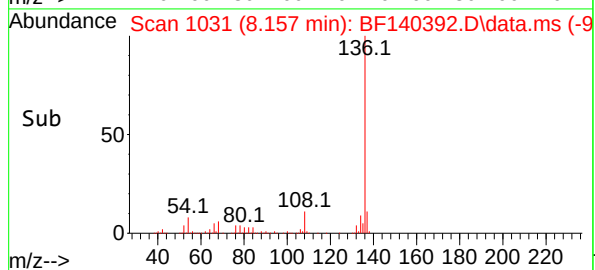
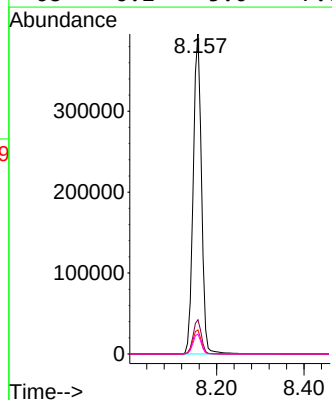
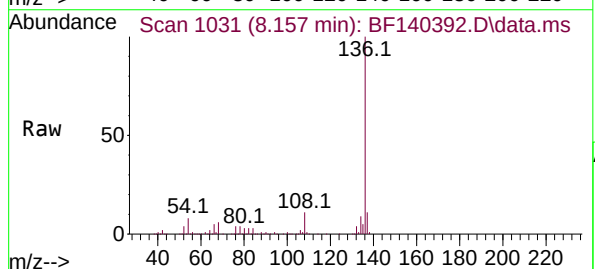


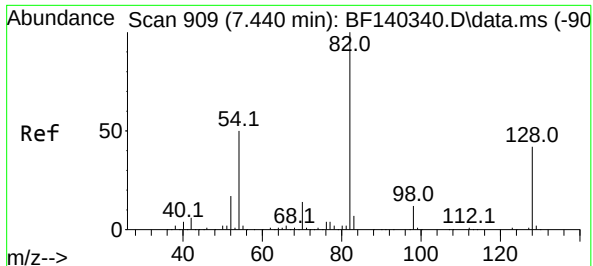
Tgt Ion: 99 Resp: 1305353
Ion Ratio Lower Upper
99 100
42 18.6 15.1 22.7
71 35.1 27.9 41.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.000 min
Lab File: BF140392.D
Acq: 15 Nov 2024 10:08

Tgt Ion: 136 Resp: 521031
Ion Ratio Lower Upper
136 100
137 10.7 8.7 13.1
54 7.5 6.5 9.7
68 6.2 5.0 7.6





#23

Nitrobenzene-d5

Concen: 84.090 ng

RT: 7.440 min Scan# 909

Delta R.T. -0.000 min

Lab File: BF140392.D

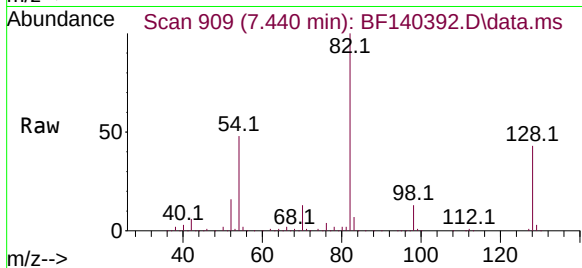
Acq: 15 Nov 2024 10:08

Instrument :

BNA_F

ClientSampleId :

PB164789BL



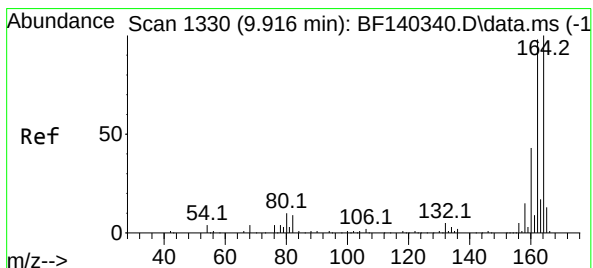
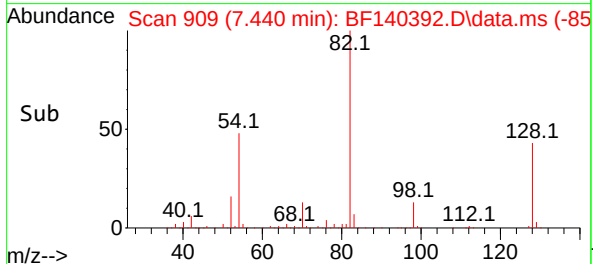
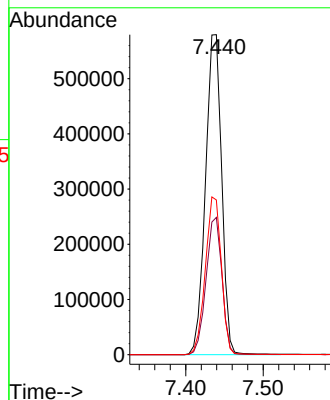
Tgt Ion: 82 Resp: 840905

Ion Ratio Lower Upper

82 100

128 42.9 33.3 49.9

54 48.4 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: BF140392.D

Acq: 15 Nov 2024 10:08

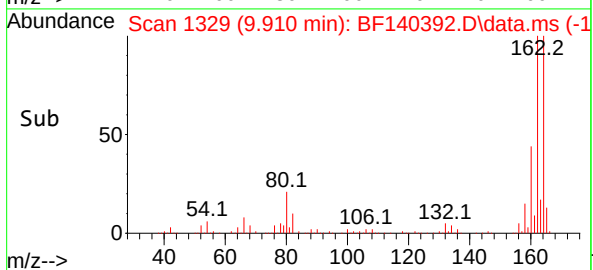
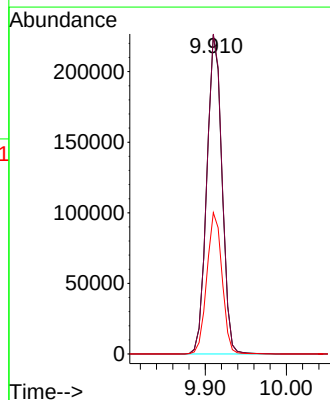
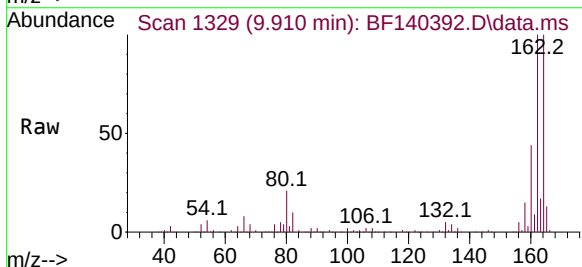
Tgt Ion:164 Resp: 292158

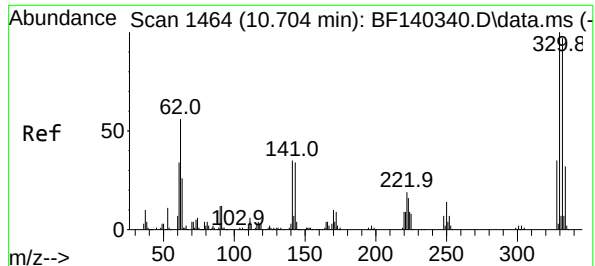
Ion Ratio Lower Upper

164 100

162 100.4 79.8 119.8

160 44.3 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 120.906 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.000 min

Lab File: BF140392.D

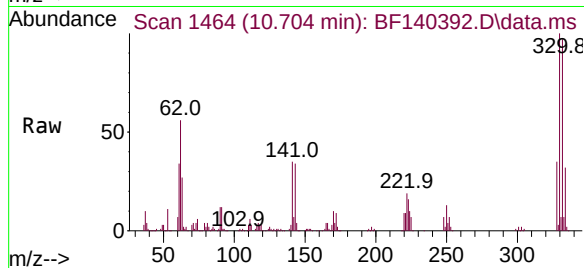
Acq: 15 Nov 2024 10:08

Instrument :

BNA_F

ClientSampleId :

PB164789BL



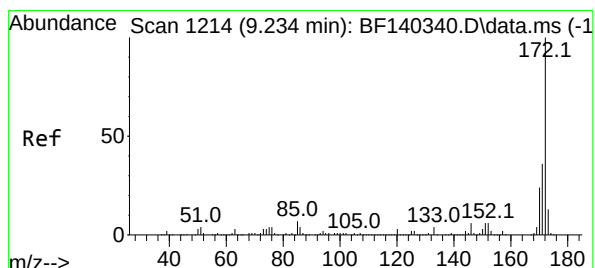
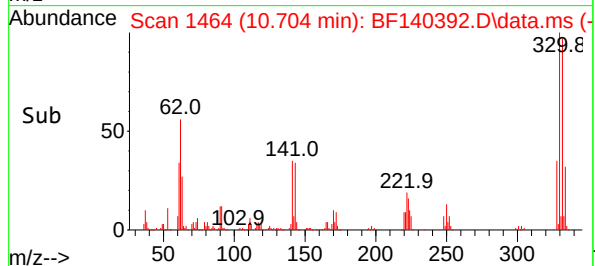
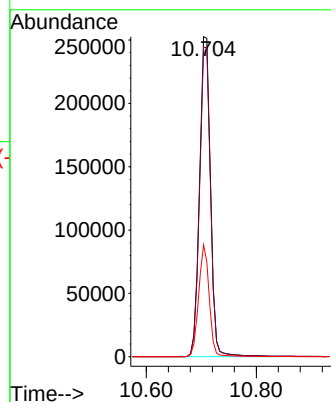
Tgt Ion:330 Resp: 351266

Ion Ratio Lower Upper

330 100

332 96.7 75.9 113.9

141 33.6 26.9 40.3



#45

2-Fluorobiphenyl

Concen: 83.629 ng

RT: 9.228 min Scan# 1213

Delta R.T. -0.006 min

Lab File: BF140392.D

Acq: 15 Nov 2024 10:08

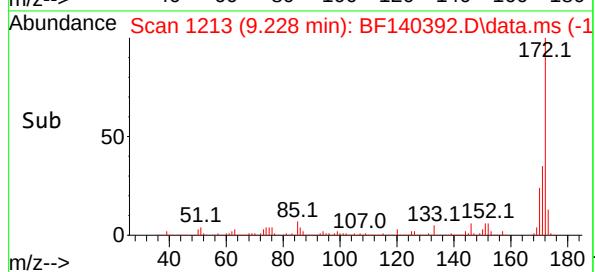
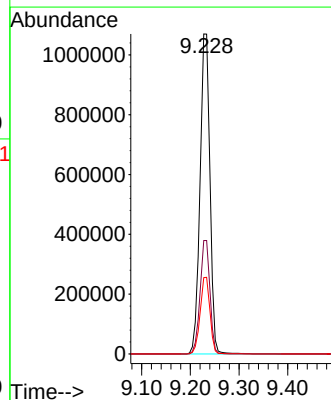
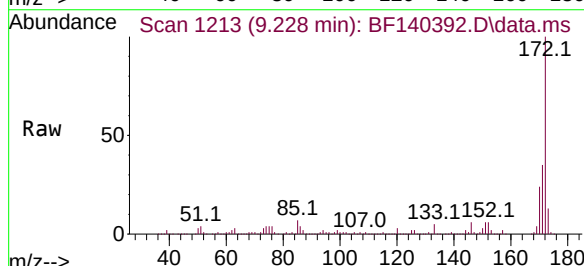
Tgt Ion:172 Resp: 1519879

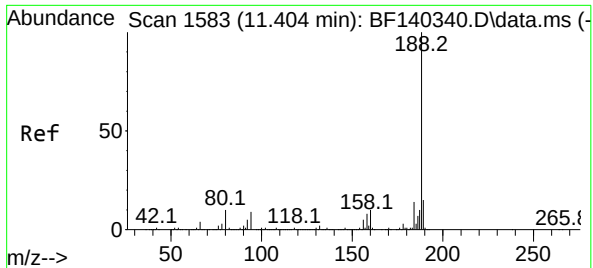
Ion Ratio Lower Upper

172 100

171 35.4 28.5 42.7

170 23.9 19.1 28.7

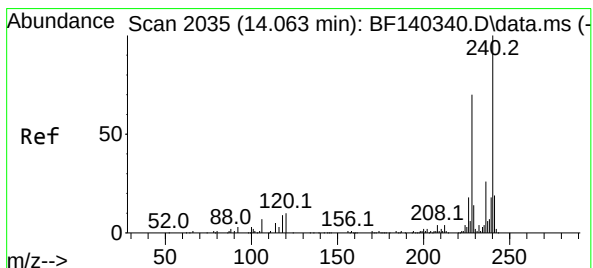
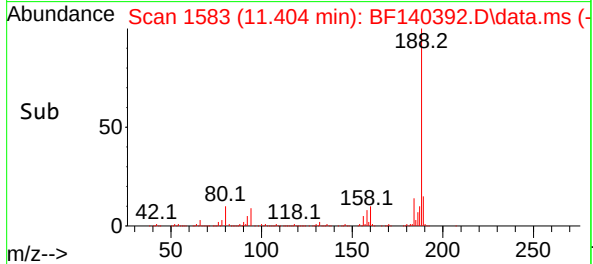
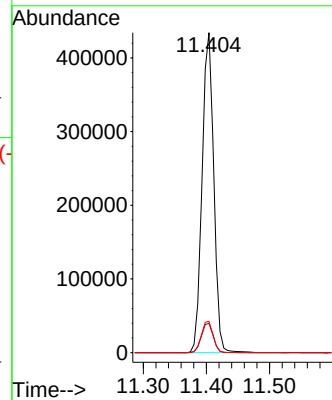
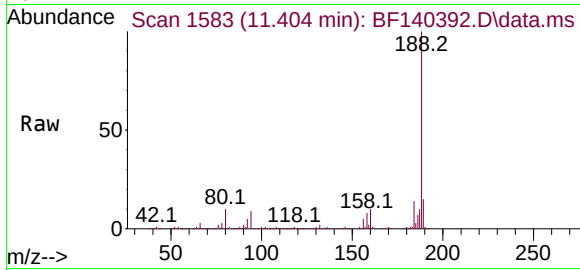




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF140392.D
Acq: 15 Nov 2024 10:08

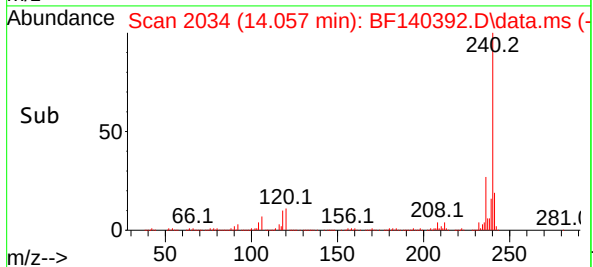
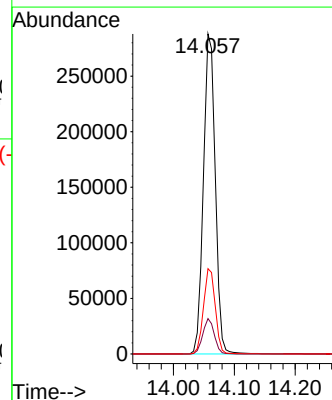
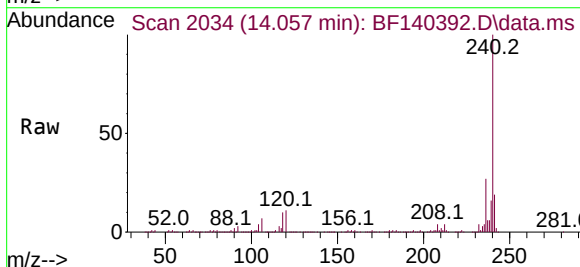
Instrument :
BNA_F
ClientSampleId :
PB164789BL

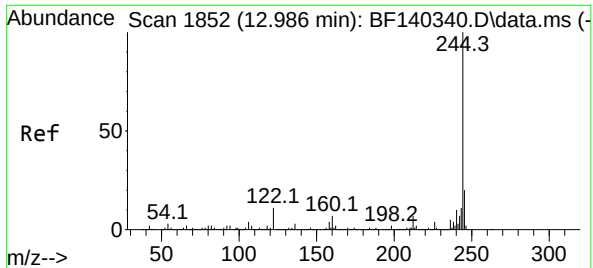
Tgt Ion:188 Resp: 556998
Ion Ratio Lower Upper
188 100
94 9.1 7.6 11.4
80 9.8 8.0 12.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2034
Delta R.T. 0.006 min
Lab File: BF140392.D
Acq: 15 Nov 2024 10:08

Tgt Ion:240 Resp: 390196
Ion Ratio Lower Upper
240 100
120 11.1 8.8 13.2
236 26.7 20.9 31.3





#79

Terphenyl-d14

Concen: 78.145 ng

RT: 12.992 min Scan# 1853

Delta R.T. 0.006 min

Lab File: BF140392.D

Acq: 15 Nov 2024 10:08

Instrument :

BNA_F

ClientSampleId :

PB164789BL

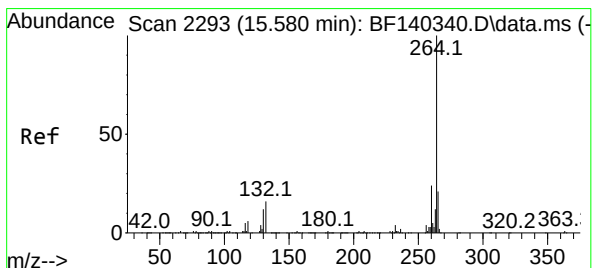
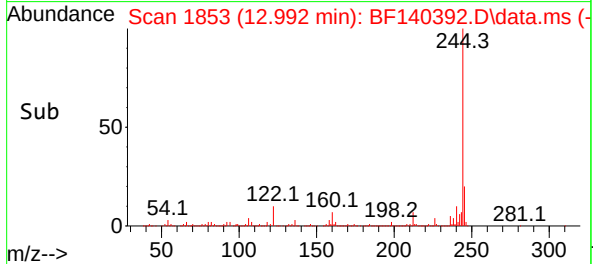
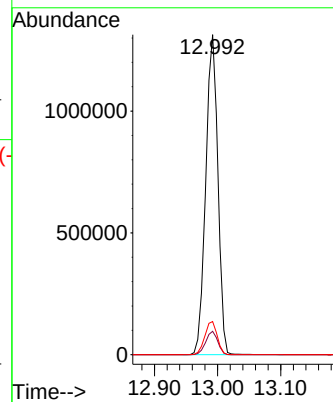
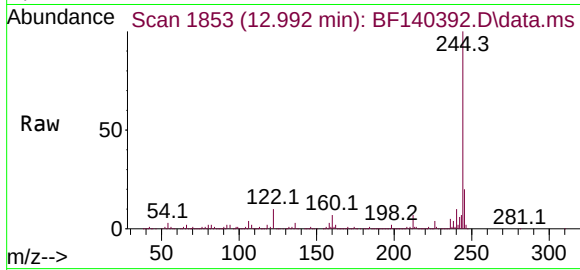
Tgt Ion:244 Resp: 1756649

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.8

122 10.3 8.8 13.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.580 min Scan# 2293

Delta R.T. 0.024 min

Lab File: BF140392.D

Acq: 15 Nov 2024 10:08

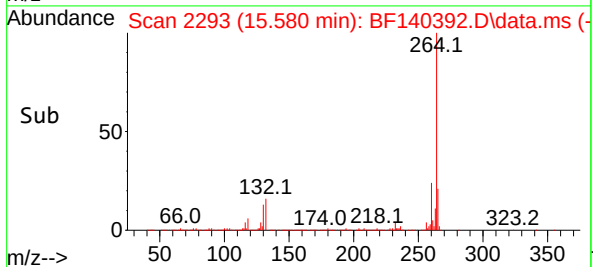
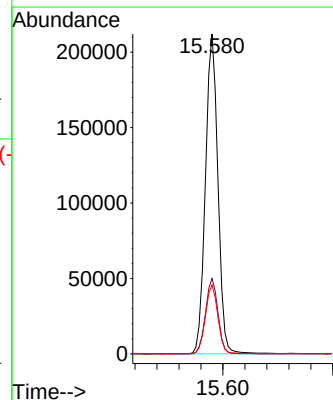
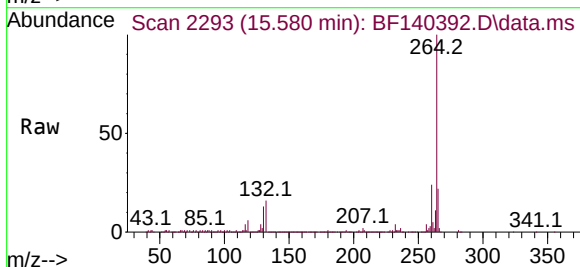
Tgt Ion:264 Resp: 333601

Ion Ratio Lower Upper

264 100

260 23.6 19.2 28.8

265 21.6 17.1 25.7



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111524\
Data File : BF140392.D
Acq On : 15 Nov 2024 10:08
Operator : RC/JU
Sample : PB164789BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB164789BL

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF140392.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.205	11	19	26	rVB	102671	166949	3.56%	0.564%
2	4.493	400	408	424	rBV	340803	484892	10.35%	1.639%
3	5.110	506	513	528	rBV	643677	1018474	21.73%	3.443%
4	5.522	576	583	588	rBV	2681943	3573993	76.27%	12.083%
5	5.893	641	646	652	rBV	42807	54387	1.16%	0.184%
6	6.522	746	753	758	rBV	2595514	3653717	77.97%	12.352%
7	6.875	808	813	818	rBV	681252	824165	17.59%	2.786%
8	7.440	902	909	914	rBV	1653746	2388397	50.97%	8.074%
9	8.157	1025	1031	1044	rBV	805274	1057254	22.56%	3.574%
10	9.228	1207	1213	1219	rBV	3173776	4420963	94.34%	14.946%
11	9.910	1323	1329	1339	rBV	958130	1235339	26.36%	4.176%
12	10.704	1458	1464	1489	rBV	2017327	2729303	58.24%	9.227%
13	11.404	1577	1583	1598	rBV	1033961	1326128	28.30%	4.483%
14	12.992	1846	1853	1858	rBV	3501681	4686110	100.00%	15.842%
15	14.057	2029	2034	2041	rBV	800843	1088432	23.23%	3.680%
16	15.580	2287	2293	2303	rVB	557222	871055	18.59%	2.945%

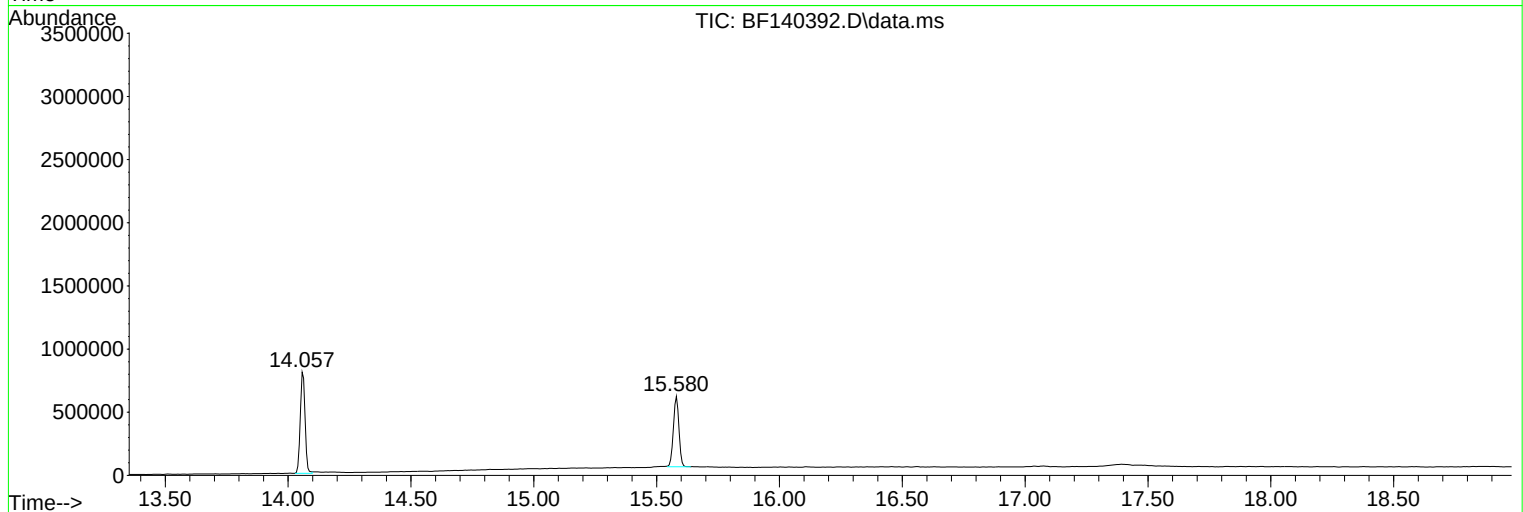
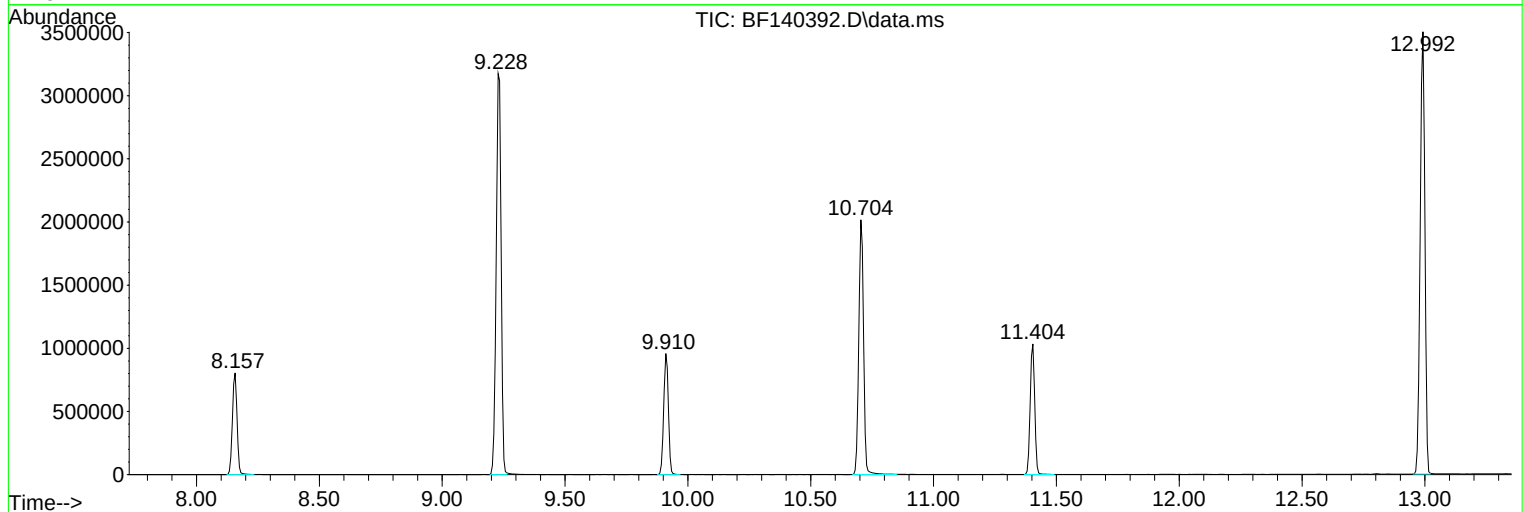
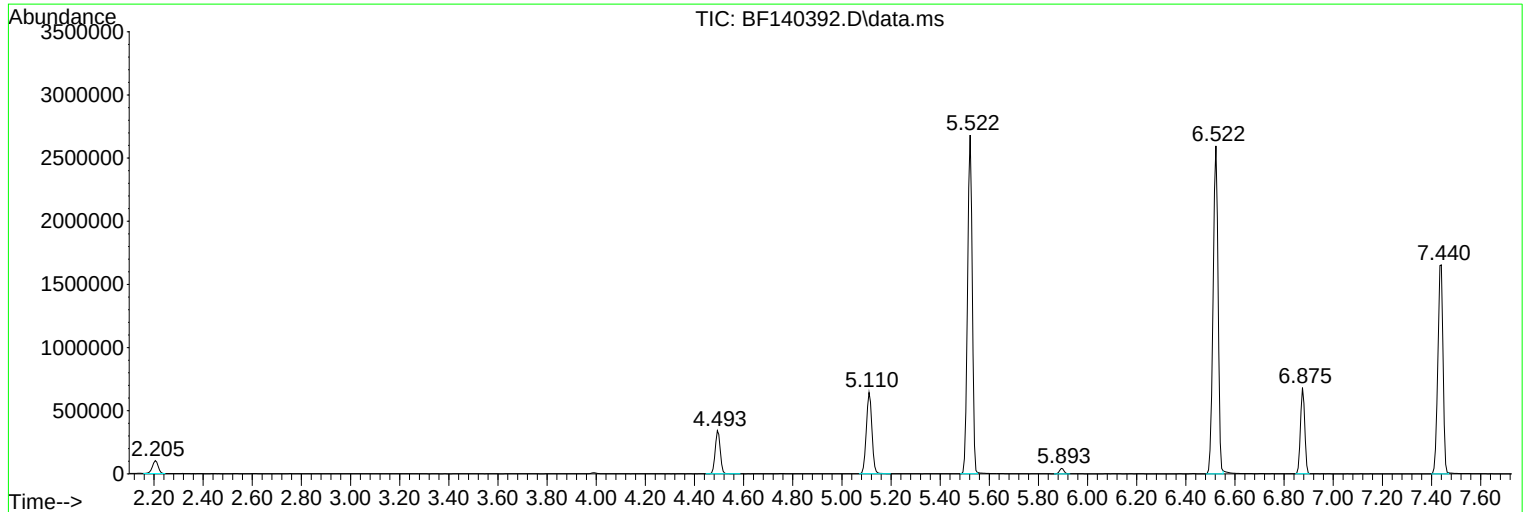
Sum of corrected areas: 29579558

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111524\
Data File : BF140392.D
Acq On : 15 Nov 2024 10:08
Operator : RC/JU
Sample : PB164789BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB164789BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111524\
Data File : BF140392.D
Acq On : 15 Nov 2024 10:08
Operator : RC/JU
Sample : PB164789BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB164789BL

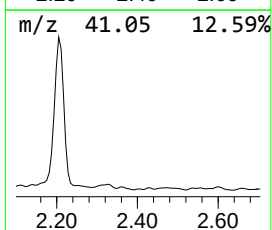
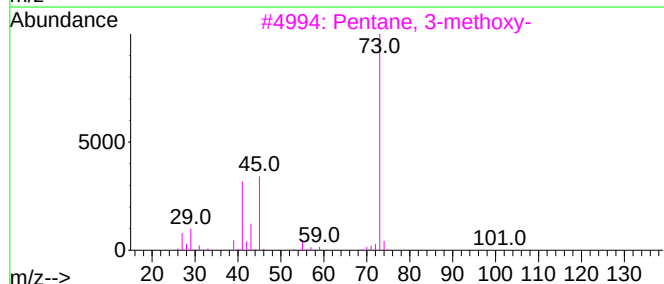
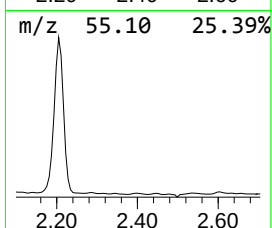
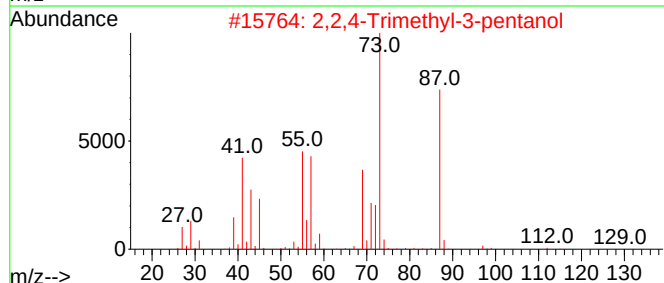
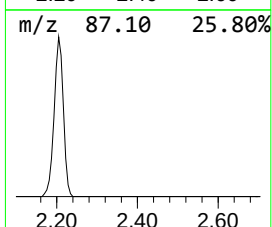
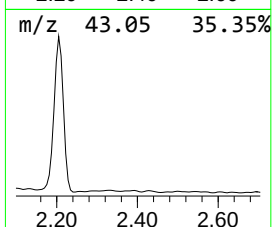
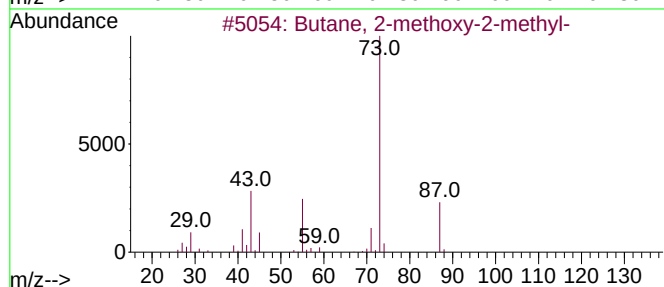
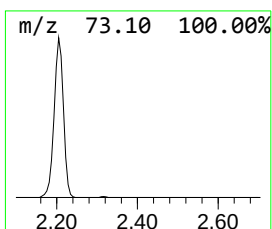
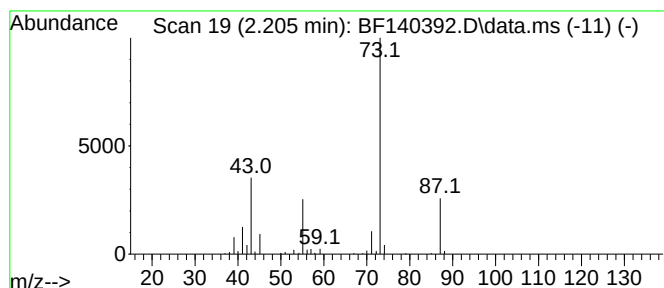
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.205	4.05 ng	166949	1,4-Dichlorobenzene-d4	6.875

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3			Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
4			Silane, tetramethyl-	88	C4H12Si	000075-76-3	12
5			Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	10



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111524\
Data File : BF140392.D
Acq On : 15 Nov 2024 10:08
Operator : RC/JU
Sample : PB164789BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB164789BL

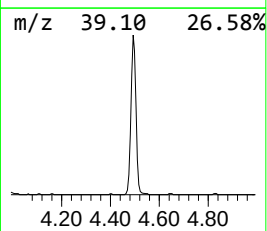
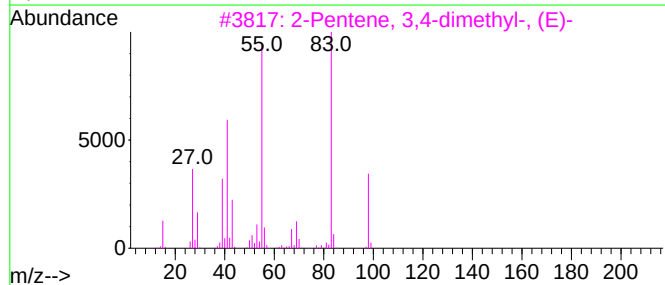
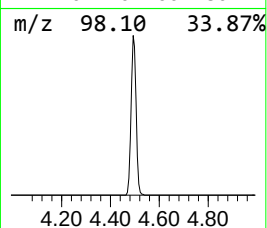
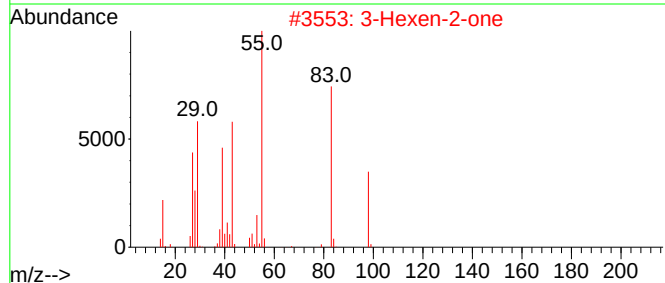
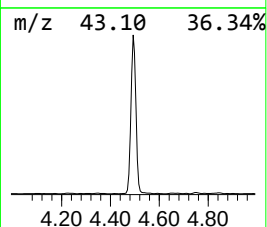
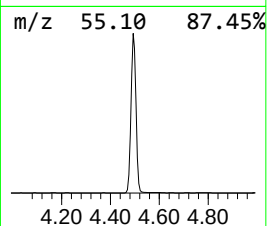
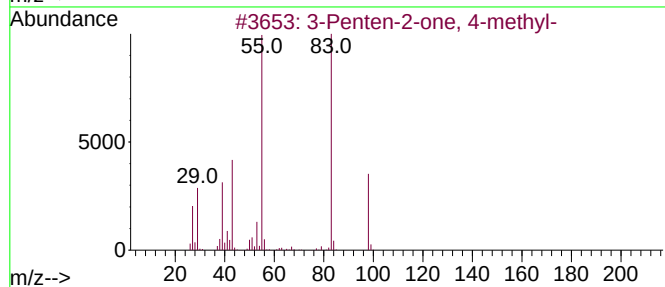
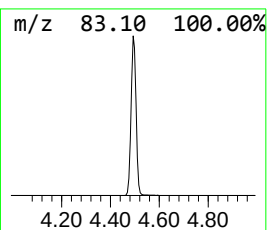
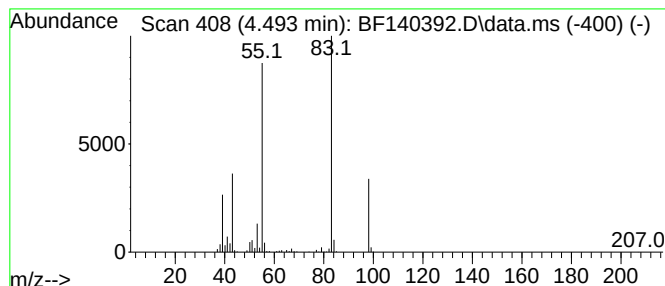
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 3-Penten-2-one, 4-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.493	11.77 ng	484892	1,4-Dichlorobenzene-d4	6.875

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	95
2		3-Hexen-2-one	98	C6H10O	000763-93-9	91
3		2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	90
4		2-Pentene, 2,4-dimethyl-	98	C7H14	000625-65-0	87
5		2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	86



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111524\
Data File : BF140392.D
Acq On : 15 Nov 2024 10:08
Operator : RC/JU
Sample : PB164789BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB164789BL

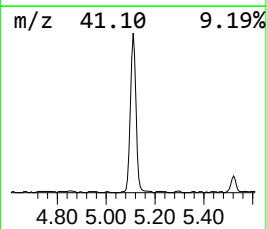
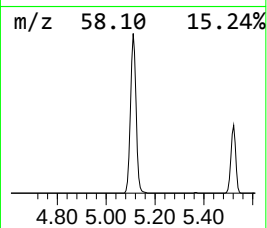
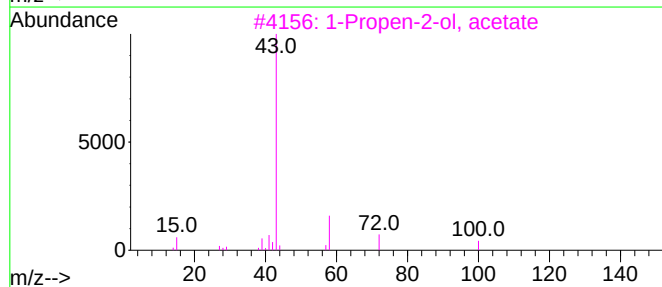
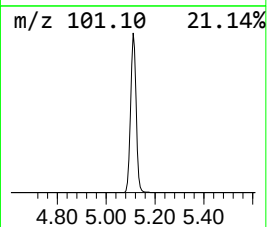
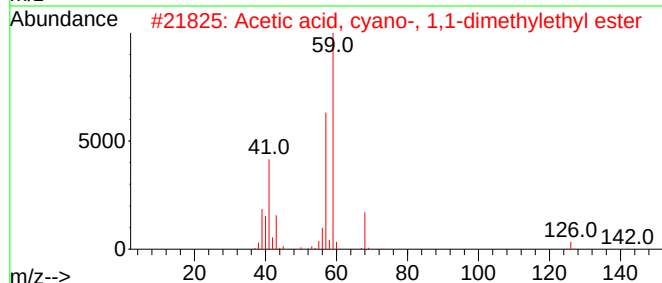
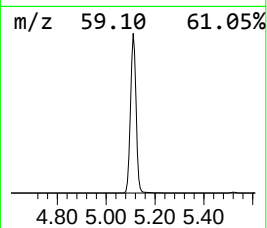
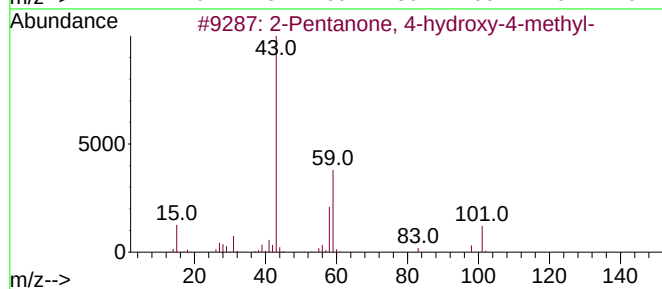
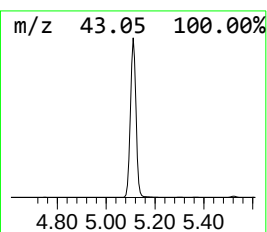
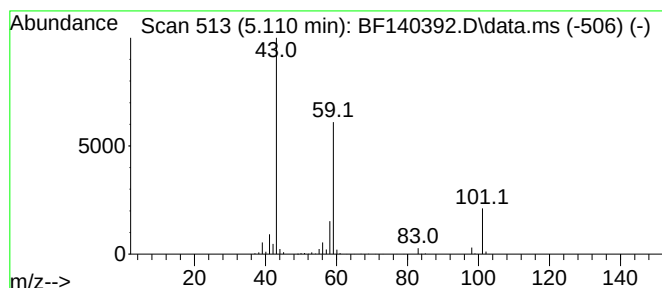
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.110	24.72 ng	1018470	1,4-Dichlorobenzene-d4	6.875

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72		
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25		
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10		
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9		
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9		



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111524\
Data File : BF140392.D
Acq On : 15 Nov 2024 10:08
Operator : RC/JU
Sample : PB164789BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB164789BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-metho...	2.205	4.0	ng	166949	1	6.875	824165	20.0
3-Penten-2-one,...	4.493	11.8	ng	484892	1	6.875	824165	20.0
2-Pentanone, 4-...	5.110	24.7	ng	1018470	1	6.875	824165	20.0

Report of Analysis

Client:	JPCL Engineering	Date Collected:	
Project:	Trenton Youth Wrestling	Date Received:	
Client Sample ID:	PB164789BS	SDG No.:	P4768
Lab Sample ID:	PB164789BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140393.D	1	11/08/24 09:45	11/15/24 10:34	PB164789

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	190	J	180	330	ug/Kg
108-95-2	Phenol	1400		82.9	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1400		83.7	170	ug/Kg
95-57-8	2-Chlorophenol	1500		83.5	170	ug/Kg
95-48-7	2-Methylphenol	1400		80.6	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1400		90.9	170	ug/Kg
98-86-2	Acetophenone	1400		86.9	170	ug/Kg
65794-96-9	3+4-Methylphenols	1400		79.8	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1400		40.3	80.0	ug/Kg
67-72-1	Hexachloroethane	1400		83.0	170	ug/Kg
98-95-3	Nitrobenzene	1400		90.8	170	ug/Kg
78-59-1	Isophorone	1400		84.6	170	ug/Kg
88-75-5	2-Nitrophenol	1500		94.5	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1800		93.2	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1400		85.8	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1500		75.5	170	ug/Kg
91-20-3	Naphthalene	1400		82.6	170	ug/Kg
106-47-8	4-Chloroaniline	1300		82.6	170	ug/Kg
87-68-3	Hexachlorobutadiene	1400		83.3	170	ug/Kg
105-60-2	Caprolactam	1500		86.8	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1500		77.5	170	ug/Kg
91-57-6	2-Methylnaphthalene	1400		82.5	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	5400	E	160	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1500		71.4	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1400		74.0	170	ug/Kg
92-52-4	1,1-Biphenyl	1400		87.4	170	ug/Kg
91-58-7	2-Chloronaphthalene	1400		83.3	170	ug/Kg
88-74-4	2-Nitroaniline	1500		95.0	170	ug/Kg
131-11-3	Dimethylphthalate	1400		81.7	170	ug/Kg

Report of Analysis

Client:	JPCL Engineering	Date Collected:	
Project:	Trenton Youth Wrestling	Date Received:	
Client Sample ID:	PB164789BS	SDG No.:	P4768
Lab Sample ID:	PB164789BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140393.D	1	11/08/24 09:45	11/15/24 10:34	PB164789

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1500		86.5	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1400		83.2	170	ug/Kg
99-09-2	3-Nitroaniline	1200		89.2	170	ug/Kg
83-32-9	Acenaphthene	1600		81.1	170	ug/Kg
51-28-5	2,4-Dinitrophenol	3200	E	240	330	ug/Kg
100-02-7	4-Nitrophenol	3000	E	120	330	ug/Kg
132-64-9	Dibenzofuran	1400		84.4	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1500		86.2	170	ug/Kg
84-66-2	Diethylphthalate	1400		80.1	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1400		85.6	170	ug/Kg
86-73-7	Fluorene	1400		85.5	170	ug/Kg
100-01-6	4-Nitroaniline	1500		110	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1600		120	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1500		81.6	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1400		78.9	170	ug/Kg
118-74-1	Hexachlorobenzene	1400		85.0	170	ug/Kg
1912-24-9	Atrazine	1100		91.4	170	ug/Kg
87-86-5	Pentachlorophenol	2700	E	77.3	330	ug/Kg
85-01-8	Phenanthrene	1500		84.0	170	ug/Kg
120-12-7	Anthracene	1500		84.4	170	ug/Kg
86-74-8	Carbazole	1500		80.3	170	ug/Kg
84-74-2	Di-n-butylphthalate	1400		84.3	170	ug/Kg
206-44-0	Fluoranthene	1400		81.7	170	ug/Kg
129-00-0	Pyrene	1500		83.0	170	ug/Kg
85-68-7	Butylbenzylphthalate	1500		96.8	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1300		98.6	330	ug/Kg
56-55-3	Benzo(a)anthracene	1500		80.7	170	ug/Kg
218-01-9	Chrysene	1500		79.5	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1400		91.0	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1400		110	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1400		81.1	170	ug/Kg

Report of Analysis

Client:	JPCL Engineering	Date Collected:	
Project:	Trenton Youth Wrestling	Date Received:	
Client Sample ID:	PB164789BS	SDG No.:	P4768
Lab Sample ID:	PB164789BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140393.D	1	11/08/24 09:45	11/15/24 10:34	PB164789

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1500		82.6	170	ug/Kg
50-32-8	Benzo(a)pyrene	1600		93.0	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1600		78.1	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1500		81.2	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1400		80.1	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1400		86.8	170	ug/Kg
123-91-1	1,4-Dioxane	1100		110	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1600		74.7	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	123		18 - 112	82%	SPK: 150
13127-88-3	Phenol-d6	117		15 - 107	78%	SPK: 150
4165-60-0	Nitrobenzene-d5	84.8		18 - 107	85%	SPK: 100
321-60-8	2-Fluorobiphenyl	83.7		20 - 109	84%	SPK: 100
118-79-6	2,4,6-Tribromophenol	130		10 - 116	87%	SPK: 150
1718-51-0	Terphenyl-d14	92.3		10 - 105	92%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	137000	6.875			
1146-65-2	Naphthalene-d8	514000	8.157			
15067-26-2	Acenaphthene-d10	288000	9.916			
1517-22-2	Phenanthrene-d10	537000	11.404			
1719-03-5	Chrysene-d12	317000	14.074			
1520-96-3	Perylene-d12	291000	15.598			

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\BF111524\
 Data File : BF140393.D
 Acq On : 15 Nov 2024 10:34
 Operator : RC/JU
 Sample : PB164789BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

PB164789BS

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/18/2024

Supervised By :mohammad ahmed 11/18/2024

Quant Time: Nov 15 10:59:12 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	137404	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	514072	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	287836	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	536724	20.000	ng	0.00
76) Chrysene-d12	14.074	240	317210	20.000	ng	0.02
86) Perylene-d12	15.598	264	291377	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	990091	123.029	ng	0.03
7) Phenol-d6	6.528	99	1280343	117.428	ng	0.02
23) Nitrobenzene-d5	7.440	82	836591	84.791	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	373256	130.404	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	1498050	83.665	ng	0.00
79) Terphenyl-d14	12.992	244	1685980	92.258	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.716	88	123586	34.456	ng	100
3) Pyridine	3.475	79	331501	37.594	ng	100
4) n-Nitrosodimethylamine	3.428	42	188597	42.318	ng	100
6) Aniline	6.540	93	414064	43.655	ng	# 24
8) 2-Chlorophenol	6.669	128	381885	44.176	ng	98
9) Benzaldehyde	6.428	77	36794	5.631	ng	98
10) Phenol	6.540	94	474305	41.250	ng	# 65
11) bis(2-Chloroethyl)ether	6.610	93	371031	42.587	ng	100
12) 1,3-Dichlorobenzene	6.816	146	393660	41.272	ng	99
13) 1,4-Dichlorobenzene	6.893	146	392709	40.605	ng	99
14) 1,2-Dichlorobenzene	7.045	146	382193	42.568	ng	99
15) Benzyl Alcohol	7.022	79	339155	43.174	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.145	45	490201	40.734	ng	# 40
17) 2-Methylphenol	7.140	107	300730	42.288	ng	# 90
18) Hexachloroethane	7.387	117	146897	41.086	ng	98
19) n-Nitroso-di-n-propyla...	7.287	70	269948	40.994	ng	99
20) 3+4-Methylphenols	7.293	107	378063	42.510	ng	94
22) Acetophenone	7.287	105	507637	42.458	ng	99
24) Nitrobenzene	7.457	77	419739	40.860	ng	99
25) Isophorone	7.698	82	738403	42.227	ng	99
26) 2-Nitrophenol	7.775	139	200521	43.987	ng	99
27) 2,4-Dimethylphenol	7.816	122	309252m	52.989	ng	
28) bis(2-Chloroethoxy)met...	7.904	93	440947	41.125	ng	99
29) 2,4-Dichlorophenol	8.022	162	316416	43.869	ng	99
30) 1,2,4-Trichlorobenzene	8.098	180	323921	40.338	ng	99
31) Naphthalene	8.181	128	1093375	41.927	ng	100
32) Benzoic acid	7.940	122	215893	42.040	ng	97
33) 4-Chloroaniline	8.234	127	365292	40.278	ng	99
34) Hexachlorobutadiene	8.292	225	207460	40.548	ng	99
35) Caprolactam	8.592	113	107030m	44.646	ng	
36) 4-Chloro-3-methylphenol	8.722	107	347888	43.523	ng	99
37) 2-Methylnaphthalene	8.869	142	710588	42.495	ng	100
38) 1-Methylnaphthalene	8.969	142	661889	40.422	ng	100
40) 1,2,4,5-Tetrachloroben...	9.039	216	335342	42.130	ng	99
41) Hexachlorocyclopentadiene	9.022	237	332637	162.766	ng	100
43) 2,4,6-Trichlorophenol	9.151	196	230246	44.078	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111524\
 Data File : BF140393.D
 Acq On : 15 Nov 2024 10:34
 Operator : RC/JU
 Sample : PB164789BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB164789BS

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/18/2024
 Supervised By :mohammad ahmed 11/18/2024

Quant Time: Nov 15 10:59:12 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	9.204	196	241036	42.205	ng	97
46) 1,1'-Biphenyl	9.334	154	880236	42.036	ng	99
47) 2-Chloronaphthalene	9.363	162	660643	41.416	ng	99
48) 2-Nitroaniline	9.457	65	235801	44.574	ng	97
49) Acenaphthylene	9.775	152	1101638	45.646	ng	100
50) Dimethylphthalate	9.634	163	798078	42.538	ng	100
51) 2,6-Dinitrotoluene	9.698	165	177675	41.541	ng	99
52) Acenaphthene	9.951	154	779513m	47.821	ng	
53) 3-Nitroaniline	9.875	138	165184	36.774	ng	99
54) 2,4-Dinitrophenol	9.981	184	208629	94.589	ng	99
55) Dibenzofuran	10.122	168	999863	43.330	ng	100
56) 4-Nitrophenol	10.051	139	291245	88.892	ng	99
57) 2,4-Dinitrotoluene	10.104	165	246023	43.705	ng	99
58) Fluorene	10.469	166	772092	42.354	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.245	232	211528	46.908	ng	98
60) Diethylphthalate	10.334	149	806565	42.043	ng	99
61) 4-Chlorophenyl-phenyle...	10.457	204	371728	41.304	ng	98
62) 4-Nitroaniline	10.492	138	200492	43.654	ng	100
63) Azobenzene	10.616	77	803243	42.375	ng	99
65) 4,6-Dinitro-2-methylph...	10.516	198	140240	48.565	ng	100
66) n-Nitrosodiphenylamine	10.575	169	686072	44.240	ng	99
67) 4-Bromophenyl-phenylether	10.945	248	229260	42.731	ng	99
68) Hexachlorobenzene	11.016	284	259344	42.962	ng	97
69) Atrazine	11.104	200	160807	34.274	ng	100
70) Pentachlorophenol	11.216	266	268128	82.458	ng	97
71) Phenanthrene	11.433	178	1118916	44.379	ng	100
72) Anthracene	11.480	178	1141349	46.189	ng	99
73) Carbazole	11.639	167	1070940	43.893	ng	100
74) Di-n-butylphthalate	11.963	149	1239558	42.329	ng	100
75) Fluoranthene	12.622	202	1226619	43.364	ng	100
77) Benzidine	12.739	184	211770	17.394	ng	99
78) Pyrene	12.851	202	1233627	45.466	ng	100
80) Butylbenzylphthalate	13.469	149	470859	45.174	ng	96
81) Benzo(a)anthracene	14.063	228	939325	45.056	ng	99
82) 3,3'-Dichlorobenzidine	14.022	252	268070	40.455	ng	99
83) Chrysene	14.098	228	854525	44.923	ng	99
84) Bis(2-ethylhexyl)phtha...	14.039	149	594170	42.707	ng	99
85) Di-n-octyl phthalate	14.698	149	828270	42.271	ng	99
87) Indeno(1,2,3-cd)pyrene	17.121	276	838769	46.601	ng	100
88) Benzo(b)fluoranthene	15.157	252	778217	40.829	ng	100
89) Benzo(k)fluoranthene	15.192	252	690747	44.361	ng	100
90) Benzo(a)pyrene	15.539	252	691951	46.748	ng	99
91) Dibenzo(a,h)anthracene	17.133	278	685624	46.083	ng	100
92) Benzo(g,h,i)perylene	17.574	276	647910	42.597	ng	99

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

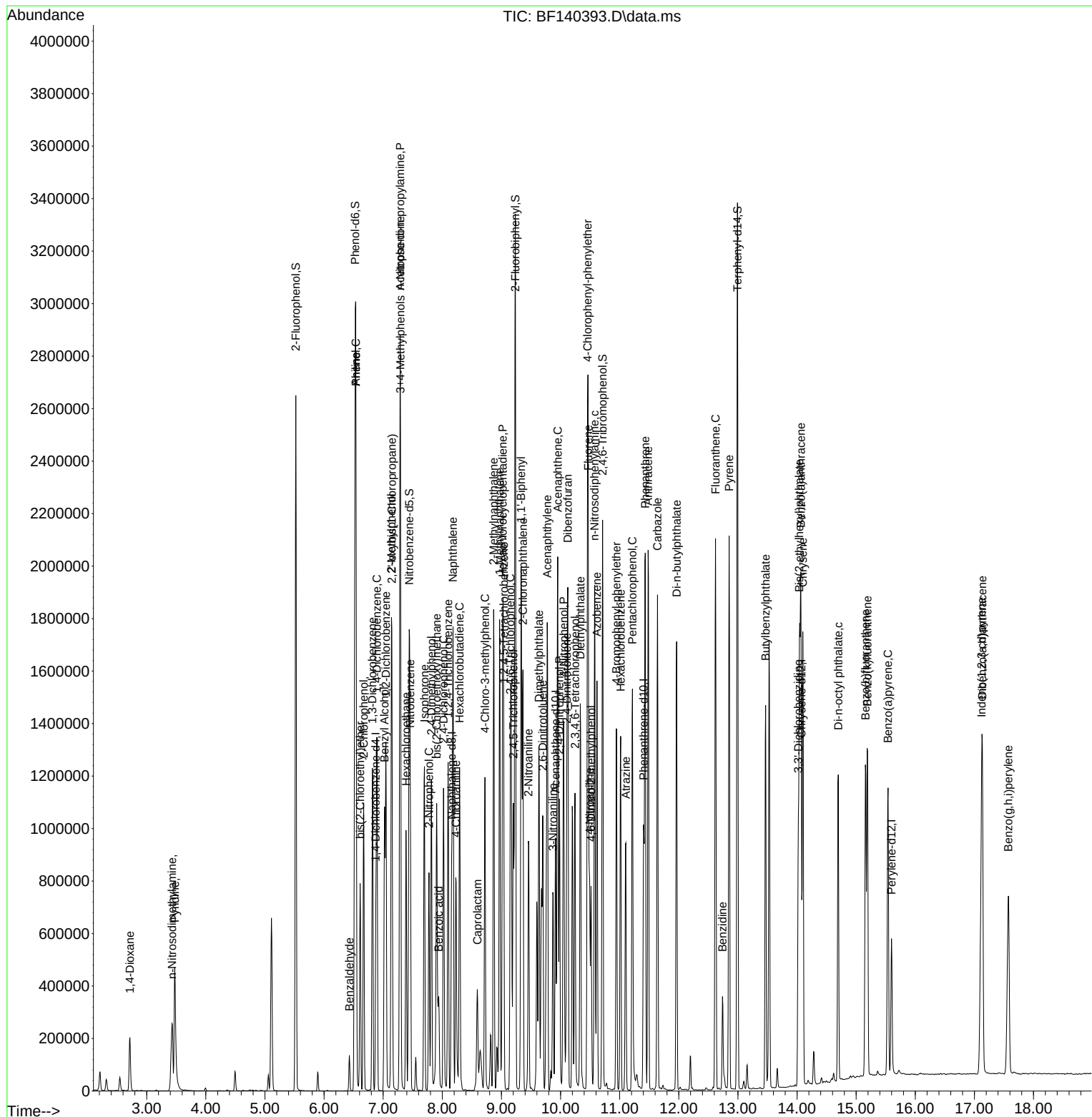
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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111524\  
Data File : BF140393.D  
Acq On    : 15 Nov 2024   10:34  
Operator  : RC/JU  
Sample    : PB164789BS  
Misc      :  
ALS Vial  : 4    Sample Multiplier: 1
```

Instrument :
BNA_F
ClientSampleId :
PB164789BS

Manual Integrations

Reviewed By :Yogesh Patel 11/18/2024
Supervised By :mohammad ahmed 11/18/2024

Quant Time: Nov 15 10:59:12 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



Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	BP-B4MS	SDG No.:	P4768
Lab Sample ID:	P4756-01MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.8
Sample Wt/Vol:	50.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140307.D	1	11/08/24 09:45	11/08/24 18:55	PB164789

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	230		120	220	ug/Kg
108-95-2	Phenol	1200		56.0	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1200		56.5	110	ug/Kg
95-57-8	2-Chlorophenol	1200		56.4	110	ug/Kg
95-48-7	2-Methylphenol	1100		54.4	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1100		61.4	110	ug/Kg
98-86-2	Acetophenone	1200		58.7	110	ug/Kg
65794-96-9	3+4-Methylphenols	1100		53.9	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1100		27.2	54.0	ug/Kg
67-72-1	Hexachloroethane	920		56.0	110	ug/Kg
98-95-3	Nitrobenzene	1100		61.3	110	ug/Kg
78-59-1	Isophorone	1100		57.1	110	ug/Kg
88-75-5	2-Nitrophenol	1100		63.8	110	ug/Kg
105-67-9	2,4-Dimethylphenol	1400		62.9	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1200		57.9	110	ug/Kg
120-83-2	2,4-Dichlorophenol	1200		51.0	110	ug/Kg
91-20-3	Naphthalene	1100		55.8	110	ug/Kg
106-47-8	4-Chloroaniline	580		55.8	110	ug/Kg
87-68-3	Hexachlorobutadiene	1100		56.3	110	ug/Kg
105-60-2	Caprolactam	1200		58.6	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1100		52.3	110	ug/Kg
91-57-6	2-Methylnaphthalene	1100		55.7	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	860		110	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1300		48.2	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1200		50.0	110	ug/Kg
92-52-4	1,1-Biphenyl	1300		59.0	110	ug/Kg
91-58-7	2-Chloronaphthalene	1200		56.3	110	ug/Kg
88-74-4	2-Nitroaniline	1300		64.2	110	ug/Kg
131-11-3	Dimethylphthalate	1300		55.2	110	ug/Kg

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	BP-B4MS	SDG No.:	P4768
Lab Sample ID:	P4756-01MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.8
Sample Wt/Vol:	50.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140307.D	1	11/08/24 09:45	11/08/24 18:55	PB164789

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1300		58.4	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	1100		56.2	110	ug/Kg
99-09-2	3-Nitroaniline	1100		60.2	110	ug/Kg
83-32-9	Acenaphthene	1100		54.8	110	ug/Kg
51-28-5	2,4-Dinitrophenol	280		160	220	ug/Kg
100-02-7	4-Nitrophenol	2500	E	78.3	220	ug/Kg
132-64-9	Dibenzofuran	1200		57.0	110	ug/Kg
121-14-2	2,4-Dinitrotoluene	1100		58.2	110	ug/Kg
84-66-2	Diethylphthalate	1200		54.1	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1200		57.8	110	ug/Kg
86-73-7	Fluorene	1200		57.7	110	ug/Kg
100-01-6	4-Nitroaniline	1200		72.3	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	J	79.0	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1300		55.1	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1200		53.3	110	ug/Kg
118-74-1	Hexachlorobenzene	1200		57.4	110	ug/Kg
1912-24-9	Atrazine	1600		61.7	110	ug/Kg
87-86-5	Pentachlorophenol	2600	E	52.2	220	ug/Kg
85-01-8	Phenanthrene	1300		56.7	110	ug/Kg
120-12-7	Anthracene	1300		57.0	110	ug/Kg
86-74-8	Carbazole	1300		54.2	110	ug/Kg
84-74-2	Di-n-butylphthalate	1200		56.9	110	ug/Kg
206-44-0	Fluoranthene	1400		55.2	110	ug/Kg
129-00-0	Pyrene	1300		56.0	110	ug/Kg
85-68-7	Butylbenzylphthalate	1400		65.4	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1400		66.6	220	ug/Kg
56-55-3	Benzo(a)anthracene	1300		54.5	110	ug/Kg
218-01-9	Chrysene	1300		53.7	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1300		61.4	110	ug/Kg
117-84-0	Di-n-octyl phthalate	1200		74.3	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	1200		54.8	110	ug/Kg

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	BP-B4MS	SDG No.:	P4768
Lab Sample ID:	P4756-01MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.8
Sample Wt/Vol:	50.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140307.D	1	11/08/24 09:45	11/08/24 18:55	PB164789

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1300		55.8	110	ug/Kg
50-32-8	Benzo(a)pyrene	1400		62.8	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1300		52.7	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1200		54.8	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1100		54.1	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1300		58.6	110	ug/Kg
123-91-1	1,4-Dioxane	960		74.3	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1200		50.4	110	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	98.7		18 - 112	66%	SPK: 150
13127-88-3	Phenol-d6	100		15 - 107	67%	SPK: 150
4165-60-0	Nitrobenzene-d5	68.8		18 - 107	69%	SPK: 100
321-60-8	2-Fluorobiphenyl	77.0		20 - 109	77%	SPK: 100
118-79-6	2,4,6-Tribromophenol	105		10 - 116	70%	SPK: 150
1718-51-0	Terphenyl-d14	75.5		10 - 105	76%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	112000	6.881			
1146-65-2	Naphthalene-d8	394000	8.163			
15067-26-2	Acenaphthene-d10	193000	9.916			
1517-22-2	Phenanthrene-d10	322000	11.41			
1719-03-5	Chrysene-d12	213000	14.063			
1520-96-3	Perylene-d12	174000	15.562			

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\BF110824\
 Data File : BF140307.D
 Acq On : 08 Nov 2024 18:55
 Operator : RC/JU
 Sample : P4756-01MS
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BP-B4MS

Quant Time: Nov 08 21:48:03 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 05 16:47:56 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	111731	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	394140	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	192644	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	322020	20.000	ng	0.00
76) Chrysene-d12	14.063	240	212503	20.000	ng	0.00
86) Perylene-d12	15.562	264	174450	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	665415	98.695	ng	0.00
7) Phenol-d6	6.504	99	870041	100.327	ng	0.00
23) Nitrobenzene-d5	7.439	82	545021	68.751	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	199266	104.646	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	929232	77.023	ng	0.00
79) Terphenyl-d14	12.998	244	979899	75.538	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.687	88	132010	42.588	ng	94
3) Pyridine	3.451	79	347237	45.911	ng	95
4) n-Nitrosodimethylamine	3.404	42	204107	46.742	ng	90
6) Aniline	6.540	93	334506	42.695	ng	99
8) 2-Chlorophenol	6.663	128	377772	53.552	ng	94
9) Benzaldehyde	6.428	77	53429	10.002	ng	96
10) Phenol	6.522	94	474624	51.533	ng	95
11) bis(2-Chloroethyl)ether	6.616	93	365717	52.271	ng	95
12) 1,3-Dichlorobenzene	6.822	146	410335	49.637	ng	98
13) 1,4-Dichlorobenzene	6.898	146	417539	50.080	ng	99
14) 1,2-Dichlorobenzene	7.051	146	394662	50.682	ng	98
15) Benzyl Alcohol	7.016	79	335510	50.187	ng	96
16) 2,2'-oxybis(1-Chloropr...	7.151	45	535573	47.290	ng	98
17) 2-Methylphenol	7.128	107	298834	50.781	ng	98
18) Hexachloroethane	7.392	117	126294	40.666	ng	97
19) n-Nitroso-di-n-propyla...	7.287	70	263655	47.657	ng	96
20) 3+4-Methylphenols	7.281	107	374071	50.613	ng	97
22) Acetophenone	7.287	105	504175	51.593	ng	94
24) Nitrobenzene	7.463	77	400072	48.096	ng	95
25) Isophorone	7.698	82	687725	50.383	ng	98
26) 2-Nitrophenol	7.775	139	159368	48.163	ng	95
27) 2,4-Dimethylphenol	7.810	122	288236	64.031	ng	96
28) bis(2-Chloroethoxy)met...	7.904	93	422624	51.738	ng	100
29) 2,4-Dichlorophenol	8.016	162	289586	52.001	ng	99
30) 1,2,4-Trichlorobenzene	8.104	180	323175	48.429	ng	98
31) Naphthalene	8.181	128	1014095	49.826	ng	99
32) Benzoic acid	7.910	122	153360	41.513	ng	96
33) 4-Chloroaniline	8.228	127	172762	25.784	ng	96
34) Hexachlorobutadiene	8.298	225	222879	49.343	ng	99
35) Caprolactam	8.592	113	89793	53.004	ng	93
36) 4-Chloro-3-methylphenol	8.710	107	296590	47.834	ng	96
37) 2-Methylnaphthalene	8.875	142	654015	49.237	ng	100
38) 1-Methylnaphthalene	8.975	142	602341	46.264	ng	100
40) 1,2,4,5-Tetrachloroben...	9.039	216	318908	56.547	ng	98
41) Hexachlorocyclopentadiene	9.022	237	60076	38.015	ng	99
43) 2,4,6-Trichlorophenol	9.151	196	197831	56.607	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
 Data File : BF140307.D
 Acq On : 08 Nov 2024 18:55
 Operator : RC/JU
 Sample : P4756-01MS
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BP-B4MS

Quant Time: Nov 08 21:48:03 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 05 16:47:56 2024
 Response via : Initial Calibration

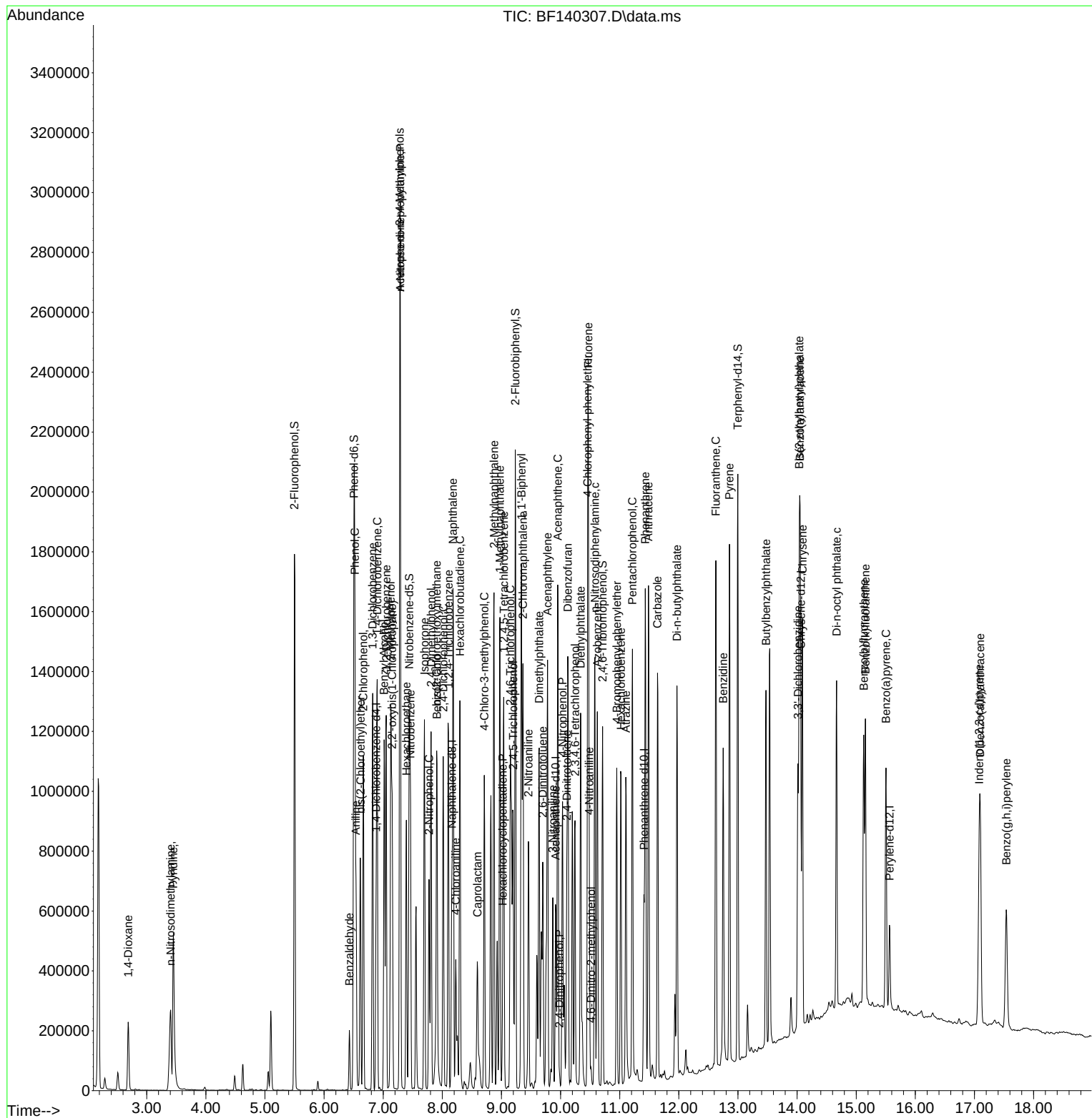
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	196886	53.580	ng	96
46) 1,1'-Biphenyl	9.339	154	776895	55.793	ng	99
47) 2-Chloronaphthalene	9.363	162	560484	53.480	ng	99
48) 2-Nitroaniline	9.457	65	200895	57.318	ng	94
49) Acenaphthylene	9.780	152	849013	57.220	ng	99
50) Dimethylphthalate	9.639	163	687540	57.951	ng	99
51) 2,6-Dinitrotoluene	9.698	165	135118	48.450	ng	97
52) Acenaphthene	9.951	154	534633	50.800	ng	98
53) 3-Nitroaniline	9.869	138	130290	49.616	ng	95
54) 2,4-Dinitrophenol	9.980	184	9518	12.552	ng	91
55) Dibenzofuran	10.122	168	782582	53.177	ng	98
56) 4-Nitrophenol	10.033	139	206862	112.037	ng	93
57) 2,4-Dinitrotoluene	10.104	165	170730	47.177	ng	91
58) Fluorene	10.469	166	601628	51.357	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.245	232	166582	55.338	ng	94
60) Diethylphthalate	10.339	149	633066	53.696	ng	99
61) 4-Chlorophenyl-phenyle...	10.457	204	307818	52.137	ng	96
62) 4-Nitroaniline	10.486	138	140757	53.939	ng	91
63) Azobenzene	10.622	77	655078	53.599	ng	92
65) 4,6-Dinitro-2-methylph...	10.516	198	9573	5.660	ng	96
66) n-Nitrosodiphenylamine	10.580	169	520814	56.232	ng	99
67) 4-Bromophenyl-phenylether	10.951	248	188900	54.475	ng	97
68) Hexachlorobenzene	11.022	284	209647	53.040	ng	94
69) Atrazine	11.104	200	179001	70.641	ng	97
70) Pentachlorophenol	11.216	266	247814	116.758	ng	98
71) Phenanthrene	11.433	178	868140	56.491	ng	99
72) Anthracene	11.486	178	880857	58.454	ng	99
73) Carbazole	11.639	167	792694	57.570	ng	100
74) Di-n-butylphthalate	11.969	149	900216	55.232	ng	99
75) Fluoranthene	12.627	202	984068	61.239	ng	98
77) Benzidine	12.751	184	597025	143.695	ng	99
78) Pyrene	12.857	202	1006606	57.370	ng	99
80) Butylbenzylphthalate	13.474	149	379776	60.111	ng	95
81) Benzo(a)anthracene	14.051	228	768717	56.368	ng	100
82) 3,3'-Dichlorobenzidine	14.015	252	271899	63.489	ng	100
83) Chrysene	14.092	228	720941	56.452	ng	99
84) Bis(2-ethylhexyl)phtha...	14.039	149	494440	55.838	ng	98
85) Di-n-octyl phthalate	14.668	149	725637	54.444	ng	96
87) Indeno(1,2,3-cd)pyrene	17.080	276	575017	56.153	ng	98
88) Benzo(b)fluoranthene	15.127	252	568141	53.842	ng	100
89) Benzo(k)fluoranthene	15.157	252	565667	58.420	ng	100
90) Benzo(a)pyrene	15.504	252	524794	60.321	ng	100
91) Dibenzo(a,h)anthracene	17.098	278	466270	55.345	ng	100
92) Benzo(g,h,i)perylene	17.539	276	426273	49.599	ng	98

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

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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\  
Data File : BF140307.D  
Acq On    : 08 Nov 2024   18:55  
Operator  : RC/JU  
Sample    : P4756-01MS  
Misc      :  
ALS Vial  : 23    Sample Multiplier: 1
```

Instrument :
BNA_F
ClientSampleId :
BP-B4MS

Quant Time: Nov 08 21:48:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 16:47:56 2024
Response via : Initial Calibration



Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	BP-B4MSD	SDG No.:	P4768
Lab Sample ID:	P4756-01MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.8
Sample Wt/Vol:	50.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140308.D	1	11/08/24 09:45	11/08/24 19:22	PB164789

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	220		120	220	ug/Kg
108-95-2	Phenol	1200		55.9	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1200		56.5	110	ug/Kg
95-57-8	2-Chlorophenol	1200		56.3	110	ug/Kg
95-48-7	2-Methylphenol	1100		54.4	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1100		61.3	110	ug/Kg
98-86-2	Acetophenone	1200		58.6	110	ug/Kg
65794-96-9	3+4-Methylphenols	1100		53.8	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1100		27.2	54.0	ug/Kg
67-72-1	Hexachloroethane	920		56.0	110	ug/Kg
98-95-3	Nitrobenzene	1100		61.3	110	ug/Kg
78-59-1	Isophorone	1100		57.1	110	ug/Kg
88-75-5	2-Nitrophenol	1100		63.8	110	ug/Kg
105-67-9	2,4-Dimethylphenol	1400		62.9	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1100		57.9	110	ug/Kg
120-83-2	2,4-Dichlorophenol	1200		50.9	110	ug/Kg
91-20-3	Naphthalene	1100		55.7	110	ug/Kg
106-47-8	4-Chloroaniline	640		55.7	110	ug/Kg
87-68-3	Hexachlorobutadiene	1100		56.2	110	ug/Kg
105-60-2	Caprolactam	1200		58.6	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1100		52.3	110	ug/Kg
91-57-6	2-Methylnaphthalene	1100		55.7	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1000		110	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1300		48.2	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1200		49.9	110	ug/Kg
92-52-4	1,1-Biphenyl	1200		59.0	110	ug/Kg
91-58-7	2-Chloronaphthalene	1200		56.2	110	ug/Kg
88-74-4	2-Nitroaniline	1300		64.1	110	ug/Kg
131-11-3	Dimethylphthalate	1300		55.1	110	ug/Kg

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	BP-B4MSD	SDG No.:	P4768
Lab Sample ID:	P4756-01MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.8
Sample Wt/Vol:	50.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140308.D	1	11/08/24 09:45	11/08/24 19:22	PB164789

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1300		58.4	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	1100		56.1	110	ug/Kg
99-09-2	3-Nitroaniline	1100		60.2	110	ug/Kg
83-32-9	Acenaphthene	1100		54.7	110	ug/Kg
51-28-5	2,4-Dinitrophenol	370		160	220	ug/Kg
100-02-7	4-Nitrophenol	2500	E	78.3	220	ug/Kg
132-64-9	Dibenzofuran	1200		56.9	110	ug/Kg
121-14-2	2,4-Dinitrotoluene	1100		58.2	110	ug/Kg
84-66-2	Diethylphthalate	1200		54.0	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1200		57.8	110	ug/Kg
86-73-7	Fluorene	1100		57.7	110	ug/Kg
100-01-6	4-Nitroaniline	1200		72.2	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	200	J	78.9	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1300		55.1	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1200		53.2	110	ug/Kg
118-74-1	Hexachlorobenzene	1200		57.4	110	ug/Kg
1912-24-9	Atrazine	1600		61.7	110	ug/Kg
87-86-5	Pentachlorophenol	2600	E	52.2	220	ug/Kg
85-01-8	Phenanthrene	1300		56.7	110	ug/Kg
120-12-7	Anthracene	1300		56.9	110	ug/Kg
86-74-8	Carbazole	1300		54.2	110	ug/Kg
84-74-2	Di-n-butylphthalate	1200		56.9	110	ug/Kg
206-44-0	Fluoranthene	1300		55.1	110	ug/Kg
129-00-0	Pyrene	1300		56.0	110	ug/Kg
85-68-7	Butylbenzylphthalate	1300		65.3	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1400		66.5	220	ug/Kg
56-55-3	Benzo(a)anthracene	1300		54.5	110	ug/Kg
218-01-9	Chrysene	1300		53.6	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1300		61.4	110	ug/Kg
117-84-0	Di-n-octyl phthalate	1200		74.2	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	1200		54.7	110	ug/Kg

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	BP-B4MSD	SDG No.:	P4768
Lab Sample ID:	P4756-01MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.8
Sample Wt/Vol:	50.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140308.D	1	11/08/24 09:45	11/08/24 19:22	PB164789

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1200		55.7	110	ug/Kg
50-32-8	Benzo(a)pyrene	1300		62.8	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1200		52.7	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1200		54.8	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1100		54.0	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1300		58.6	110	ug/Kg
123-91-1	1,4-Dioxane	940		74.2	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1300		50.4	110	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	98.1		18 - 112	65%	SPK: 150
13127-88-3	Phenol-d6	99.4		15 - 107	66%	SPK: 150
4165-60-0	Nitrobenzene-d5	68.4		18 - 107	68%	SPK: 100
321-60-8	2-Fluorobiphenyl	75.5		20 - 109	75%	SPK: 100
118-79-6	2,4,6-Tribromophenol	105		10 - 116	70%	SPK: 150
1718-51-0	Terphenyl-d14	75.0		10 - 105	75%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	110000	6.881			
1146-65-2	Naphthalene-d8	392000	8.163			
15067-26-2	Acenaphthene-d10	195000	9.916			
1517-22-2	Phenanthrene-d10	332000	11.41			
1719-03-5	Chrysene-d12	215000	14.063			
1520-96-3	Perylene-d12	179000	15.563			

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\BF110824\
 Data File : BF140308.D
 Acq On : 08 Nov 2024 19:22
 Operator : RC/JU
 Sample : P4756-01MSD
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BP-B4MSD

Quant Time: Nov 08 21:48:27 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 05 16:47:56 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	110036	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	391943	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	195155	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	332415	20.000	ng	0.00
76) Chrysene-d12	14.063	240	214633	20.000	ng	0.00
86) Perylene-d12	15.563	264	179498	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	651118	98.062	ng	0.00
7) Phenol-d6	6.504	99	848597	99.362	ng	0.00
23) Nitrobenzene-d5	7.440	82	539554	68.443	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	201957	104.695	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	922122	75.450	ng	0.00
79) Terphenyl-d14	12.998	244	982573	74.992	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.681	88	127776	41.857	ng	95
3) Pyridine	3.446	79	334642	44.927	ng	94
4) n-Nitrosodimethylamine	3.399	42	196127	45.607	ng	89
6) Aniline	6.540	93	328258	42.542	ng	99
8) 2-Chlorophenol	6.663	128	370250	53.294	ng	94
9) Benzaldehyde	6.428	77	52010	9.886	ng	96
10) Phenol	6.522	94	466853	51.470	ng	94
11) bis(2-Chloroethyl)ether	6.616	93	356278	51.706	ng	95
12) 1,3-Dichlorobenzene	6.822	146	401039	49.260	ng	97
13) 1,4-Dichlorobenzene	6.898	146	406352	49.489	ng	99
14) 1,2-Dichlorobenzene	7.051	146	386961	50.458	ng	97
15) Benzyl Alcohol	7.016	79	328732	49.931	ng	96
16) 2,2'-oxybis(1-Chloropr...	7.151	45	527068	47.256	ng	98
17) 2-Methylphenol	7.128	107	292846	50.530	ng	98
18) Hexachloroethane	7.392	117	125654	41.083	ng	98
19) n-Nitroso-di-n-propyla...	7.287	70	257604	47.280	ng	96
20) 3+4-Methylphenols	7.281	107	365404	50.202	ng	95
22) Acetophenone	7.287	105	497624	51.208	ng	94
24) Nitrobenzene	7.457	77	396753	47.964	ng	98
25) Isophorone	7.698	82	681430	50.201	ng	98
26) 2-Nitrophenol	7.775	139	154293	46.891	ng	95
27) 2,4-Dimethylphenol	7.810	122	282293	63.062	ng	96
28) bis(2-Chloroethoxy)met...	7.904	93	413762	50.937	ng	99
29) 2,4-Dichlorophenol	8.016	162	285869	51.621	ng	99
30) 1,2,4-Trichlorobenzene	8.098	180	321495	48.447	ng	99
31) Naphthalene	8.181	128	1008739	49.841	ng	100
32) Benzoic acid	7.910	122	153605	41.812	ng	96
33) 4-Chloroaniline	8.228	127	190562	28.600	ng	96
34) Hexachlorobutadiene	8.298	225	218664	48.682	ng	99
35) Caprolactam	8.592	113	91550	54.344	ng	93
36) 4-Chloro-3-methylphenol	8.710	107	302921	49.129	ng	96
37) 2-Methylnaphthalene	8.875	142	651335	49.310	ng	99
38) 1-Methylnaphthalene	8.975	142	599255	46.285	ng	100
40) 1,2,4,5-Tetrachloroben...	9.039	216	322457	56.441	ng	98
41) Hexachlorocyclopentadiene	9.022	237	72609	45.355	ng	99
43) 2,4,6-Trichlorophenol	9.151	196	197560	55.802	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
 Data File : BF140308.D
 Acq On : 08 Nov 2024 19:22
 Operator : RC/JU
 Sample : P4756-01MSD
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BP-B4MSD

Quant Time: Nov 08 21:48:27 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 05 16:47:56 2024
 Response via : Initial Calibration

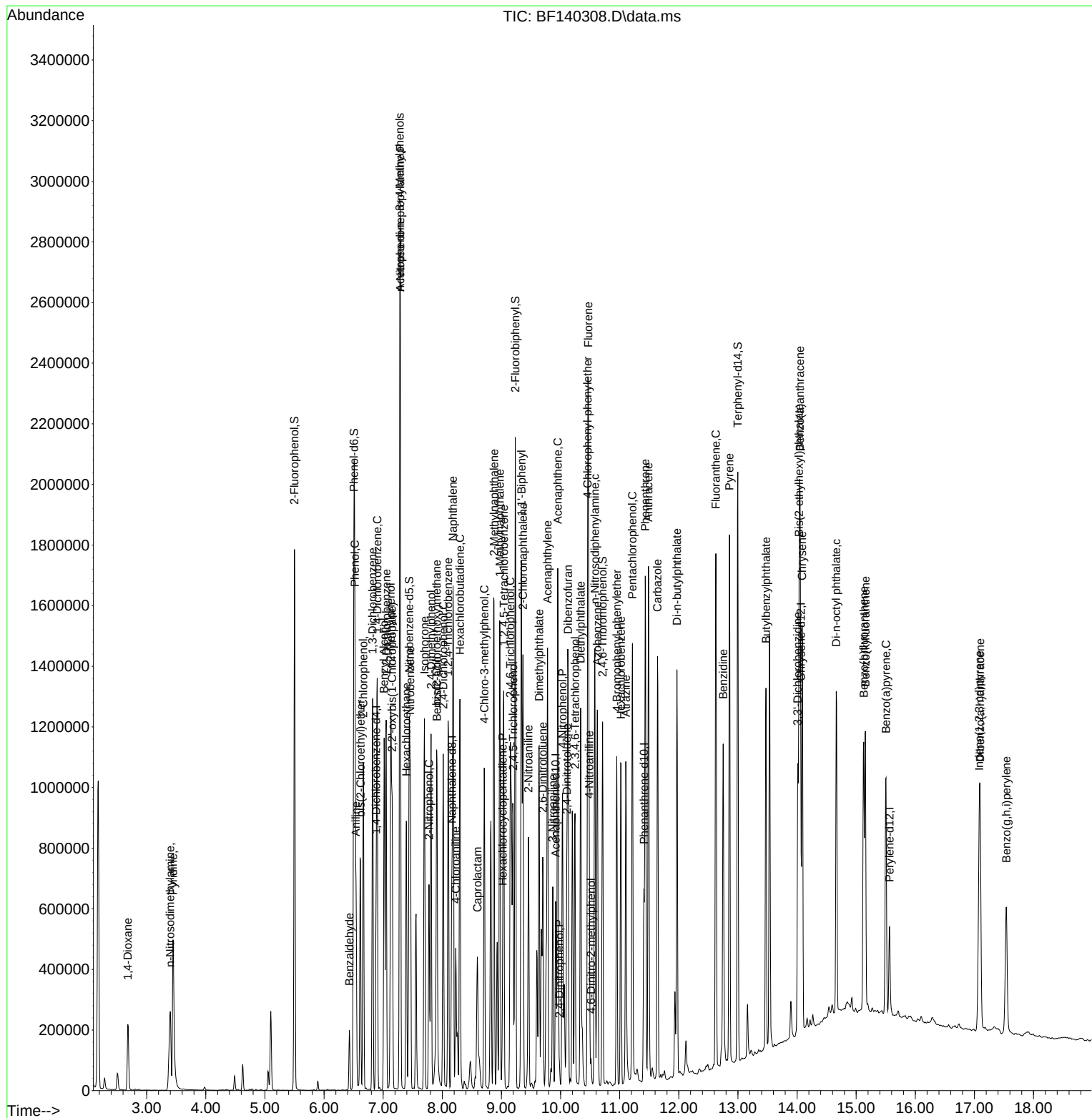
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	199268	53.530	ng	96
46) 1,1'-Biphenyl	9.339	154	768600	54.487	ng	99
47) 2-Chloronaphthalene	9.363	162	564395	53.160	ng	99
48) 2-Nitroaniline	9.457	65	198865	56.009	ng	92
49) Acenaphthylene	9.781	152	853582	56.787	ng	99
50) Dimethylphthalate	9.639	163	689205	57.344	ng	99
51) 2,6-Dinitrotoluene	9.698	165	135835	48.081	ng	96
52) Acenaphthene	9.951	154	541661	50.806	ng	98
53) 3-Nitroaniline	9.869	138	133697	50.258	ng	97
54) 2,4-Dinitrophenol	9.981	184	15791	16.648	ng	91
55) Dibenzofuran	10.128	168	791168	53.069	ng	97
56) 4-Nitrophenol	10.033	139	211218	112.924	ng	91
57) 2,4-Dinitrotoluene	10.104	165	171637	46.817	ng	92
58) Fluorene	10.469	166	602772	50.792	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.245	232	171553	56.256	ng	93
60) Diethylphthalate	10.339	149	639698	53.560	ng	99
61) 4-Chlorophenyl-phenyle...	10.457	204	312335	52.221	ng	96
62) 4-Nitroaniline	10.486	138	145143	54.904	ng	92
63) Azobenzene	10.622	77	657925	53.140	ng	93
65) 4,6-Dinitro-2-methylph...	10.516	198	15698	8.992	ng	95
66) n-Nitrosodiphenylamine	10.580	169	532155	55.660	ng	99
67) 4-Bromophenyl-phenylether	10.951	248	193359	54.018	ng	97
68) Hexachlorobenzene	11.022	284	216397	53.036	ng	93
69) Atrazine	11.104	200	181096	69.233	ng	97
70) Pentachlorophenol	11.216	266	249628	113.935	ng	98
71) Phenanthrene	11.433	178	883817	55.712	ng	99
72) Anthracene	11.486	178	893958	57.468	ng	99
73) Carbazole	11.639	167	813834	57.257	ng	99
74) Di-n-butylphthalate	11.969	149	915899	54.437	ng	99
75) Fluoranthene	12.627	202	982071	59.204	ng	99
77) Benzidine	12.751	184	604981	144.165	ng	98
78) Pyrene	12.857	202	1002732	56.582	ng	99
80) Butylbenzylphthalate	13.474	149	382041	59.869	ng	94
81) Benzo(a)anthracene	14.051	228	776477	56.372	ng	99
82) 3,3'-Dichlorobenzidine	14.010	252	273487	63.226	ng	100
83) Chrysene	14.086	228	720945	55.892	ng	99
84) Bis(2-ethylhexyl)phtha...	14.033	149	499336	55.831	ng	99
85) Di-n-octyl phthalate	14.663	149	735318	54.623	ng	96
87) Indeno(1,2,3-cd)pyrene	17.080	276	573198	54.401	ng	99
88) Benzo(b)fluoranthene	15.127	252	599549	55.220	ng	99
89) Benzo(k)fluoranthene	15.157	252	546704	54.874	ng	99
90) Benzo(a)pyrene	15.504	252	525993	58.758	ng	100
91) Dibenzo(a,h)anthracene	17.098	278	464840	53.623	ng	99
92) Benzo(g,h,i)perylene	17.539	276	425396	48.105	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140308.D
Acq On : 08 Nov 2024 19:22
Operator : RC/JU
Sample : P4756-01MSD
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BP-B4MSD

Quant Time: Nov 08 21:48:27 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 16:47:56 2024
Response via : Initial Calibration





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

Manual Integration Report

Sequence:

bf110524

Instrument

BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC050	BF140236.D	Benzoic acid	yogesh	11/6/2024 3:09:10 AM	mohammad	11/6/2024 3:16:35 AM	Peak Integrated by Software
SSTDICC080	BF140238.D	Aniline	yogesh	11/6/2024 3:09:12 AM	mohammad	11/6/2024 3:16:35 AM	Peak Integrated by Software

Manual Integration Report

Sequence:

bf110824

Instrument

BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF140286.D	Benzoic acid	yogesh	11/10/2024 11:35:51 PM	mohammad	11/11/2024 12:24:00 AM	Peak Integrated by Software
P4768-06	BF140310.D	Benzo(b)fluoranthene	yogesh	11/10/2024 11:36:28 PM	mohammad	11/11/2024 12:24:00 AM	Peak Integrated by Software
P4768-06	BF140310.D	Benzo(k)fluoranthene	yogesh	11/10/2024 11:36:28 PM	mohammad	11/11/2024 12:24:00 AM	Peak Integrated by Software

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-Tetrachlorophen ol	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



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

Manual Integration Report

Sequence:

bf111424

Instrument

BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4768-06DL	BF140378.D	Benzo(b)fluoranthene	yogesh	11/15/2024 5:15:37 AM	mohammad	11/15/2024 5:49:37 AM	Peak Integrated by Software
P4768-06DL	BF140378.D	Benzo(k)fluoranthene	yogesh	11/15/2024 5:15:37 AM	mohammad	11/15/2024 5:49:37 AM	Peak Integrated by Software

Manual Integration Report

Sequence:

bf111524

Instrument

BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF140391.D	2,4-Dimethylphenol	yogesh	11/18/2024 1:26:25 AM	mohammad	11/18/2024 2:51:39 AM	Peak Integrated by Software
PB164789BS	BF140393.D	2,4-Dimethylphenol	yogesh	11/18/2024 1:26:26 AM	mohammad	11/18/2024 2:51:39 AM	Peak Integrated by Software
PB164789BS	BF140393.D	Acenaphthene	yogesh	11/18/2024 1:26:26 AM	mohammad	11/18/2024 2:51:39 AM	Peak Integrated by Software
PB164789BS	BF140393.D	Caprolactam	yogesh	11/18/2024 1:26:26 AM	mohammad	11/18/2024 2:51:39 AM	Peak Integrated by Software

Manual Integration Report

Sequence:

BF111624

Instrument

BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF140417.D	2,4-Dimethylphenol	yogesh	11/19/2024 3:19:07 AM	mohammad	11/19/2024 3:30:32 AM	Peak Integrated by Software
P4768-02	BF140435.D	Benzo(b)fluoranthene	yogesh	11/19/2024 3:19:24 AM	mohammad	11/19/2024 3:30:32 AM	Peak Integrated by Software
P4768-02	BF140435.D	Benzo(k)fluoranthene	yogesh	11/19/2024 3:19:24 AM	mohammad	11/19/2024 3:30:32 AM	Peak Integrated by Software
P4768-02	BF140435.D	Dibenzo(a,h)anthracene	yogesh	11/19/2024 3:19:24 AM	mohammad	11/19/2024 3:30:32 AM	Peak Integrated by Software



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

Manual Integration Report

Sequence:	bf111924	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF140463.D	2,4-Dimethylphenol	yogesh	11/20/2024 7:04:10 AM	mohammad	11/20/2024 7:31:21 AM	Peak Integrated by Software



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

Manual Integration Report

Sequence:

BF112024

Instrument

BNA_f

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF110524

Review By	yogesh	Review On	11/6/2024 3:09:46 AM
Supervise By	mohammad	Supervise On	11/6/2024 3:16:35 AM
SubDirectory	BF110524	HP Acquire Method	BNA_F
		HP Processing Method	bf110524
STD. NAME	STD REF.#		
Tune/Reschk	SP6573		
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621		
CCC	SP6624		
Internal Standard/PEM	S12324,10ul/1000ul sample		
ICV/I.BLK	SP6559		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF140230.D	05 Nov 2024 11:56	RC/JU	Ok
2	SSTDICC2.5	BF140231.D	05 Nov 2024 12:26	RC/JU	Ok
3	SSTDICC005	BF140232.D	05 Nov 2024 12:52	RC/JU	Ok
4	SSTDICC010	BF140233.D	05 Nov 2024 13:18	RC/JU	Ok
5	SSTDICC020	BF140234.D	05 Nov 2024 13:45	RC/JU	Ok
6	SSTDICCC040	BF140235.D	05 Nov 2024 14:11	RC/JU	Ok
7	SSTDICC050	BF140236.D	05 Nov 2024 14:37	RC/JU	Ok,M
8	SSTDICC060	BF140237.D	05 Nov 2024 15:03	RC/JU	Ok
9	SSTDICC080	BF140238.D	05 Nov 2024 15:30	RC/JU	Ok,M
10	SSTDICV040	BF140239.D	05 Nov 2024 16:07	RC/JU	Ok
11	PB164366BL	BF140240.D	05 Nov 2024 16:37	RC/JU	Ok
12	P4368-02	BF140241.D	05 Nov 2024 17:03	RC/JU	Ok
13	P4368-02	BF140242.D	05 Nov 2024 17:30	RC/JU	Ok,M
14	P4368-08	BF140243.D	05 Nov 2024 17:56	RC/JU	Ok,M
15	P4368-02	BF140244.D	05 Nov 2024 18:22	RC/JU	Not Ok
16	P4368-08	BF140245.D	05 Nov 2024 18:49	RC/JU	Not Ok
17	P4368-01	BF140246.D	05 Nov 2024 19:15	RC/JU	Ok
18	P4368-01	BF140247.D	05 Nov 2024 19:41	RC/JU	Ok,M
19	P4368-07	BF140248.D	05 Nov 2024 20:07	RC/JU	Ok,M
20	P4368-07	BF140249.D	05 Nov 2024 20:34	RC/JU	Ok,M
21	PB164369BL	BF140250.D	05 Nov 2024 21:00	RC/JU	Ok

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF110524

Review By	yogesh	Review On	11/6/2024 3:09:46 AM		
Supervise By	mohammad	Supervise On	11/6/2024 3:16:35 AM		
SubDirectory	BF110524	HP Acquire Method	BNA_F	HP Processing Method	bf110524
STD. NAME		STD REF.#			
Tune/Reschk		SP6573			
Initial Calibration Stds		SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621			
CCC		SP6624			
Internal Standard/PEM		S12324,10ul/1000ul sample			
ICV/I.BLK		SP6559			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

22	SSTDCCC040	BF140251.D	05 Nov 2024 21:26	RC/JU	Ok

M : Manual Integration

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF110824

Review By	yogesh	Review On	11/10/2024 11:36:46 PM
Supervise By	mohammad	Supervise On	11/11/2024 12:24:00 AM
SubDirectory	BF110824	HP Acquire Method	BNA_F
		HP Processing Method	bf110524
STD. NAME	STD REF.#		
Tune/Reschk	SP6573		
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621		
CCC	SP6624		
Internal Standard/PEM	S12326,10ul/1000ul sample		
ICV/I.BLK	SP6559		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF140285.D	08 Nov 2024 09:09	RC/JU	Ok
2	SSTDCCC040	BF140286.D	08 Nov 2024 09:35	RC/JU	Ok,M
3	PB164765BL	BF140287.D	08 Nov 2024 10:02	RC/JU	Ok
4	PB164750BS	BF140288.D	08 Nov 2024 10:28	RC/JU	Ok,M
5	PB164680BL	BF140289.D	08 Nov 2024 10:55	RC/JU	Ok
6	PB164680BS	BF140290.D	08 Nov 2024 11:22	RC/JU	Ok,M
7	P4732-01	BF140291.D	08 Nov 2024 11:54	RC/JU	Ok
8	P4694-05RE	BF140292.D	08 Nov 2024 12:21	RC/JU	Confirms
9	P4720-01DL	BF140293.D	08 Nov 2024 12:47	RC/JU	Ok
10	P4695-01DL	BF140294.D	08 Nov 2024 13:13	RC/JU	Ok,M
11	P4739-01	BF140295.D	08 Nov 2024 13:40	RC/JU	Ok
12	P4694-01DL	BF140296.D	08 Nov 2024 14:06	RC/JU	Ok,M
13	P4739-05	BF140297.D	08 Nov 2024 14:32	RC/JU	Ok
14	P4739-09	BF140298.D	08 Nov 2024 14:58	RC/JU	Dilution
15	P4737-01	BF140299.D	08 Nov 2024 15:24	RC/JU	Ok
16	P4737-01MS	BF140300.D	08 Nov 2024 15:51	RC/JU	Ok
17	P4737-01MSD	BF140301.D	08 Nov 2024 16:17	RC/JU	Ok
18	P4738-01	BF140302.D	08 Nov 2024 16:43	RC/JU	ReRun
19	P4722-08	BF140303.D	08 Nov 2024 17:10	RC/JU	Dilution
20	P4739-13	BF140304.D	08 Nov 2024 17:36	RC/JU	Ok,M
21	P4722-03	BF140305.D	08 Nov 2024 18:03	RC/JU	Ok,M

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF110824

Review By	yogesh	Review On	11/10/2024 11:36:46 PM
Supervise By	mohammad	Supervise On	11/11/2024 12:24:00 AM
SubDirectory	BF110824	HP Acquire Method	BNA_F
		HP Processing Method	bf110524
STD. NAME	STD REF.#		
Tune/Reschk	SP6573		
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621		
CCC	SP6624		
Internal Standard/PEM	S12326,10ul/1000ul sample		
ICV/I.BLK	SP6559		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	P4756-01	BF140306.D	08 Nov 2024 18:29	RC/JU	Ok
23	P4756-01MS	BF140307.D	08 Nov 2024 18:55	RC/JU	Ok
24	P4756-01MSD	BF140308.D	08 Nov 2024 19:22	RC/JU	Ok
25	P4768-01	BF140309.D	08 Nov 2024 19:48	RC/JU	Ok
26	P4768-06	BF140310.D	08 Nov 2024 20:14	RC/JU	Dilution

M : Manual Integration

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch 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

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF111424

Review By	yogesh	Review On	11/15/2024 5:15:55 AM
Supervise By	mohammad	Supervise On	11/15/2024 5:49:37 AM
SubDirectory	BF111424	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	BF140350.D	14 Nov 2024 08:47	RC/JU	Ok
2	SSTDCCC040	BF140351.D	14 Nov 2024 09:42	RC/JU	Ok
3	PB164908BL	BF140352.D	14 Nov 2024 10:08	RC/JU	Ok
4	PB164911BS	BF140353.D	14 Nov 2024 10:34	RC/JU	Ok,M
5	PB164911BSD	BF140354.D	14 Nov 2024 11:01	RC/JU	Ok,M
6	PB164911BL	BF140355.D	14 Nov 2024 11:27	RC/JU	Ok
7	P3845-06DL	BF140356.D	14 Nov 2024 11:54	RC/JU	Ok
8	P4762-02	BF140357.D	14 Nov 2024 13:03	RC/JU	Ok
9	P4792-03	BF140358.D	14 Nov 2024 13:29	RC/JU	Ok
10	P4837-03	BF140359.D	14 Nov 2024 13:55	RC/JU	Ok
11	P4834-03	BF140360.D	14 Nov 2024 14:21	RC/JU	Ok
12	P4779-01	BF140361.D	14 Nov 2024 14:47	RC/JU	Ok
13	P4838-03	BF140362.D	14 Nov 2024 15:13	RC/JU	Ok
14	P4718-04	BF140363.D	14 Nov 2024 15:39	RC/JU	Ok
15	P4812-01	BF140364.D	14 Nov 2024 16:04	RC/JU	Ok
16	DFTPP	BF140365.D	14 Nov 2024 16:35	RC/JU	Ok
17	SSTDCCC040	BF140366.D	14 Nov 2024 17:02	RC/JU	Ok
18	PB164846BL	BF140367.D	14 Nov 2024 17:28	RC/JU	Ok
19	P4722-10	BF140368.D	14 Nov 2024 17:59	RC/JU	Ok
20	P4722-15	BF140369.D	14 Nov 2024 18:25	RC/JU	Ok
21	P4791-02	BF140370.D	14 Nov 2024 18:51	RC/JU	Ok

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF111424

Review By	yogesh	Review On	11/15/2024 5:15:55 AM
Supervise By	mohammad	Supervise On	11/15/2024 5:49:37 AM
SubDirectory	BF111424	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			

22	P4792-04	BF140371.D	14 Nov 2024 19:17	RC/JU	Ok
23	P4788-01	BF140372.D	14 Nov 2024 19:43	RC/JU	Ok
24	P4788-01MS	BF140373.D	14 Nov 2024 20:09	RC/JU	Ok
25	P4788-01MSD	BF140374.D	14 Nov 2024 20:35	RC/JU	Ok
26	P4796-05RE	BF140375.D	14 Nov 2024 21:01	RC/JU	Confirms
27	P4796-01RE	BF140376.D	14 Nov 2024 21:28	RC/JU	Confirms
28	P4722-08DL	BF140377.D	14 Nov 2024 21:54	RC/JU	Ok,M
29	P4768-06DL	BF140378.D	14 Nov 2024 22:20	RC/JU	Ok,M
30	P4739-09DL	BF140379.D	14 Nov 2024 22:47	RC/JU	Ok
31	P4795-01RE	BF140380.D	14 Nov 2024 23:13	RC/JU	Confirms
32	P4811-01RE	BF140381.D	14 Nov 2024 23:39	RC/JU	Confirms
33	P4816-01RE	BF140382.D	15 Nov 2024 00:05	RC/JU	Confirms
34	P4807-05	BF140383.D	15 Nov 2024 00:32	RC/JU	Ok
35	P4807-05MS	BF140384.D	15 Nov 2024 00:58	RC/JU	Ok
36	P4807-05MSD	BF140385.D	15 Nov 2024 01:24	RC/JU	Ok
37	P4807-01	BF140386.D	15 Nov 2024 01:49	RC/JU	Ok
38	P4798-01	BF140387.D	15 Nov 2024 02:16	RC/JU	Dilution
39	P4789-01	BF140388.D	15 Nov 2024 02:42	RC/JU	Ok
40	P4793-01	BF140389.D	15 Nov 2024 03:08	RC/JU	Confirms

M : Manual Integration

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF111524

Review By	yogesh	Review On	11/18/2024 1:26:57 AM
Supervise By	mohammad	Supervise On	11/18/2024 2:51:39 AM
SubDirectory	BF111524	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	BF140390.D	15 Nov 2024 09:16	RC/JU	Ok
2	SSTDCCC040	BF140391.D	15 Nov 2024 09:42	RC/JU	Ok,M
3	PB164789BL	BF140392.D	15 Nov 2024 10:08	RC/JU	Ok
4	PB164789BS	BF140393.D	15 Nov 2024 10:34	RC/JU	Ok,M
5	PB164886BS	BF140394.D	15 Nov 2024 11:00	RC/JU	Ok,M
6	P4799-03	BF140395.D	15 Nov 2024 11:33	RC/JU	Ok
7	P4799-03MS	BF140396.D	15 Nov 2024 11:59	RC/JU	Ok,M
8	P4799-03MSD	BF140397.D	15 Nov 2024 12:25	RC/JU	Ok,M
9	P4799-07	BF140398.D	15 Nov 2024 12:52	RC/JU	Ok
10	P4799-11	BF140399.D	15 Nov 2024 13:18	RC/JU	Ok
11	P4799-15	BF140400.D	15 Nov 2024 13:44	RC/JU	Ok
12	P4799-19	BF140401.D	15 Nov 2024 14:10	RC/JU	Ok
13	P4807-04	BF140402.D	15 Nov 2024 14:36	RC/JU	Ok
14	P4807-08	BF140403.D	15 Nov 2024 15:02	RC/JU	Ok
15	P4807-12	BF140404.D	15 Nov 2024 15:29	RC/JU	Ok
16	P4807-16	BF140405.D	15 Nov 2024 15:55	RC/JU	Ok
17	P4809-04	BF140406.D	15 Nov 2024 16:21	RC/JU	Ok
18	P4807-13	BF140407.D	15 Nov 2024 16:47	RC/JU	Ok
19	P4807-09	BF140408.D	15 Nov 2024 17:13	RC/JU	Ok
20	P4836-03	BF140409.D	15 Nov 2024 17:40	RC/JU	ReRun
21	P4835-03	BF140410.D	15 Nov 2024 18:06	RC/JU	Ok

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF111524

Review By	yogesh	Review On	11/18/2024 1:26:57 AM
Supervise By	mohammad	Supervise On	11/18/2024 2:51:39 AM
SubDirectory	BF111524	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			

22	P4798-01DL	BF140411.D	15 Nov 2024 18:32	RC/JU	Ok,M
23	P4825-01	BF140412.D	15 Nov 2024 18:58	RC/JU	Ok,M
24	P4809-01	BF140413.D	15 Nov 2024 19:25	RC/JU	Ok,M
25	P4850-01	BF140414.D	15 Nov 2024 19:51	RC/JU	Ok,M
26	P4851-01	BF140415.D	15 Nov 2024 20:17	RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF111624

Review By	yogesh	Review On	11/19/2024 3:19:51 AM
Supervise By	mohammad	Supervise On	11/19/2024 3:30:32 AM
SubDirectory	BF111624	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	BF140416.D	16 Nov 2024 09:08	RC/JU	Ok
2	SSTDCCC040	BF140417.D	16 Nov 2024 09:34	RC/JU	Ok,M
3	PB164993BL	BF140418.D	16 Nov 2024 10:02	RC/JU	Ok
4	PB164993BS	BF140419.D	16 Nov 2024 10:28	RC/JU	Ok,M
5	P4821-04	BF140420.D	16 Nov 2024 11:01	RC/JU	ReRun
6	P4821-08	BF140421.D	16 Nov 2024 11:27	RC/JU	Ok
7	P4823-04	BF140422.D	16 Nov 2024 11:53	RC/JU	Ok
8	P4833-04	BF140423.D	16 Nov 2024 12:19	RC/JU	Ok
9	P4833-08	BF140424.D	16 Nov 2024 12:46	RC/JU	Ok
10	P4824-01	BF140425.D	16 Nov 2024 13:12	RC/JU	Ok
11	P4821-05	BF140426.D	16 Nov 2024 13:38	RC/JU	Ok
12	P4833-01	BF140427.D	16 Nov 2024 14:04	RC/JU	Ok
13	P4833-01MS	BF140428.D	16 Nov 2024 14:31	RC/JU	Ok,M
14	P4833-01MSD	BF140429.D	16 Nov 2024 14:57	RC/JU	Ok,M
15	P4848-01	BF140430.D	16 Nov 2024 15:23	RC/JU	Ok,M
16	P4821-01	BF140431.D	16 Nov 2024 15:49	RC/JU	Ok
17	P4821-01MS	BF140432.D	16 Nov 2024 16:16	RC/JU	Ok,M
18	P4821-01MSD	BF140433.D	16 Nov 2024 16:42	RC/JU	Ok,M
19	P4823-01	BF140434.D	16 Nov 2024 17:08	RC/JU	Ok,M
20	P4768-02	BF140435.D	16 Nov 2024 17:34	RC/JU	Ok,M
21	P4833-05	BF140436.D	16 Nov 2024 18:00	RC/JU	Ok

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF111624

Review By	yogesh	Review On	11/19/2024 3:19:51 AM
Supervise By	mohammad	Supervise On	11/19/2024 3:30:32 AM
SubDirectory	BF111624	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			

22	P4849-01	BF140437.D	16 Nov 2024 18:27	RC/JU	ReRun
23	P4768-04	BF140438.D	16 Nov 2024 18:53	RC/JU	Ok
24	P4768-03	BF140439.D	16 Nov 2024 19:19	RC/JU	ReRun
25	P4859-01	BF140440.D	16 Nov 2024 19:45	RC/JU	ReRun
26	P4857-01	BF140441.D	16 Nov 2024 20:11	RC/JU	Ok

M : Manual Integration

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF111924

Review By	yogesh	Review On	11/20/2024 7:05:01 AM
Supervise By	mohammad	Supervise On	11/20/2024 7:31:21 AM
SubDirectory	BF111924	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	BF140462.D	19 Nov 2024 09:32	RC/JU	Ok
2	SSTDCCC040	BF140463.D	19 Nov 2024 10:34	RC/JU	Ok,M
3	PB165019TB	BF140464.D	19 Nov 2024 11:00	RC/JU	Ok
4	P4848-02MS	BF140465.D	19 Nov 2024 11:36	RC/JU	Ok,M
5	P4848-02MSD	BF140466.D	19 Nov 2024 12:02	RC/JU	Ok,M
6	P4870-04	BF140467.D	19 Nov 2024 12:28	RC/JU	Ok
7	P4852-01	BF140468.D	19 Nov 2024 12:54	RC/JU	Ok,M
8	P4852-02	BF140469.D	19 Nov 2024 13:21	RC/JU	Ok,M
9	P4852-03	BF140470.D	19 Nov 2024 13:47	RC/JU	Ok,M
10	P4852-03MS	BF140471.D	19 Nov 2024 14:13	RC/JU	Ok,M
11	P4852-03MSD	BF140472.D	19 Nov 2024 14:39	RC/JU	Ok,M
12	P4771-05	BF140473.D	19 Nov 2024 15:06	RC/JU	Ok,M
13	P4771-07	BF140474.D	19 Nov 2024 15:32	RC/JU	Ok,M
14	P4889-03	BF140475.D	19 Nov 2024 15:58	RC/JU	Ok,M
15	P4869-01	BF140476.D	19 Nov 2024 16:24	RC/JU	Ok
16	P4870-01	BF140477.D	19 Nov 2024 16:51	RC/JU	Ok
17	P4857-03	BF140478.D	19 Nov 2024 17:17	RC/JU	Ok,M
18	P4889-05	BF140479.D	19 Nov 2024 17:43	RC/JU	Dilution
19	P4889-01	BF140480.D	19 Nov 2024 18:10	RC/JU	Ok,M
20	P4849-01	BF140481.D	19 Nov 2024 18:36	RC/JU	Ok,M
21	P4768-03	BF140482.D	19 Nov 2024 19:02	RC/JU	Ok

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF111924

Review By	yogesh	Review On	11/20/2024 7:05:01 AM
Supervise By	mohammad	Supervise On	11/20/2024 7:31:21 AM
SubDirectory	BF111924	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			

22	P4859-01RE	BF140483.D	19 Nov 2024 19:28	RC/JU	Confirms
23	P4908-01	BF140484.D	19 Nov 2024 19:54	RC/JU	Ok
24	P4908-03	BF140485.D	19 Nov 2024 20:20	RC/JU	Ok,M
25	P4768-07	BF140486.D	19 Nov 2024 20:47	RC/JU	Ok

M : Manual Integration

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF112024

Review By		Review On			
Supervise By		Supervise On			
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,NR
3	PB165039BL	BF140489.D	20 Nov 2024 09:57	RC/JU	Ok
4	PB165039BS	BF140490.D	20 Nov 2024 10:23	RC/JU	Ok,NR
5	PB165039BSD	BF140491.D	20 Nov 2024 10:49	RC/JU	Ok,NR
6	P4843-01	BF140492.D	20 Nov 2024 11:23	RC/JU	Ok,NR
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,NR
11	P4892-02MSD	BF140497.D	20 Nov 2024 13:35	RC/JU	Ok,NR
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,NR
14	DFTPP	BF140500.D	20 Nov 2024 15:33	RC/JU	Ok
15	SSTDCCC040	BF140501.D	20 Nov 2024 15:59	RC/JU	Ok,NR
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

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QCBatch ID # BF112024

Review By		Review On			
Supervise By		Supervise On			
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,NR
25	P4909-01	BF140511.D	20 Nov 2024 20:28	RC/JU	Ok,NR
26	P4910-05	BF140512.D	20 Nov 2024 20:54	RC/JU	Ok,NR
27	P4889-05DL	BF140513.D	20 Nov 2024 21:21	RC/JU	Ok,NR
28	P4822-10	BF140514.D	20 Nov 2024 21:47	RC/JU	Ok,NR
29	P4822-12	BF140515.D	20 Nov 2024 22:13	RC/JU	Ok,NR
30	P4822-06	BF140516.D	20 Nov 2024 22:40	RC/JU	Ok,NR
31	P4822-08	BF140517.D	20 Nov 2024 23:06	RC/JU	Ok,NR
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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF110524

Review By	yogesh	Review On	11/6/2024 3:09:46 AM				
Supervise By	mohammad	Supervise On	11/6/2024 3:16:35 AM				
SubDirectory	BF110524	HP Acquire Method	BNA_F	HP Processing Method	bf110524		
STD. NAME		STD REF.#					
Tune/Reschk		SP6573					
Initial Calibration Stds		SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621					
CCC		SP6624					
Internal Standard/PEM		S12324,10ul/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	BF140230.D	05 Nov 2024 11:56		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF140231.D	05 Nov 2024 12:26		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF140232.D	05 Nov 2024 12:52	Compound#32,54,65 Removed from 5 ppm	RC/JU	Ok
4	SSTDICC010	SSTDICC010	BF140233.D	05 Nov 2024 13:18	Compound#54 Kept on LR	RC/JU	Ok
5	SSTDICC020	SSTDICC020	BF140234.D	05 Nov 2024 13:45		RC/JU	Ok
6	SSTDICCC040	SSTDICCC040	BF140235.D	05 Nov 2024 14:11	Calibration Good for DOD & 625.1 except for Benzidine	RC/JU	Ok
7	SSTDICC050	SSTDICC050	BF140236.D	05 Nov 2024 14:37	Com#77(Benzidine) Failed in the calibration for both DOD and NON-DOD	RC/JU	Ok,M
8	SSTDICC060	SSTDICC060	BF140237.D	05 Nov 2024 15:03		RC/JU	Ok
9	SSTDICC080	SSTDICC080	BF140238.D	05 Nov 2024 15:30		RC/JU	Ok,M
10	SSTDICV040	ICVBF110524	BF140239.D	05 Nov 2024 16:07		RC/JU	Ok
11	PB164366BL	PB164366BL	BF140240.D	05 Nov 2024 16:37		RC/JU	Ok
12	P4368-02	LOQ-SOIL-02-QT4-202	BF140241.D	05 Nov 2024 17:03	LOQ-SOIL-5 ppm	RC/JU	Ok
13	P4368-02	LOQ-SOIL-02-QT4-202	BF140242.D	05 Nov 2024 17:30	LOQ-SOIL-10 PPM (Used for All compounds except compounds#54,77)	RC/JU	Ok,M
14	P4368-08	LOQ-WATER-02-QT4-2	BF140243.D	05 Nov 2024 17:56	LOQ-Water-5 ppm	RC/JU	Ok,M
15	P4368-02	LOQ-SOIL-02-QT4-202	BF140244.D	05 Nov 2024 18:22	LOQ-SOIL-5 ppm, Already Analyzed	RC/JU	Not Ok
16	P4368-08	LOQ-WATER-02-QT4-2	BF140245.D	05 Nov 2024 18:49	LOQ-Water-10 ppm, Internal Standard Fail	RC/JU	Not Ok

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF110524

Review By	yogesh	Review On	11/6/2024 3:09:46 AM		
Supervise By	mohammad	Supervise On	11/6/2024 3:16:35 AM		
SubDirectory	BF110524	HP Acquire Method	BNA_F	HP Processing Method	bf110524
STD. NAME		STD REF.#			
Tune/Reschk		SP6573			
Initial Calibration Stds		SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621			
CCC		SP6624			
Internal Standard/PEM		S12324,10ul/1000ul sample			
ICV/I.BLK		SP6559			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

17	P4368-01	LOD-MDL-SOIL-01-QT	BF140246.D	05 Nov 2024 19:15	LOD-MDL-SOIL- 4 ppm	RC/JU	Ok
18	P4368-01	LOD-MDL-SOIL-01-QT	BF140247.D	05 Nov 2024 19:41	LOD-MDL-SOIL- 8 ppm	RC/JU	Ok,M
19	P4368-07	LOD-MDL-WATER-01-QT	BF140248.D	05 Nov 2024 20:07	LOD-MDL-WATER- 4 ppm	RC/JU	Ok,M
20	P4368-07	LOD-MDL-WATER-01-QT	BF140249.D	05 Nov 2024 20:34	LOD-MDL-WATER- 8 ppm	RC/JU	Ok,M
21	PB164369BL	PB164369BL	BF140250.D	05 Nov 2024 21:00		RC/JU	Ok
22	SSTDCCC040	SSTDCCC040EC	BF140251.D	05 Nov 2024 21:26		RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF110824

Review By	yogesh	Review On	11/10/2024 11:36:46 PM
Supervise By	mohammad	Supervise On	11/11/2024 12:24:00 AM
SubDirectory	BF110824	HP Acquire Method	BNA_F
		HP Processing Method	bf110524

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12326,10ul/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	BF140285.D	08 Nov 2024 09:09		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF140286.D	08 Nov 2024 09:35		RC/JU	Ok,M
3	PB164765BL	PB164765BL	BF140287.D	08 Nov 2024 10:02		RC/JU	Ok
4	PB164750BS	PB164750BS	BF140288.D	08 Nov 2024 10:28		RC/JU	Ok,M
5	PB164680BL	PB164680BL	BF140289.D	08 Nov 2024 10:55		RC/JU	Ok
6	PB164680BS	PB164680BS	BF140290.D	08 Nov 2024 11:22		RC/JU	Ok,M
7	P4732-01	PPE-COMP	BF140291.D	08 Nov 2024 11:54	Internal standard fail	RC/JU	Ok
8	P4694-05RE	Z-04RE	BF140292.D	08 Nov 2024 12:21	Internal standard fail	RC/JU	Confirms
9	P4720-01DL	JC-701-COMP-01DL	BF140293.D	08 Nov 2024 12:47		RC/JU	Ok
10	P4695-01DL	Z-01DL	BF140294.D	08 Nov 2024 13:13		RC/JU	Ok,M
11	P4739-01	TP-14	BF140295.D	08 Nov 2024 13:40	Internal standard fail	RC/JU	Ok
12	P4694-01DL	Z-03ADL	BF140296.D	08 Nov 2024 14:06	Internal standard fail	RC/JU	Ok,M
13	P4739-05	BP-G2	BF140297.D	08 Nov 2024 14:32	Internal standard fail	RC/JU	Ok
14	P4739-09	BP-B2	BF140298.D	08 Nov 2024 14:58	Internal Standard Fail, Need 5X Dilution	RC/JU	Dilution
15	P4737-01	TP2	BF140299.D	08 Nov 2024 15:24	Internal standard fail	RC/JU	Ok
16	P4737-01MS	TP2MS	BF140300.D	08 Nov 2024 15:51	Internal standard fail	RC/JU	Ok
17	P4737-01MSD	TP2MSD	BF140301.D	08 Nov 2024 16:17	Internal standard fail	RC/JU	Ok

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF110824

Review By	yogesh	Review On	11/10/2024 11:36:46 PM		
Supervise By	mohammad	Supervise On	11/11/2024 12:24:00 AM		
SubDirectory	BF110824	HP Acquire Method	BNA_F	HP Processing Method	bf110524
STD. NAME		STD REF.#			
Tune/Reschk		SP6573			
Initial Calibration Stds		SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621			
CCC		SP6624			
Internal Standard/PEM		S12326,10ul/1000ul sample			
ICV/I.BLK		SP6559			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

18	P4738-01	72-12018	BF140302.D	08 Nov 2024 16:43	Internal standard fail	RC/JU	ReRun
19	P4722-08	WC-2(0-6)	BF140303.D	08 Nov 2024 17:10	Internal standard fail, Need 2X Dilution	RC/JU	Dilution
20	P4739-13	TP-11	BF140304.D	08 Nov 2024 17:36	Internal Standard Fail	RC/JU	Ok,M
21	P4722-03	WC-1(0-6)	BF140305.D	08 Nov 2024 18:03	Internal Standard Fail	RC/JU	Ok,M
22	P4756-01	BP-B4	BF140306.D	08 Nov 2024 18:29	Internal Standard Fail	RC/JU	Ok
23	P4756-01MS	BP-B4MS	BF140307.D	08 Nov 2024 18:55	Internal Standard Fail	RC/JU	Ok
24	P4756-01MSD	BP-B4MSD	BF140308.D	08 Nov 2024 19:22	Internal Standard Fail	RC/JU	Ok
25	P4768-01	B-3-1	BF140309.D	08 Nov 2024 19:48	Internal Standard Fail	RC/JU	Ok
26	P4768-06	B-6-2	BF140310.D	08 Nov 2024 20:14	Internal standard fail, Need 2X Dilution	RC/JU	Dilution

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch 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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch 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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF111424

Review By	yogesh	Review On	11/15/2024 5:15:55 AM
Supervise By	mohammad	Supervise On	11/15/2024 5:49:37 AM
SubDirectory	BF111424	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	BF140350.D	14 Nov 2024 08:47		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF140351.D	14 Nov 2024 09:42		RC/JU	Ok
3	PB164908BL	PB164908BL	BF140352.D	14 Nov 2024 10:08		RC/JU	Ok
4	PB164911BS	PB164911BS	BF140353.D	14 Nov 2024 10:34		RC/JU	Ok,M
5	PB164911BSD	PB164911BSD	BF140354.D	14 Nov 2024 11:01		RC/JU	Ok,M
6	PB164911BL	PB164911BL	BF140355.D	14 Nov 2024 11:27		RC/JU	Ok
7	P3845-06DL	PT-ACIDS-WPDL	BF140356.D	14 Nov 2024 11:54		RC/JU	Ok
8	P4762-02	EFF-WW	BF140357.D	14 Nov 2024 13:03		RC/JU	Ok
9	P4792-03	OILY-STONE-DRUM	BF140358.D	14 Nov 2024 13:29		RC/JU	Ok
10	P4837-03	3TRK-STONE	BF140359.D	14 Nov 2024 13:55		RC/JU	Ok
11	P4834-03	SLP-1-STONE	BF140360.D	14 Nov 2024 14:21		RC/JU	Ok
12	P4779-01	SOIL-01	BF140361.D	14 Nov 2024 14:47		RC/JU	Ok
13	P4838-03	T1-STONE	BF140362.D	14 Nov 2024 15:13		RC/JU	Ok
14	P4718-04	WB-307-SW	BF140363.D	14 Nov 2024 15:39		RC/JU	Ok
15	P4812-01	RBR200035	BF140364.D	14 Nov 2024 16:04		RC/JU	Ok
16	DFTPP	DFTPP	BF140365.D	14 Nov 2024 16:35		RC/JU	Ok
17	SSTDCCC040	SSTDCCC040	BF140366.D	14 Nov 2024 17:02		RC/JU	Ok
18	PB164846BL	PB164846BL	BF140367.D	14 Nov 2024 17:28		RC/JU	Ok

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF111424

Review By	yogesh	Review On	11/15/2024 5:15:55 AM		
Supervise By	mohammad	Supervise On	11/15/2024 5:49:37 AM		
SubDirectory	BF111424	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					

19	P4722-10	WC-2(0-6)	BF140368.D	14 Nov 2024 17:59		RC/JU	Ok
20	P4722-15	WC-3(0-6)	BF140369.D	14 Nov 2024 18:25		RC/JU	Ok
21	P4791-02	HINCHMAN-OILY-WAT	BF140370.D	14 Nov 2024 18:51	Internal Standard Fail	RC/JU	Ok
22	P4792-04	MANHOLE-WASTE-DR	BF140371.D	14 Nov 2024 19:17		RC/JU	Ok
23	P4788-01	BP-G3	BF140372.D	14 Nov 2024 19:43		RC/JU	Ok
24	P4788-01MS	BP-G3MS	BF140373.D	14 Nov 2024 20:09		RC/JU	Ok
25	P4788-01MSD	BP-G3MSD	BF140374.D	14 Nov 2024 20:35		RC/JU	Ok
26	P4796-05RE	TP-3RE	BF140375.D	14 Nov 2024 21:01	Fax is already given	RC/JU	Confirms
27	P4796-01RE	TP-1RE	BF140376.D	14 Nov 2024 21:28	Fax is already given	RC/JU	Confirms
28	P4722-08DL	WC-2(0-6)DL	BF140377.D	14 Nov 2024 21:54		RC/JU	Ok,M
29	P4768-06DL	B-6-2DL	BF140378.D	14 Nov 2024 22:20		RC/JU	Ok,M
30	P4739-09DL	BP-B2DL	BF140379.D	14 Nov 2024 22:47		RC/JU	Ok
31	P4795-01RE	LAW-23-00189RE	BF140380.D	14 Nov 2024 23:13	Fax is already given	RC/JU	Confirms
32	P4811-01RE	RB24008RE	BF140381.D	14 Nov 2024 23:39	Internal Standard Fail	RC/JU	Confirms
33	P4816-01RE	331RE	BF140382.D	15 Nov 2024 00:05	Fax is already given	RC/JU	Confirms
34	P4807-05	BF-F14	BF140383.D	15 Nov 2024 00:32		RC/JU	Ok
35	P4807-05MS	BF-F14MS	BF140384.D	15 Nov 2024 00:58		RC/JU	Ok
36	P4807-05MSD	BF-F14MSD	BF140385.D	15 Nov 2024 01:24		RC/JU	Ok
37	P4807-01	TP-7	BF140386.D	15 Nov 2024 01:49		RC/JU	Ok

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF111424

Review By	yogesh	Review On	11/15/2024 5:15:55 AM
Supervise By	mohammad	Supervise On	11/15/2024 5:49:37 AM
SubDirectory	BF111424	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	

38	P4798-01	MH-6	BF140387.D	15 Nov 2024 02:16	Need 2X Dilution	RC/JU	Dilution
39	P4789-01	BP-F21	BF140388.D	15 Nov 2024 02:42		RC/JU	Ok
40	P4793-01	M00-24-00345	BF140389.D	15 Nov 2024 03:08		RC/JU	Confirms

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF111524

Review By	yogesh	Review On	11/18/2024 1:26:57 AM
Supervise By	mohammad	Supervise On	11/18/2024 2:51:39 AM
SubDirectory	BF111524	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	BF140390.D	15 Nov 2024 09:16		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF140391.D	15 Nov 2024 09:42		RC/JU	Ok,M
3	PB164789BL	PB164789BL	BF140392.D	15 Nov 2024 10:08		RC/JU	Ok
4	PB164789BS	PB164789BS	BF140393.D	15 Nov 2024 10:34		RC/JU	Ok,M
5	PB164886BS	PB164886BS	BF140394.D	15 Nov 2024 11:00		RC/JU	Ok,M
6	P4799-03	WC-TA2-02-C	BF140395.D	15 Nov 2024 11:33		RC/JU	Ok
7	P4799-03MS	WC-TA2-02-CMS	BF140396.D	15 Nov 2024 11:59		RC/JU	Ok,M
8	P4799-03MSD	WC-TA2-02-CMSD	BF140397.D	15 Nov 2024 12:25		RC/JU	Ok,M
9	P4799-07	WC-TA2-03-C	BF140398.D	15 Nov 2024 12:52		RC/JU	Ok
10	P4799-11	WC-TA1-01-C	BF140399.D	15 Nov 2024 13:18		RC/JU	Ok
11	P4799-15	WC-TA1-02-C	BF140400.D	15 Nov 2024 13:44		RC/JU	Ok
12	P4799-19	WC-TA1-03-C	BF140401.D	15 Nov 2024 14:10		RC/JU	Ok
13	P4807-04	TP-7	BF140402.D	15 Nov 2024 14:36		RC/JU	Ok
14	P4807-08	BF-F14	BF140403.D	15 Nov 2024 15:02		RC/JU	Ok
15	P4807-12	BF-F13	BF140404.D	15 Nov 2024 15:29		RC/JU	Ok
16	P4807-16	TP-6	BF140405.D	15 Nov 2024 15:55		RC/JU	Ok
17	P4809-04	MH-5	BF140406.D	15 Nov 2024 16:21		RC/JU	Ok
18	P4807-13	TP-6	BF140407.D	15 Nov 2024 16:47		RC/JU	Ok

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF111524

Review By	yogesh	Review On	11/18/2024 1:26:57 AM		
Supervise By	mohammad	Supervise On	11/18/2024 2:51:39 AM		
SubDirectory	BF111524	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					

19	P4807-09	BF-F13	BF140408.D	15 Nov 2024 17:13		RC/JU	Ok
20	P4836-03	T3-STONE	BF140409.D	15 Nov 2024 17:40	Internal Standard Fail	RC/JU	ReRun
21	P4835-03	345-2-STONE	BF140410.D	15 Nov 2024 18:06		RC/JU	Ok
22	P4798-01DL	MH-6DL	BF140411.D	15 Nov 2024 18:32		RC/JU	Ok,M
23	P4825-01	STOCK-PILE	BF140412.D	15 Nov 2024 18:58		RC/JU	Ok,M
24	P4809-01	MH-5	BF140413.D	15 Nov 2024 19:25		RC/JU	Ok,M
25	P4850-01	OR-03-11142024	BF140414.D	15 Nov 2024 19:51		RC/JU	Ok,M
26	P4851-01	OK-02-11142024	BF140415.D	15 Nov 2024 20:17		RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF111624

Review By	yogesh	Review On	11/19/2024 3:19:51 AM
Supervise By	mohammad	Supervise On	11/19/2024 3:30:32 AM
SubDirectory	BF111624	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	BF140416.D	16 Nov 2024 09:08		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF140417.D	16 Nov 2024 09:34		RC/JU	Ok,M
3	PB164993BL	PB164993BL	BF140418.D	16 Nov 2024 10:02		RC/JU	Ok
4	PB164993BS	PB164993BS	BF140419.D	16 Nov 2024 10:28		RC/JU	Ok,M
5	P4821-04	BP-F-24	BF140420.D	16 Nov 2024 11:01	Internal Standard and Surrogate Fail	RC/JU	ReRun
6	P4821-08	BP-F-2	BF140421.D	16 Nov 2024 11:27		RC/JU	Ok
7	P4823-04	MH-4	BF140422.D	16 Nov 2024 11:53		RC/JU	Ok
8	P4833-04	MH-731	BF140423.D	16 Nov 2024 12:19		RC/JU	Ok
9	P4833-08	TP-2	BF140424.D	16 Nov 2024 12:46		RC/JU	Ok
10	P4824-01	T-20	BF140425.D	16 Nov 2024 13:12	Internal standard fail - hydrocarbons	RC/JU	Ok
11	P4821-05	BP-F-2	BF140426.D	16 Nov 2024 13:38		RC/JU	Ok
12	P4833-01	MH-731	BF140427.D	16 Nov 2024 14:04		RC/JU	Ok
13	P4833-01MS	MH-731MS	BF140428.D	16 Nov 2024 14:31		RC/JU	Ok,M
14	P4833-01MSD	MH-731MSD	BF140429.D	16 Nov 2024 14:57		RC/JU	Ok,M
15	P4848-01	TP-1	BF140430.D	16 Nov 2024 15:23		RC/JU	Ok,M
16	P4821-01	BP-F-24	BF140431.D	16 Nov 2024 15:49		RC/JU	Ok
17	P4821-01MS	BP-F-24MS	BF140432.D	16 Nov 2024 16:16		RC/JU	Ok,M

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF111624

Review By	yogesh	Review On	11/19/2024 3:19:51 AM		
Supervise By	mohammad	Supervise On	11/19/2024 3:30:32 AM		
SubDirectory	BF111624	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	P4821-01MSD	BP-F-24MSD	BF140433.D	16 Nov 2024 16:42		RC/JU	Ok,M
19	P4823-01	MH-4	BF140434.D	16 Nov 2024 17:08		RC/JU	Ok,M
20	P4768-02	B-3-2	BF140435.D	16 Nov 2024 17:34		RC/JU	Ok,M
21	P4833-05	TP-2	BF140436.D	16 Nov 2024 18:00		RC/JU	Ok
22	P4849-01	RR-1	BF140437.D	16 Nov 2024 18:27	Internal Standard Fail	RC/JU	ReRun
23	P4768-04	B-4	BF140438.D	16 Nov 2024 18:53		RC/JU	Ok
24	P4768-03	B-3-3	BF140439.D	16 Nov 2024 19:19	Internal Standard Fail	RC/JU	ReRun
25	P4859-01	NB-08-111424	BF140440.D	16 Nov 2024 19:45	Internal Standard Fail	RC/JU	ReRun
26	P4857-01	ETGI-328	BF140441.D	16 Nov 2024 20:11	Internal standard fail - hydrocarbons and oily matrix	RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF111924

Review By	yogesh	Review On	11/20/2024 7:05:01 AM
Supervise By	mohammad	Supervise On	11/20/2024 7:31:21 AM
SubDirectory	BF111924	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	BF140462.D	19 Nov 2024 09:32		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF140463.D	19 Nov 2024 10:34		RC/JU	Ok,M
3	PB165019TB	PB165019TB	BF140464.D	19 Nov 2024 11:00		RC/JU	Ok
4	P4848-02MS	TP-1MS	BF140465.D	19 Nov 2024 11:36		RC/JU	Ok,M
5	P4848-02MSD	TP-1MSD	BF140466.D	19 Nov 2024 12:02		RC/JU	Ok,M
6	P4870-04	MH-735	BF140467.D	19 Nov 2024 12:28		RC/JU	Ok
7	P4852-01	COMP-1	BF140468.D	19 Nov 2024 12:54		RC/JU	Ok,M
8	P4852-02	COMP-2	BF140469.D	19 Nov 2024 13:21		RC/JU	Ok,M
9	P4852-03	COMP-3	BF140470.D	19 Nov 2024 13:47		RC/JU	Ok,M
10	P4852-03MS	COMP-3MS	BF140471.D	19 Nov 2024 14:13		RC/JU	Ok,M
11	P4852-03MSD	COMP-3MSD	BF140472.D	19 Nov 2024 14:39		RC/JU	Ok,M
12	P4771-05	P-1	BF140473.D	19 Nov 2024 15:06		RC/JU	Ok,M
13	P4771-07	P-2	BF140474.D	19 Nov 2024 15:32		RC/JU	Ok,M
14	P4889-03	#72-11978	BF140475.D	19 Nov 2024 15:58		RC/JU	Ok,M
15	P4869-01	EO-02-11152024	BF140476.D	19 Nov 2024 16:24		RC/JU	Ok
16	P4870-01	TP-1	BF140477.D	19 Nov 2024 16:51		RC/JU	Ok
17	P4857-03	VNJ-226	BF140478.D	19 Nov 2024 17:17		RC/JU	Ok,M
18	P4889-05	#72-11930	BF140479.D	19 Nov 2024 17:43	Need 5X Dilution	RC/JU	Dilution

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF111924

Review By	yogesh	Review On	11/20/2024 7:05:01 AM		
Supervise By	mohammad	Supervise On	11/20/2024 7:31:21 AM		
SubDirectory	BF111924	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					

19	P4889-01	VNJ-228	BF140480.D	19 Nov 2024 18:10		RC/JU	Ok,M
20	P4849-01	RR-1	BF140481.D	19 Nov 2024 18:36		RC/JU	Ok,M
21	P4768-03	B-3-3	BF140482.D	19 Nov 2024 19:02		RC/JU	Ok
22	P4859-01RE	NB-08-111424RE	BF140483.D	19 Nov 2024 19:28	Fax is already given	RC/JU	Confirms
23	P4908-01	SP-1	BF140484.D	19 Nov 2024 19:54		RC/JU	Ok
24	P4908-03	SP-2	BF140485.D	19 Nov 2024 20:20		RC/JU	Ok,M
25	P4768-07	B-6-3	BF140486.D	19 Nov 2024 20:47		RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF112024

Review By	Review On
Supervise By	Supervise On
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,NR
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,NR
5	PB165039BSD	PB165039BSD	BF140491.D	20 Nov 2024 10:49		RC/JU	Ok,NR
6	P4843-01	SW-WTS-01	BF140492.D	20 Nov 2024 11:23		RC/JU	Ok,NR
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,NR
11	P4892-02MSD	WB-310-BOTMSD	BF140497.D	20 Nov 2024 13:35		RC/JU	Ok,NR
12	P4868-03RE	RW5-SP303-20241114	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,NR
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,NR
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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF112024

Review By	Review On
Supervise By	Supervise On
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,NR
25	P4909-01	BU-02-111824	BF140511.D	20 Nov 2024 20:28		RC/JU	Ok,NR
26	P4910-05	MH-759	BF140512.D	20 Nov 2024 20:54	Internal Standard Fail	RC/JU	Ok,NR
27	P4889-05DL	#72-11930DL	BF140513.D	20 Nov 2024 21:21	Internal Standard Fail	RC/JU	Ok,NR
28	P4822-10	SOIL-5	BF140514.D	20 Nov 2024 21:47		RC/JU	Ok,NR
29	P4822-12	SOIL-6	BF140515.D	20 Nov 2024 22:13		RC/JU	Ok,NR
30	P4822-06	SOIL-3	BF140516.D	20 Nov 2024 22:40		RC/JU	Ok,NR
31	P4822-08	SOIL-4	BF140517.D	20 Nov 2024 23:06		RC/JU	Ok,NR
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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF112024

Review By	Review On
Supervise By	Supervise On
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



PERCENT SOLID

Supervisor: sohil
Analyst: jignesh
Date: 11/8/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 11/07/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:11
Out Date: 11/08/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB133343

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
P4756-01	BP-B4	1	1.15	8.77	9.92	8.94	88.8	
P4756-02	BP-B4-EPH	2	1.19	8.52	9.71	8.69	88.0	
P4756-03	BP-B4-VOC	3	1.19	8.72	9.91	8.93	88.8	
P4768-01	B-3-1	4	1.16	8.50	9.66	9.17	94.2	
P4768-02	B-3-2	5	1.16	8.62	9.78	9.36	95.1	
P4768-03	B-3-3	6	1.19	8.55	9.74	9.04	91.8	
P4768-04	B-4	7	1.18	8.45	9.63	9.22	95.1	
P4768-05	B-5	8	1.19	8.53	9.72	8.87	90.0	
P4768-06	B-6-2	9	1.15	8.43	9.58	9.1	94.3	
P4768-07	B-6-3	10	1.19	8.44	9.63	9.24	95.4	
P4769-01	PIPE-1	11	1.00	1.00	2.00	2.00	100.0	wipe sample
P4769-02	PIPE-2	12	1.00	1.00	2.00	2.00	100.0	wipe sample
P4769-03	PIPE-3	13	1.00	1.00	2.00	2.00	100.0	wipe sample
P4769-04	PIPE-4	14	1.00	1.00	2.00	2.00	100.0	wipe sample
P4769-05	PIPE-5	15	1.00	1.00	2.00	2.00	100.0	wipe sample
P4776-03	MDL-SOIL-QT4-2024-07	16	1.00	1.00	2.00	2.00	100.0	
P4776-04	MDL-SOIL-QT4-2024-08	17	1.00	1.00	2.00	2.00	100.0	
P4776-05	MDL-MED-SOIL-QT4-2024-07	18	1.00	1.00	2.00	2.00	100.0	
P4776-06	MDL-MED-SOIL-QT4-2024-08	19	1.00	1.00	2.00	2.00	100.0	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

JB 133343

WorkList Name : %1-110724

WorkList ID : 185187

Department : Wet-Chemistry

Date : 11-07-2024 07:54:28

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4756-01	BP-B4	Solid	Percent Solids	Cool 4 deg C	PSEG03	L23	11/07/2024	Chemtech -SO
P4756-02	BP-B4-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L23	11/07/2024	Chemtech -SO
P4756-03	BP-B4-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L23	11/07/2024	Chemtech -SO
P4768-01	B-3-1	Solid	Percent Solids	Cool 4 deg C	JPCL01	L23	11/07/2024	Chemtech -SO
P4768-02	B-3-2	Solid	Percent Solids	Cool 4 deg C	JPCL01	L23	11/07/2024	Chemtech -SO
P4768-03	B-3-3	Solid	Percent Solids	Cool 4 deg C	JPCL01	L23	11/07/2024	Chemtech -SO
P4768-04	B-4	Solid	Percent Solids	Cool 4 deg C	JPCL01	L23	11/07/2024	Chemtech -SO
P4768-05	B-5	Solid	Percent Solids	Cool 4 deg C	JPCL01	L23	11/07/2024	Chemtech -SO
P4768-06	B-6-2	Solid	Percent Solids	Cool 4 deg C	JPCL01	L23	11/07/2024	Chemtech -SO
P4768-07	B-6-3	Solid	Percent Solids	Cool 4 deg C	JPCL01	L23	11/07/2024	Chemtech -SO
P4769-01	PIPE-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	K11	11/07/2024	Chemtech -SO
P4769-02	PIPE-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K11	11/07/2024	Chemtech -SO
P4769-03	PIPE-3	Solid	Percent Solids	Cool 4 deg C	PSEG03	K11	11/07/2024	Chemtech -SO
P4769-04	PIPE-4	Solid	Percent Solids	Cool 4 deg C	PSEG03	K11	11/07/2024	Chemtech -SO
P4769-05	PIPE-5	Solid	Percent Solids	Cool 4 deg C	PSEG03	K11	11/07/2024	Chemtech -SO
P4776-03	MDL-SOIL-QT4-2024-07	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	11/07/2024	Chemtech -SO
P4776-04	MDL-SOIL-QT4-2024-08	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	11/07/2024	Chemtech -SO
P4776-05	MDL-MED-SOIL-QT4-2024-07	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	11/07/2024	Chemtech -SO
P4776-06	MDL-MED-SOIL-QT4-2024-08	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	11/07/2024	Chemtech -SO

Date/Time 11/07/24 16:00

Raw Sample Received by: JB WCC

Raw Sample Relinquished by: CFS

Date/Time 11/07/24

Raw Sample Received by:

Raw Sample Relinquished by:

17:15

CFS

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: N/A

Matrix : Solid

Weigh By: EH

Balance check: RJ

Balance ID: EX-SC-2

pH Strip Lot#: N/A

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 3,7

Extraction Start Date : 11/08/2024

Extraction Start Time : 09:45

Extraction End Date : 11/08/2024

Extraction End Time : 13:35

Concentration By: EH

Supervisor By : rajesh

Extraction Method: ☐ Separatory Funnel ☐ Continous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☒ Soxhlet

Standard 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
MeCl2/Acetone/1:1	N/A	EP2538
Baked Na2SO4	N/A	EP2556
Sand	N/A	E2865
Methylene Chloride	N/A	E3823
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5 ML Vial lot# 2210673.P4771-05,07 Added in batch at 10:30.

KD Bath ID: N/A

Envap ID: NEVAP-02

KD Bath Temperature: N/A

Envap Temperature: 40 °C

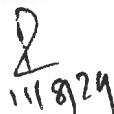
Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/8/24	RP (Ext Lab)	Relsvor
13:40	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 11/08/2024

Sample ID	Client Sample ID	Test	g/mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB164789BL	SBLK789	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1			U5-1
PB164789BS	SLCS789	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1			2
P4756-01	BP-B4	SVOC-TCL BNA -20	50.06	N/A	ritesh	Evelyn	1	D		3
P4756-01MS	BP-B4MS	SVOC-TCL BNA -20	50.03	N/A	ritesh	Evelyn	1	D		4
P4756-01MS D	BP-B4MSD	SVOC-TCL BNA -20	50.07	N/A	ritesh	Evelyn	1	D		5
P4768-01	B-3-1	SVOC-TCL BNA -20	30.06	N/A	ritesh	Evelyn	1	E		6
P4768-02	B-3-2	SVOC-TCL BNA -20	30.05	N/A	ritesh	Evelyn	1	E		U6-1
P4768-03	B-3-3	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1	E		2
P4768-04	B-4	SVOC-TCL BNA -20	30.08	N/A	ritesh	Evelyn	1	E		3
P4768-05	B-5	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1	E		4
P4768-06	B-6-2	SVOC-TCL BNA -20	30.04	N/A	ritesh	Evelyn	1	E		5
P4768-07	B-6-3	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1	E		6
P4771-05	P-1	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1	E		U4-1
P4771-07	P-2	SVOC-TCL BNA -20	30.00	N/A	ritesh	Evelyn	1	E		2

* Extracts relinquished on the same date as received.



9:45 AM
11/6/24

WORKLIST(Hardcopy Internal Chain)

WorkList Name : P4768

WorkList ID : 185242

Department : Extraction

Date : 11-08-2024 08:16:46

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4756-01	BP-B4	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L23	11/07/2024	8270E
P4768-01	B-3-1	Solid	SVOC-TCL BNA -20	Cool 4 deg C	JPCL01	L23	11/07/2024	8270E
P4768-02	B-3-2	Solid	SVOC-TCL BNA -20	Cool 4 deg C	JPCL01	L23	11/07/2024	8270E
P4768-03	B-3-3	Solid	SVOC-TCL BNA -20	Cool 4 deg C	JPCL01	L23	11/07/2024	8270E
P4768-04	B-4	Solid	SVOC-TCL BNA -20	Cool 4 deg C	JPCL01	L23	11/07/2024	8270E
P4768-05	B-5	Solid	SVOC-TCL BNA -20	Cool 4 deg C	JPCL01	L23	11/07/2024	8270E
P4768-06	B-6-2	Solid	SVOC-TCL BNA -20	Cool 4 deg C	JPCL01	L23	11/07/2024	8270E
P4768-07	B-6-3	Solid	SVOC-TCL BNA -20	Cool 4 deg C	JPCL01	L23	11/07/2024	8270E

Date/Time 11/8/24 9:40
Raw Sample Received by: RJ (RJ 145)
Raw Sample Relinquished by: JDCSM

Date/Time 11/8/24 10:10
Raw Sample Received by: RJ (RJ 145)
Raw Sample Relinquished by: JDCSM

WORKLIST(Hardcopy Internal Chain)

Worklist Name : P4771

Worklist ID : 185255

Department : Extraction

Date : 11-08-2024 10:30:46

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4771-05	P-1	Solid	EPH	Cool 4 deg C	M2AS01	L32	11/07/2024	NUEPH
P4771-05	P-1	Solid	PCB	Cool 4 deg C	M2AS01	L32	11/07/2024	8082A
P4771-05	P-1	Solid	Pesticide-TCL	Cool 4 deg C	M2AS01	L32	11/07/2024	8081B
P4771-07	P-2	Solid	SVOC-TCL BNA -20	Cool 4 deg C	M2AS01	L32	11/07/2024	8270E
P4771-07	P-2	Solid	EPH	Cool 4 deg C	M2AS01	L32	11/07/2024	NUEPH
P4771-07	P-2	Solid	PCB	Cool 4 deg C	M2AS01	L32	11/07/2024	8082A
P4771-07	P-2	Solid	Pesticide-TCL	Cool 4 deg C	M2AS01	L32	11/07/2024	8081B
P4771-07	P-2	Solid	SVOC-TCL BNA -20	Cool 4 deg C	M2AS01	L32	11/07/2024	8270E

Date/Time

11/8/24

10:30

Raw Sample Received by:

JS (for leg)

Raw Sample Relinquished by:

JD (CSM)

Date/Time

11/8/24

11:00

Raw Sample Received by:

JD (for leg)

Raw Sample Relinquished by:

JD (CSM)



SHIPPING DOCUMENTS

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: **TPCL Engineering**
ADDRESS: **2 Clenco Ln, Bldg 2**
CITY: **Hillsborough** STATE: **NJ** ZIP: **08844**
ATTENTION: **Paul Rotondi**
PHONE: **609-203-3846** FAX: **N/A**

CLIENT PROJECT INFORMATION

PROJECT NAME: **Trenton Youth Weekly**
PROJECT NO.: LOCATION: **Trenton**
PROJECT MANAGER: **PAUL Rotondi**
e-mail: **PROtondi@TPCLEngineering.com**
PHONE: **609-203-3846** FAX: **com**

CLIENT BILLING INFORMATION

BILL TO: **See Client** PO#:
ADDRESS:
CITY: STATE: ZIP:
ATTENTION: PHONE:
ANALYSIS

DATA TURNAROUND INFORMATION

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

DATA DELIVERABLE INFORMATION

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

VOC +10
EPH
Metals
PCBs
SVOCs

PRESERVATIVES

COMMENTS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES										COMMENTS ← Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	B-3 #1	Soil	X		11/7	9:49	4	3	1	1	1	1					
2.	B-3 #2		X		11/7	9:54	5	3	3	3	3	3					
3.	B-3 #3		X		11/7	10:01	6	3	3	3	3	3					
4.	B-4		X		11/7	9:07	5	3	2	2	2	2					
5.	B-5		X		11/7	9:26	5	3	2	2	2	2					
6.	B-6 #2		X		11/7	10:33	5	3	2	2	2	2					
7.	B-6 #3		X		11/7	10:36	5	3	2	2	2	2					
8.																	
9.																	
10.																	

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

RELINQUISHED BY SAMPLER: 1. NA	DATE/TIME: 11-7-24 1340	RECEIVED BY: 1. CR	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 1.9.5 °C
RELINQUISHED BY SAMPLER: 2. [Signature]	DATE/TIME:	RECEIVED BY: 2. [Signature]	Comments: NORMAL TAT
RELINQUISHED BY SAMPLER: 3. [Signature]	DATE/TIME:	RECEIVED BY: 3. [Signature]	Comments: If Cur #1

Page ____ of CLIENT: ☒ Hand Delivered ☐ Other Shipment Complete ☐ YES ☐ NO



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

Laboratory Certification

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P4768	JPCL01	Order Date : 11/7/2024 1:45:00 PM	Project Mgr : Yazmeen
Client Name : JPCL Engineering		Project Name : Trenton Youth Wrestling	Report Type : Level 1
Client Contact : Paul Rotondi		Receive DateTime : 11/7/2024 1:40:00 PM	EDD Type : Excel NY
Invoice Name : JPCL Engineering		Purchase Order :	Hard Copy Date :
Invoice Contact : Paul Rotondi			Date Signoff : 11/7/2024 3:37:57 PM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P4768-01	B-3-1	Solid	11/07/2024	09:49	VOC-TCLVOA-10		8260D		10 Bus. Days
P4768-02	B-3-2	Solid	11/07/2024	09:54	VOC-TCLVOA-10		8260D		10 Bus. Days
P4768-03	B-3-3	Solid	11/07/2024	10:01	VOC-TCLVOA-10		8260D		10 Bus. Days
P4768-04	B-4	Solid	11/07/2024	09:07	VOC-TCLVOA-10		8260D		10 Bus. Days
P4768-05	B-5	Solid	11/07/2024	09:26	VOC-TCLVOA-10		8260D		10 Bus. Days
P4768-06	B-6-2	Solid	11/07/2024	10:33	VOC-TCLVOA-10		8260D		10 Bus. Days
P4768-07	B-6-3	Solid	11/07/2024	10:36	VOC-TCLVOA-10		8260D		10 Bus. Days

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P4768	JPCL01	Order Date : 11/7/2024 1:45:00 PM	Project Mgr : Yazmeen
Client Name : JPCL Engineering		Project Name : Trenton Youth Wrestling	Report Type : Level 1
Client Contact : Paul Rotondi		Receive DateTime : 11/7/2024 1:40:00 PM	EDD Type : Excel NY
Invoice Name : JPCL Engineering		Purchase Order :	Hard Copy Date :
Invoice Contact : Paul Rotondi			Date Signoff : 11/7/2024 3:37:57 PM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES

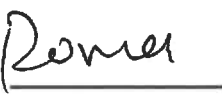
Relinquished By :

Date / Time :


11/7/24 1615

Received By :

Date / Time :


4:35 PM 11/07/24

Storage Area : VOA Refridgerator Room