

Cover Page

Order ID : Q2268

Project ID : Con Ed Non MGP – Atlantic Ave 453957.600024.05

Client : PARSONS Engineering of New York, Inc.

Lab Sample Number

Q2268-01
Q2268-02
Q2268-03
Q2268-04
Q2268-05
Q2268-06
Q2268-07
Q2268-08
Q2268-09
Q2268-10

Client Sample Number

MW-4-20250605
MW-5-20250605
MW-2-20250605
Q2268-03MS
Q2268-03MSD
MW-2-20250605-A
MW-6-20250605
MW-3-20250605
TB-20250605
FB-20250605

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: 6/20/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012



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

CASE NARRATIVE

PARSONS Engineering of New York, Inc.

Project Name: Con Ed Non MGP – Atlantic Ave 453957.600024.05

Project # N/A

Order ID # Q2268

Test Name: SVOCMS Group1

A. Number of Samples and Date of Receipt:

10 Water samples were received on 06/06/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Sulfate, SVOCMS Group1, TDS and VOCMS Group1. This data package contains results for SVOCMS Group1.

C. Analytical Techniques:

The samples were analyzed on instrument BNA_F using GC Column DB-UI 8270D which is 20 meters, 0.18 mm ID, 0.36 um df. The analysis of SVOCMS Group1 was based on method 8270E and extraction was done based on method 3510.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria.

The Internal Standards Areas met the acceptable requirements except for MW-6-20250605, MW-3-20250605. Due to high concentration of compounds, these samples required dilution. Therefore, samples were reanalyzed with dilution and reported.

The Retention Times were acceptable for all samples.

The MS {Q2268-04MS} with File ID: BF142735.D recoveries met the requirements for all compounds except for 2,3,4,6-Tetrachlorophenol[89%] and Hexachloroethane[211%] due to matrix interference.

The MSD {Q2268-05MSD} with File ID: BF142736.D recoveries met the acceptable requirements except for 2,3,4,6-Tetrachlorophenol[85%] and Hexachloroethane[192%] due to matrix interference.

The RPD for {Q2268-05MSD} with File ID: BF142736.D met criteria except for Naphthalene[42%] due to difference in MS and MSD concentrations.

The Blank Spike met requirements for all samples .

The Blank analysis did not indicate the presence of lab contamination.



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The Initial Calibration met the requirements.

The Continuous Calibration File ID BF142748.D met the requirements except for 2,4-Dinitrophenol. But associated samples have not positive hit for this compound therefore no corrective action was taken.

The Tuning criteria met requirements.

Samples MW-2-20250605, MW-2-20250605-A, MW-6-20250605 and MW-3-20250605 were diluted due to high concentrations.

E. Additional Comments:

Alliance has analyzed samples for SVOCMS Group1 by Method 8270 E for Project "Con Ed Non MGP – Atlantic Ave". Alliance certification was in applied status for compound "2,4-Dimethylphenol" with NJDEP for Method 8270E for SVOC group 1 at the time when samples for Project "Con Ed Non MGP – Atlantic Ave" were analyzed.

The Form 6 is not included in the data package because the Initial Calibration was performed using 8 points.

The soil samples results are based on a dry weight basis.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:

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

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

Signature_____

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 #: Q2268

Completed

For thorough review, the report must have the following:

GENERAL:

Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)

✓

Check chain-of-custody for proper relinquish/return of samples

✓

Is the chain of custody signed and complete

✓

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts

✓

Collect information for each project id from server. Were all requirements followed

✓

COVER PAGE:

Do numbers of samples correspond to the number of samples in the Chain of Custody on login page

✓

Do lab numbers and client Ids on cover page agree with the Chain of Custody

✓

CHAIN OF CUSTODY:

Do requested analyses on Chain of Custody agree with form I results

✓

Do requested analyses on Chain of Custody agree with the log-in page

✓

Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody

✓

Were the samples received within hold time

✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: SOHIL JODHANI

Date: 06/20/2025

LAB CHRONICLE

OrderID:	Q2268	OrderDate:	6/6/2025 2:21:00 PM
Client:	PARSONS Engineering of New York, Inc.	Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05
Contact:	Stephen Liberatore	Location:	D41,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2268-03	MW-2-20250605	Water			06/05/25			06/06/25
			SVOCMS Group1	8270E		06/10/25	06/11/25	
Q2268-03DL	MW-2-20250605DL	Water			06/05/25			06/06/25
			SVOCMS Group1	8270E		06/10/25	06/11/25	
Q2268-06	MW-2-20250605-A	Water			06/05/25			06/06/25
			SVOCMS Group1	8270E		06/10/25	06/11/25	
Q2268-06DL	MW-2-20250605-ADL	Water			06/05/25			06/06/25
			SVOCMS Group1	8270E		06/10/25	06/12/25	
Q2268-07	MW-6-20250605	Water			06/05/25			06/06/25
			SVOCMS Group1	8270E		06/10/25	06/11/25	
Q2268-07DL	MW-6-20250605DL	Water			06/05/25			06/06/25
			SVOCMS Group1	8270E		06/10/25	06/12/25	
Q2268-08	MW-3-20250605	Water			06/05/25			06/06/25
			SVOCMS Group1	8270E		06/10/25	06/11/25	
Q2268-08DL	MW-3-20250605DL	Water			06/05/25			06/06/25
			SVOCMS Group1	8270E		06/10/25	06/12/25	
Q2268-10	FB-20250605	Water			06/05/25			06/06/25
			SVOCMS Group1	8270E		06/10/25	06/11/25	

Hit Summary Sheet SW-846

SDG No.: Q2268

Client: PARSONS Engineering of New York, Inc.

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID : MW-2-20250605								
Q2268-03	MW-2-20250605	WATER	2,4-Dimethylphenol	4.200	J	1.9	5.2	ug/L
Q2268-03	MW-2-20250605	WATER	Naphthalene	130.000	E	0.52	5.2	ug/L
Q2268-03	MW-2-20250605	WATER	2-Methylnaphthalene	46.900		0.58	5.2	ug/L
Q2268-03	MW-2-20250605	WATER	Carbazole	2.600	J	0.75	5.2	ug/L
			Total Svoc :	183.70				
Q2268-03	MW-2-20250605	WATER	9-Octadecenoic acid, (E)-	*	8.300	J	0	ug/L
Q2268-03	MW-2-20250605	WATER	Benzene, (1-methylethyl)-	*	24.500	J	0	ug/L
Q2268-03	MW-2-20250605	WATER	Benzene, 1,2,3-trimethyl-	*	170.000	J	0	ug/L
Q2268-03	MW-2-20250605	WATER	Benzene, 1,3-diethyl-	*	29.800	J	0	ug/L
Q2268-03	MW-2-20250605	WATER	Benzene, 1,3-dimethyl-	*	190.000	J	0	ug/L
Q2268-03	MW-2-20250605	WATER	Benzene, 1,4-diethyl-	*	35.800	J	0	ug/L
Q2268-03	MW-2-20250605	WATER	Benzene, 1-ethenyl-2-methyl-	*	8.400	J	0	ug/L
Q2268-03	MW-2-20250605	WATER	Benzene, 1-ethyl-2,3-dimethyl-	*	22.500	J	0	ug/L
Q2268-03	MW-2-20250605	WATER	Benzene, 1-ethyl-3-methyl-	*	79.400	J	0	ug/L
Q2268-03	MW-2-20250605	WATER	Benzene, 1-ethyl-4-methyl-	*	59.400	J	0	ug/L
Q2268-03	MW-2-20250605	WATER	Benzene, 1-methyl-4-propyl-	*	18.600	J	0	ug/L
Q2268-03	MW-2-20250605	WATER	Benzene, 2-ethenyl-1,4-dimethyl-	*	11.200	J	0	ug/L
Q2268-03	MW-2-20250605	WATER	2-Hexene, 3-methyl-, (Z)-	*	14.600	J	0	ug/L
Q2268-03	MW-2-20250605	WATER	Cyclopentene, 1,2,3-trimethyl-	*	11.800	J	0	ug/L
Q2268-03	MW-2-20250605	WATER	Cyclopentene, 4,4-dimethyl-	*	9.000	J	0	ug/L
Q2268-03	MW-2-20250605	WATER	Indane-5-carboxylic acid	*	10.000	J	0	ug/L
Q2268-03	MW-2-20250605	WATER	n-Hexadecanoic acid	*	9.300	J	0	ug/L
Q2268-03	MW-2-20250605	WATER	N-Isobutyl(phenyl)methanesulfon	*	43.400	J	0	ug/L
Q2268-03	MW-2-20250605	WATER	Tetracyclo[3.3.1.0(2,8).0(4,6)]-no	*	150.000	J	0	ug/L
Q2268-03	MW-2-20250605	WATER	1-Methylnaphthalene	*	26.000	J	0.69	ug/L
			Total Tics :	932.00				
			Total Concentration:	1,115.70				
Client ID : MW-2-20250605DL								
Q2268-03DL	MW-2-20250605DL	WATER	2,4-Dimethylphenol	4.300	JD	3.9	10.4	ug/L
Q2268-03DL	MW-2-20250605DL	WATER	Naphthalene	150.000	D	1	10.4	ug/L
Q2268-03DL	MW-2-20250605DL	WATER	2-Methylnaphthalene	52.400	D	1.2	10.4	ug/L
			Total Svoc :	206.70				
			Total Concentration:	206.70				
Client ID : MW-2-20250605-A								
Q2268-06	MW-2-20250605-A	WATER	2,4-Dimethylphenol	3.800	J	1.9	5.2	ug/L
Q2268-06	MW-2-20250605-A	WATER	Naphthalene	110.000	E	0.52	5.2	ug/L

Hit Summary Sheet SW-846

SDG No.: Q2268
Client: PARSONS Engineering of New York, Inc.

Sample ID	Client ID		Parameter		Concentration	C	MDL		RDL	Units
Q2268-06	MW-2-20250605-A	WATER	2-Methylnaphthalene		38.800		0.58		5.2	ug/L
Q2268-06	MW-2-20250605-A	WATER	Carbazole		2.400	J	0.75		5.2	ug/L
Total Svoc :					155.00					
Q2268-06	MW-2-20250605-A	WATER	2-Hexene, 2-methyl-	*	11.400	J	0		0	ug/L
Q2268-06	MW-2-20250605-A	WATER	7-Methylindan-1-one	*	8.200	J	0		0	ug/L
Q2268-06	MW-2-20250605-A	WATER	Benzene, (1-methylethyl)-	*	20.700	J	0		0	ug/L
Q2268-06	MW-2-20250605-A	WATER	Benzene, 1,2,3-trimethyl-	*	150.000	J	0		0	ug/L
Q2268-06	MW-2-20250605-A	WATER	Benzene, 1,3-diethyl-	*	26.100	J	0		0	ug/L
Q2268-06	MW-2-20250605-A	WATER	Benzene, 1,3-dimethyl-	*	160.000	J	0		0	ug/L
Q2268-06	MW-2-20250605-A	WATER	Benzene, 1,4-diethyl-	*	31.600	J	0		0	ug/L
Q2268-06	MW-2-20250605-A	WATER	Benzene, 1-ethyl-4-methyl-	*	52.600	J	0		0	ug/L
Q2268-06	MW-2-20250605-A	WATER	Benzene, 1-methyl-4-propyl-	*	16.200	J	0		0	ug/L
Q2268-06	MW-2-20250605-A	WATER	Benzene, 2-ethenyl-1,4-dimethyl-	*	10.000	J	0		0	ug/L
Q2268-06	MW-2-20250605-A	WATER	Benzoic acid, 3,4-dimethyl-	*	6.700	J	0		0	ug/L
Q2268-06	MW-2-20250605-A	WATER	Cyclobutane, (1-methylethylidene	*	10.900	J	0		0	ug/L
Q2268-06	MW-2-20250605-A	WATER	Cyclohexene, 1-methyl-	*	6.800	J	0		0	ug/L
Q2268-06	MW-2-20250605-A	WATER	Cyclopentene, 1,2,3-trimethyl-	*	9.900	J	0		0	ug/L
Q2268-06	MW-2-20250605-A	WATER	Indane-5-carboxylic acid	*	8.000	J	0		0	ug/L
Q2268-06	MW-2-20250605-A	WATER	N-Benzyl-2-phenethylamine	*	34.700	J	0		0	ug/L
Q2268-06	MW-2-20250605-A	WATER	o-Cymene	*	20.200	J	0		0	ug/L
Q2268-06	MW-2-20250605-A	WATER	Tetracyclo[3.3.1.0(2,8).0(4,6)]-no	*	130.000	J	0		0	ug/L
Q2268-06	MW-2-20250605-A	WATER	1-Methylnaphthalene	*	21.300	J	0.69		5.2	ug/L
Total Tics :					735.30					
Total Concentration:					890.30					
Client ID : MW-2-20250605-ADL										
Q2268-06DL	MW-2-20250605-ADL	WATER	Naphthalene		120.000	D	1		10.4	ug/L
Q2268-06DL	MW-2-20250605-ADL	WATER	2-Methylnaphthalene		44.000	D	1.2		10.4	ug/L
Total Svoc :					164.00					
Total Concentration:					164.00					
Client ID : MW-6-20250605										
Q2268-07	MW-6-20250605	WATER	Phenol		5.500		0.95		5.2	ug/L
Q2268-07	MW-6-20250605	WATER	2,4-Dimethylphenol		110.000	E	1.9		5.2	ug/L
Total Svoc :					115.50					
Q2268-07	MW-6-20250605	WATER	Benzene, 1,3-diethyl-	*	10.700	J	0		0	ug/L
Q2268-07	MW-6-20250605	WATER	Benzene, 1-ethenyl-4-methyl-	*	10.900	J	0		0	ug/L
Q2268-07	MW-6-20250605	WATER	Benzene, 1-ethyl-3-methyl-	*	47.600	J	0		0	ug/L
Q2268-07	MW-6-20250605	WATER	Benzene, 2-ethenyl-1,4-dimethyl-	*	14.800	J	0		0	ug/L
Q2268-07	MW-6-20250605	WATER	Benzene, 2-ethyl-1,4-dimethyl-	*	21.600	J	0		0	ug/L
Q2268-07	MW-6-20250605	WATER	Benzenemethanol, 4-methyl-	*	11.000	J	0		0	ug/L
Q2268-07	MW-6-20250605	WATER	Benzoic acid, 2,5-dimethyl-	*	14.300	J	0		0	ug/L

Hit Summary Sheet SW-846

SDG No.: Q2268
Client: PARSONS Engineering of New York, Inc.

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Q2268-07	MW-6-20250605	WATER	Benzoic acid, 2,6-dimethyl-	*	27.400	J 0	0	ug/L
Q2268-07	MW-6-20250605	WATER	Benzoic acid, 3,4-dimethyl-	*	18.800	J 0	0	ug/L
Q2268-07	MW-6-20250605	WATER	Benzoic acid, 3-methyl-	*	37.200	J 0	0	ug/L
Q2268-07	MW-6-20250605	WATER	Benzoic acid, 4-methyl-	*	23.000	J 0	0	ug/L
Q2268-07	MW-6-20250605	WATER	1H-Inden-5-ol, 2,3-dihydro-	*	80.000	J 0	0	ug/L
Q2268-07	MW-6-20250605	WATER	1H-Indene-4-carboxaldehyde, 2,3-	*	11.900	J 0	0	ug/L
Q2268-07	MW-6-20250605	WATER	1-Methylindan-2-one	*	10.400	J 0	0	ug/L
Q2268-07	MW-6-20250605	WATER	Phenol, 2-ethyl-4-methyl-	*	11.900	J 0	0	ug/L
Q2268-07	MW-6-20250605	WATER	Phenol, 3,4,5-trimethyl-	*	25.200	J 0	0	ug/L
Q2268-07	MW-6-20250605	WATER	unknown11.139	*	23.900	J 0	0	ug/L
Q2268-07	MW-6-20250605	WATER	unknown12.875	*	13.600	J 0	0	ug/L
Q2268-07	MW-6-20250605	WATER	unknown3.934	*	11.900	J 0	0	ug/L
Total Tics :				426.10				
Total Concentration:				541.60				

Client ID : MW-6-20250605DL

Q2268-07DL	MW-6-20250605DL	WATER	Phenol	6.500	JD 1.9	10.4	ug/L
Q2268-07DL	MW-6-20250605DL	WATER	2,4-Dimethylphenol	130.000	D 3.9	10.4	ug/L
Total Svoc :				136.50			
Total Concentration:				136.50			

Client ID : MW-3-20250605

Q2268-08	MW-3-20250605	WATER	2,4-Dimethylphenol	140.000	E 1.9	5.2	ug/L
Total Svoc :				140.00			
Q2268-08	MW-3-20250605	WATER	1H-Inden-1-one, 2,3-dihydro-	*	49.600	J 0	ug/L
Q2268-08	MW-3-20250605	WATER	Benzene, 1,2,3-trimethyl-	*	100.000	J 0	ug/L
Q2268-08	MW-3-20250605	WATER	Benzene, 1,2,4,5-tetramethyl-	*	16.000	J 0	ug/L
Q2268-08	MW-3-20250605	WATER	Benzene, 1,3-diethyl-	*	22.200	J 0	ug/L
Q2268-08	MW-3-20250605	WATER	Benzene, 1,3-dimethyl-	*	260.000	J 0	ug/L
Q2268-08	MW-3-20250605	WATER	Benzene, 1-ethenyl-4-ethyl-	*	30.200	J 0	ug/L
Q2268-08	MW-3-20250605	WATER	Benzene, 1-ethyl-4-methyl-	*	130.000	J 0	ug/L
Q2268-08	MW-3-20250605	WATER	Benzene, 2-ethyl-1,4-dimethyl-	*	39.000	J 0	ug/L
Q2268-08	MW-3-20250605	WATER	Benzene, 2-propenyl-	*	43.700	J 0	ug/L
Q2268-08	MW-3-20250605	WATER	Benzoic acid, 2,3-dimethyl-	*	27.400	J 0	ug/L
Q2268-08	MW-3-20250605	WATER	Ethanone, 1-(4-ethylphenyl)-	*	22.600	J 0	ug/L
Q2268-08	MW-3-20250605	WATER	o-Cymene	*	17.100	J 0	ug/L
Q2268-08	MW-3-20250605	WATER	Phenol, 2,6-dimethyl-	*	23.400	J 0	ug/L
Q2268-08	MW-3-20250605	WATER	Phenol, 2-ethyl-6-methyl-	*	23.300	J 0	ug/L
Q2268-08	MW-3-20250605	WATER	Tetracyclo[3.3.1.0(2,8).0(4,6)]-no	*	68.300	J 0	ug/L
Q2268-08	MW-3-20250605	WATER	unknown8.439	*	100.000	J 0	ug/L
Q2268-08	MW-3-20250605	WATER	unknown8.698	*	16.300	J 0	ug/L
Total Tics :				989.10			

Hit Summary Sheet
SW-846

SDG No.: Q2268
Client: PARSONS Engineering of New York, Inc.

Sample ID	Client ID		Parameter	Concentration	C	MDL		RDL	Units
			Total Concentration:	1,129.10					
Client ID :	MW-3-20250605DL								
Q2268-08DL	MW-3-20250605DL	WATER	2,4-Dimethylphenol	160.000	D	3.9		10.4	ug/L
			Total Svoc :	160.00					
			Total Concentration:	160.00					
Client ID :	FB-20250605								
Q2268-10	FB-20250605	WATER	1-Propanol, 2-(2-hydroxypropoxy) *	8.400	J	0		0	ug/L
Q2268-10	FB-20250605	WATER	2,4,7,9-Tetramethyl-5-decyn-4,7-c *	3.400	J	0		0	ug/L
Q2268-10	FB-20250605	WATER	2-Pentanone, 4-hydroxy-4-methyl *	9.100	AB	0		0	ug/L
Q2268-10	FB-20250605	WATER	2-Propanol, 1-[1-methyl-2-(2-prop *	5.600	J	0		0	ug/L
Q2268-10	FB-20250605	WATER	unknown17.580 *	8.600	J	0		0	ug/L
			Total Tics :	35.10					
			Total Concentration:	35.10					



QC SUMMARY

Surrogate Summary

SW-846

SDG No.: Q2268

Client: PARSONS Engineering of New York, Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB168376BL	PB168376BL	2-Fluorophenol	150	128	85		23	138
		Phenol-d6	150	127	85		10	134
		Nitrobenzene-d5	100	78.1	78		67	132
		2-Fluorobiphenyl	100	76.4	76		52	132
		2,4,6-Tribromophenol	150	132	88		44	137
		Terphenyl-d14	100	71.4	71		42	152
PB168376BS	PB168376BS	2-Fluorophenol	150	118	79		23	138
		Phenol-d6	150	119	80		10	134
		Nitrobenzene-d5	100	73.1	73		67	132
		2-Fluorobiphenyl	100	73.1	73		52	132
		2,4,6-Tribromophenol	150	123	82		44	137
		Terphenyl-d14	100	82.5	83		42	152
Q2268-03	MW-2-20250605	2-Fluorophenol	150	56.5	38		23	138
		Phenol-d6	150	52.6	35		10	134
		Nitrobenzene-d5	100	81.6	82		67	132
		2-Fluorobiphenyl	100	81.7	82		52	132
		2,4,6-Tribromophenol	150	121	81		44	137
		Terphenyl-d14	100	60.7	61		42	152
Q2268-03DL	MW-2-20250605DL	2-Fluorophenol	150	65.1	43		23	138
		Phenol-d6	150	56.7	38		10	134
		Nitrobenzene-d5	100	89.4	89		67	132
		2-Fluorobiphenyl	100	93.6	94		52	132
		2,4,6-Tribromophenol	150	131	87		44	137
		Terphenyl-d14	100	67.9	68		42	152
Q2268-04MS	MW-2-20250605MS	2-Fluorophenol	150	60.0	40		23	138
		Phenol-d6	150	45.1	30		10	134
		Nitrobenzene-d5	100	82.4	82		67	132
		2-Fluorobiphenyl	100	85.2	85		52	132
		2,4,6-Tribromophenol	150	123	82		44	137
		Terphenyl-d14	100	60.1	60		42	152
Q2268-05MSD	MW-2-20250605MSD	2-Fluorophenol	150	55.9	37		23	138
		Phenol-d6	150	42.3	28		10	134
		Nitrobenzene-d5	100	79.3	79		67	132
		2-Fluorobiphenyl	100	81.5	82		52	132
		2,4,6-Tribromophenol	150	120	80		44	137
		Terphenyl-d14	100	59.3	59		42	152
Q2268-06	MW-2-20250605-A	2-Fluorophenol	150	62.1	41		23	138
		Phenol-d6	150	45.9	31		10	134
		Nitrobenzene-d5	100	82.0	82		67	132
		2-Fluorobiphenyl	100	84.3	84		52	132
		2,4,6-Tribromophenol	150	123	82		44	137
		Terphenyl-d14	100	58.7	59		42	152
Q2268-06DL	MW-2-20250605-ADL	2-Fluorophenol	150	73.6	49		23	138
		Phenol-d6	150	55.0	37		10	134
		Nitrobenzene-d5	100	91.1	91		67	132
		2-Fluorobiphenyl	100	92.6	93		52	132
		2,4,6-Tribromophenol	150	144	96		44	137
		Terphenyl-d14	100	88.9	89		42	152
Q2268-07	MW-6-20250605	2-Fluorophenol	150	62.0	41		23	138
		Phenol-d6	150	43.8	29		10	134
		Nitrobenzene-d5	100	85.1	85		67	132

Surrogate Summary

SW-846

SDG No.: Q2268

Client: PARSONS Engineering of New York, Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
Q2268-07	MW-6-20250605	2-Fluorobiphenyl	100	83.6	84		52	132
		2,4,6-Tribromophenol	150	121	81		44	137
		Terphenyl-d14	100	56.2	56		42	152
Q2268-07DL	MW-6-20250605DL	2-Fluorophenol	150	70.1	47		23	138
		Phenol-d6	150	51.0	34		10	134
		Nitrobenzene-d5	100	90.7	91		67	132
		2-Fluorobiphenyl	100	94.7	95		52	132
		2,4,6-Tribromophenol	150	126	84		44	137
		Terphenyl-d14	100	70.1	70		42	152
Q2268-08	MW-3-20250605	2-Fluorophenol	150	47.4	32		23	138
		Phenol-d6	150	35.0	23		10	134
		Nitrobenzene-d5	100	79.4	79		67	132
		2-Fluorobiphenyl	100	82.2	82		52	132
		2,4,6-Tribromophenol	150	118	79		44	137
		Terphenyl-d14	100	53.2	53		42	152
Q2268-08DL	MW-3-20250605DL	2-Fluorophenol	150	55.8	37		23	138
		Phenol-d6	150	39.2	26		10	134
		Nitrobenzene-d5	100	86.4	86		67	132
		2-Fluorobiphenyl	100	93.6	94		52	132
		2,4,6-Tribromophenol	150	127	84		44	137
		Terphenyl-d14	100	67.3	67		42	152
Q2268-10	FB-20250605	2-Fluorophenol	150	56.0	37		23	138
		Phenol-d6	150	32.8	22		10	134
		Nitrobenzene-d5	100	82.9	83		67	132
		2-Fluorobiphenyl	100	85.5	86		52	132
		2,4,6-Tribromophenol	150	118	79		44	137
		Terphenyl-d14	100	66.6	67		42	152

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2268

Client: PARSONS Engineering of New York, Inc.

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	Q2268-04MS	Client Sample ID:	MW-2-20250605MS					DataFile:	BF142735.D		
Benzaldehyde	52.1	0	50.8	ug/L	98				10	137	
Phenol	52.1	0	19.2	ug/L	37				10	130	
bis(2-Chloroethyl)ether	52.1	0	46.6	ug/L	89				29	141	
2-Chlorophenol	52.1	0	40.6	ug/L	78				23	127	
2-Methylphenol	52.1	0	34.5	ug/L	66				60	131	
2,2-oxybis(1-Chloropropane)	52.1	0	46.1	ug/L	88				36	141	
Acetophenone	52.1	0	76.2	ug/L	146				31	164	
3+4-Methylphenols	52.1	0	30.8	ug/L	59				54	136	
N-Nitroso-di-n-propylamine	52.1	0	46.1	ug/L	88				36	147	
Hexachloroethane	52.1	0	110	ug/L	211	*			19	146	
Nitrobenzene	52.1	0	53.6	ug/L	103				62	112	
Isophorone	52.1	0	47.1	ug/L	90				39	146	
2-Nitrophenol	52.1	0	47.9	ug/L	92				30	148	
2,4-Dimethylphenol	52.1	4.20	45.1	ug/L	79				17	143	
bis(2-Chloroethoxy)methane	52.1	0	47.8	ug/L	92				39	143	
2,4-Dichlorophenol	52.1	0	44.7	ug/L	86				22	146	
Naphthalene	52.1	130	160	ug/L	58				17	157	
4-Chloroaniline	52.1	0	15.1	ug/L	29				10	95	
Hexachlorobutadiene	52.1	0	43.5	ug/L	83				52	125	
Caprolactam	52.1	0	10.3	ug/L	20				10	130	
4-Chloro-3-methylphenol	52.1	0	39.0	ug/L	75				17	148	
2-Methylnaphthalene	52.1	46.9	83.6	ug/L	70				38	146	
Hexachlorocyclopentadiene	100	0	88.1	ug/L	88				20	153	
2,4,6-Trichlorophenol	52.1	0	48.7	ug/L	93				78	112	
2,4,5-Trichlorophenol	52.1	0	48.2	ug/L	93				71	111	
1,1-Biphenyl	52.1	0	52.1	ug/L	100				38	154	
2-Chloronaphthalene	52.1	0	51.3	ug/L	98				41	145	
2-Nitroaniline	52.1	0	49.6	ug/L	95				39	151	
Dimethylphthalate	52.1	0	49.2	ug/L	94				42	147	
Acenaphthylene	52.1	0	49.7	ug/L	95				40	141	
2,6-Dinitrotoluene	52.1	0	49.2	ug/L	94				43	148	
3-Nitroaniline	52.1	0	22.2	ug/L	43				10	111	
Acenaphthene	52.1	0	53.5	ug/L	103				37	146	
2,4-Dinitrophenol	100	0	88.8	ug/L	89				14	167	
4-Nitrophenol	100	0	41.2	ug/L	41				10	130	
Dibenzofuran	52.1	0	50.4	ug/L	97				41	145	
2,4-Dinitrotoluene	52.1	0	48.7	ug/L	93				74	137	
Diethylphthalate	52.1	0	49.9	ug/L	96				41	148	
4-Chlorophenyl-phenylether	52.1	0	48.1	ug/L	92				38	149	
Fluorene	52.1	0	49.5	ug/L	95				39	144	
4-Nitroaniline	52.1	0	42.7	ug/L	82				27	138	
4,6-Dinitro-2-methylphenol	52.1	0	46.0	ug/L	88				32	175	
N-Nitrosodiphenylamine	52.1	0	50.8	ug/L	98				40	150	
4-Bromophenyl-phenylether	52.1	0	52.1	ug/L	100				42	151	
Hexachlorobenzene	52.1	0	51.6	ug/L	99				72	115	
Atrazine	52.1	0	55.7	ug/L	107				20	162	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2268

Client: PARSONS Engineering of New York, Inc.

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Pentachlorophenol	100	0	110	ug/L	110				52	162	
Phenanthrene	52.1	0	53.1	ug/L	102				40	147	
Anthracene	52.1	0	51.7	ug/L	99				41	146	
Carbazole	52.1	2.60	55.6	ug/L	102				37	154	
Di-n-butylphthalate	52.1	0	63.0	ug/L	121				40	151	
Fluoranthene	52.1	0	57.6	ug/L	111				42	146	
Pyrene	52.1	0	36.0	ug/L	69				41	149	
Butylbenzylphthalate	52.1	0	57.1	ug/L	110				39	155	
3,3-Dichlorobenzidine	52.1	0	26.3	ug/L	50				10	114	
Benzo(a)anthracene	52.1	0	50.7	ug/L	97				41	147	
Chrysene	52.1	0	51.0	ug/L	98				44	144	
bis(2-Ethylhexyl)phthalate	52.1	0	55.5	ug/L	107				33	160	
Di-n-octyl phthalate	52.1	0	51.4	ug/L	99				36	158	
Benzo(b)fluoranthene	52.1	0	55.1	ug/L	106				40	150	
Benzo(k)fluoranthene	52.1	0	47.1	ug/L	90				40	147	
Benzo(a)pyrene	52.1	0	51.5	ug/L	99				42	147	
Indeno(1,2,3-cd)pyrene	52.1	0	47.1	ug/L	90				30	166	
Dibenz(a,h)anthracene	52.1	0	47.3	ug/L	91				23	172	
Benzo(g,h,i)perylene	52.1	0	45.7	ug/L	88				27	167	
1,2,4,5-Tetrachlorobenzene	52.1	0	51.9	ug/L	100				89	102	
1,4-Dioxane	52.1	0	24.8	ug/L	48				38	130	
2,3,4,6-Tetrachlorophenol	52.1	0	46.2	ug/L	89	*			91	111	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2268

Client: PARSONS Engineering of New York, Inc.

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	Q2268-05MSD	Client Sample ID:	MW-2-20250605MSD					DataFile:	BF142736.D		
Benzaldehyde	52.1	0	47.0	ug/L	90		9		10	137	20
Phenol	52.1	0	18.0	ug/L	35		6		10	130	20
bis(2-Chloroethyl)ether	52.1	0	43.5	ug/L	83		7		29	141	20
2-Chlorophenol	52.1	0	38.1	ug/L	73		7		23	127	20
2-Methylphenol	52.1	0	33.0	ug/L	63		5		60	131	20
2,2-oxybis(1-Chloropropane)	52.1	0	42.7	ug/L	82		7		36	141	20
Acetophenone	52.1	0	72.7	ug/L	140		4		31	164	20
3+4-Methylphenols	52.1	0	29.0	ug/L	56		5		54	136	20
N-Nitroso-di-n-propylamine	52.1	0	42.8	ug/L	82		7		36	147	20
Hexachloroethane	52.1	0	100	ug/L	192	*	9		19	146	20
Nitrobenzene	52.1	0	51.2	ug/L	98		5		62	112	20
Isophorone	52.1	0	45.3	ug/L	87		3		39	146	20
2-Nitrophenol	52.1	0	46.6	ug/L	89		3		30	148	20
2,4-Dimethylphenol	52.1	4.20	45.3	ug/L	79		0		17	143	20
bis(2-Chloroethoxy)methane	52.1	0	45.7	ug/L	88		4		39	143	20
2,4-Dichlorophenol	52.1	0	43.3	ug/L	83		4		22	146	20
Naphthalene	52.1	130	150	ug/L	38		42	*	17	157	20
4-Chloroaniline	52.1	0	18.3	ug/L	35		19		10	95	20
Hexachlorobutadiene	52.1	0	41.9	ug/L	80		4		52	125	20
Caprolactam	52.1	0	10.0	ug/L	19		5		10	130	20
4-Chloro-3-methylphenol	52.1	0	38.0	ug/L	73		3		17	148	20
2-Methylnaphthalene	52.1	46.9	80.6	ug/L	65		7		38	146	20
Hexachlorocyclopentadiene	100	0	85.2	ug/L	85		3		20	153	20
2,4,6-Trichlorophenol	52.1	0	48.7	ug/L	93		0		78	112	20
2,4,5-Trichlorophenol	52.1	0	45.7	ug/L	88		6		71	111	20
1,1-Biphenyl	52.1	0	49.6	ug/L	95		5		38	154	20
2-Chloronaphthalene	52.1	0	49.2	ug/L	94		4		41	145	20
2-Nitroaniline	52.1	0	47.3	ug/L	91		4		39	151	20
Dimethylphthalate	52.1	0	47.9	ug/L	92		2		42	147	20
Acenaphthylene	52.1	0	47.9	ug/L	92		3		40	141	20
2,6-Dinitrotoluene	52.1	0	46.9	ug/L	90		4		43	148	20
3-Nitroaniline	52.1	0	22.4	ug/L	43		0		10	111	20
Acenaphthene	52.1	0	51.6	ug/L	99		4		37	146	20
2,4-Dinitrophenol	100	0	84.3	ug/L	84		6		14	167	20
4-Nitrophenol	100	0	38.0	ug/L	38		8		10	130	20
Dibenzofuran	52.1	0	48.1	ug/L	92		5		41	145	20
2,4-Dinitrotoluene	52.1	0	47.4	ug/L	91		2		74	137	20
Diethylphthalate	52.1	0	48.5	ug/L	93		3		41	148	20
4-Chlorophenyl-phenylether	52.1	0	46.9	ug/L	90		2		38	149	20
Fluorene	52.1	0	47.5	ug/L	91		4		39	144	20
4-Nitroaniline	52.1	0	40.1	ug/L	77		6		27	138	20
4,6-Dinitro-2-methylphenol	52.1	0	45.4	ug/L	87		1		32	175	20
N-Nitrosodiphenylamine	52.1	0	48.7	ug/L	93		5		40	150	20
4-Bromophenyl-phenylether	52.1	0	48.3	ug/L	93		7		42	151	20
Hexachlorobenzene	52.1	0	48.2	ug/L	93		6		72	115	20
Atrazine	52.1	0	53.5	ug/L	103		4		20	162	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2268

Client: PARSONS Engineering of New York, Inc.

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Pentachlorophenol	100	0	100	ug/L	100		10		52	162	20
Phenanthrene	52.1	0	50.3	ug/L	97		5		40	147	20
Anthracene	52.1	0	48.2	ug/L	93		6		41	146	20
Carbazole	52.1	2.60	52.1	ug/L	95		7		37	154	20
Di-n-butylphthalate	52.1	0	59.2	ug/L	114		6		40	151	20
Fluoranthene	52.1	0	53.0	ug/L	102		8		42	146	20
Pyrene	52.1	0	36.0	ug/L	69		0		41	149	20
Butylbenzylphthalate	52.1	0	55.9	ug/L	107		3		39	155	20
3,3-Dichlorobenzidine	52.1	0	26.9	ug/L	52		4		10	114	20
Benzo(a)anthracene	52.1	0	48.2	ug/L	93		4		41	147	20
Chrysene	52.1	0	49.0	ug/L	94		4		44	144	20
bis(2-Ethylhexyl)phthalate	52.1	0	54.5	ug/L	105		2		33	160	20
Di-n-octyl phthalate	52.1	0	49.8	ug/L	96		3		36	158	20
Benzo(b)fluoranthene	52.1	0	52.4	ug/L	101		5		40	150	20
Benzo(k)fluoranthene	52.1	0	44.5	ug/L	85		6		40	147	20
Benzo(a)pyrene	52.1	0	48.4	ug/L	93		6		42	147	20
Indeno(1,2,3-cd)pyrene	52.1	0	44.2	ug/L	85		6		30	166	20
Dibenz(a,h)anthracene	52.1	0	44.7	ug/L	86		6		23	172	20
Benzo(g,h,i)perylene	52.1	0	42.3	ug/L	81		8		27	167	20
1,2,4,5-Tetrachlorobenzene	52.1	0	49.5	ug/L	95		5		89	102	20
1,4-Dioxane	52.1	0	22.5	ug/L	43		11		38	130	20
2,3,4,6-Tetrachlorophenol	52.1	0	44.1	ug/L	85	*	5		91	111	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2268

Client: PARSONS Engineering of New York, Inc.

Analytical Method: 8270E

DataFile: BF142725.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB168376BS	Benzaldehyde	50	30.9	ug/L	62				10	162	
	Phenol	50	41.6	ug/L	83				66	118	
	bis(2-Chloroethyl)ether	50	42.6	ug/L	85				62	103	
	2-Chlorophenol	50	42.7	ug/L	85				70	117	
	2-Methylphenol	50	43.3	ug/L	87				69	109	
	2,2-oxybis(1-Chloropropane)	50	40.6	ug/L	81				65	100	
	Acetophenone	50	41.8	ug/L	84				60	104	
	3+4-Methylphenols	50	42.6	ug/L	85				67	106	
	N-Nitroso-di-n-propylamine	50	41.6	ug/L	83				57	107	
	Hexachloroethane	50	40.6	ug/L	81				76	118	
	Nitrobenzene	50	42.2	ug/L	84				58	106	
	Isophorone	50	41.8	ug/L	84				61	102	
	2-Nitrophenol	50	43.1	ug/L	86				70	115	
	2,4-Dimethylphenol	50	42.9	ug/L	86				42	142	
	bis(2-Chloroethoxy)methane	50	41.6	ug/L	83				58	109	
	2,4-Dichlorophenol	50	43.1	ug/L	86				66	115	
	Naphthalene	50	41.5	ug/L	83				64	107	
	4-Chloroaniline	50	21.2	ug/L	42				10	85	
	Hexachlorobutadiene	50	41.2	ug/L	82				69	101	
	Caprolactam	50	47.7	ug/L	95				58	128	
	4-Chloro-3-methylphenol	50	43.1	ug/L	86				65	114	
	2-Methylnaphthalene	50	41.4	ug/L	83				64	107	
	Hexachlorocyclopentadiene	100	87.7	ug/L	88				36	160	
	2,4,6-Trichlorophenol	50	44.3	ug/L	89				61	110	
	2,4,5-Trichlorophenol	50	41.7	ug/L	83				70	106	
	1,1-Biphenyl	50	41.5	ug/L	83				72	98	
	2-Chloronaphthalene	50	42.1	ug/L	84				59	106	
	2-Nitroaniline	50	43.4	ug/L	87				73	114	
	Dimethylphthalate	50	43.8	ug/L	88				64	103	
	Acenaphthylene	50	42.2	ug/L	84				79	103	
	2,6-Dinitrotoluene	50	43.1	ug/L	86				64	110	
	3-Nitroaniline	50	28.3	ug/L	57				28	100	
	Acenaphthene	50	47.5	ug/L	95				59	113	
	2,4-Dinitrophenol	100	100	ug/L	100				36	166	
	4-Nitrophenol	100	95.9	ug/L	96				45	147	
	Dibenzofuran	50	41.8	ug/L	84				65	106	
	2,4-Dinitrotoluene	50	45.9	ug/L	92				60	115	
	Diethylphthalate	50	44.6	ug/L	89				63	105	
	4-Chlorophenyl-phenylether	50	41.9	ug/L	84				61	104	
	Fluorene	50	41.9	ug/L	84				64	107	
	4-Nitroaniline	50	45.6	ug/L	91				55	125	
	4,6-Dinitro-2-methylphenol	50	46.8	ug/L	94				62	132	
	N-Nitrosodiphenylamine	50	42.4	ug/L	85				61	109	
	4-Bromophenyl-phenylether	50	43.1	ug/L	86				73	103	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2268

Client: PARSONS Engineering of New York, Inc.

Analytical Method: 8270E

DataFile: BF142725.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB168376BS	Hexachlorobenzene	50	42.9	ug/L	86				73	106	
	Atrazine	50	49.1	ug/L	98				76	120	
	Pentachlorophenol	100	90.0	ug/L	90				47	114	
	Phenanthrene	50	42.5	ug/L	85				62	109	
	Anthracene	50	43.0	ug/L	86				65	110	
	Carbazole	50	44.5	ug/L	89				62	106	
	Di-n-butylphthalate	50	47.6	ug/L	95				64	106	
	Fluoranthene	50	44.3	ug/L	89				64	110	
	Pyrene	50	46.6	ug/L	93				71	103	
	Butylbenzylphthalate	50	49.7	ug/L	99				61	105	
	3,3-Dichlorobenzidine	50	23.3	ug/L	47				43	108	
	Benzo(a)anthracene	50	46.7	ug/L	93				62	107	
	Chrysene	50	42.7	ug/L	85				61	108	
	bis(2-Ethylhexyl)phthalate	50	44.3	ug/L	89				59	110	
	Di-n-octyl phthalate	50	42.2	ug/L	84				52	139	
	Benzo(b)fluoranthene	50	46.0	ug/L	92				77	113	
	Benzo(k)fluoranthene	50	42.2	ug/L	84				77	105	
	Benzo(a)pyrene	50	45.0	ug/L	90				72	131	
	Indeno(1,2,3-cd)pyrene	50	42.9	ug/L	86				72	105	
	Dibenz(a,h)anthracene	50	43.2	ug/L	86				78	115	
	Benzo(g,h,i)perylene	50	42.2	ug/L	84				75	118	
	1,2,4,5-Tetrachlorobenzene	50	41.8	ug/L	84				72	101	
	1,4-Dioxane	50	34.0	ug/L	68				38	125	
	2,3,4,6-Tetrachlorophenol	50	45.1	ug/L	90				63	116	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168376BL

Lab Name: CHEMTECH

Contract: PARS02

Lab Code: CHEM Case No.: Q2268

SAS No.: Q2268 SDG NO.: Q2268

Lab File ID: BF142724.D

Lab Sample ID: PB168376BL

Instrument ID: BNA_F

Date Extracted: 06/10/2025

Matrix: (soil/water) Water

Date Analyzed: 06/11/2025

Level: (low/med) LOW

Time Analyzed: 09:53

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB168376BS	PB168376BS	BF142725.D	06/11/2025
MW-2-20250605	Q2268-03	BF142734.D	06/11/2025
MW-2-20250605MS	Q2268-04MS	BF142735.D	06/11/2025
MW-2-20250605MSD	Q2268-05MSD	BF142736.D	06/11/2025
MW-2-20250605-A	Q2268-06	BF142737.D	06/11/2025
FB-20250605	Q2268-10	BF142733.D	06/11/2025
MW-6-20250605	Q2268-07	BF142738.D	06/11/2025
MW-3-20250605	Q2268-08	BF142739.D	06/11/2025

COMMENTS: _____



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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: PARS02Lab Code: CHEMSAS No.: Q2268SDG NO.: Q2268Lab File ID: BF142710.DDFTPP Injection Date: 06/10/2025Instrument ID: BNA_FDFTPP Injection Time: 15:42

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	31.1
68	Less than 2.0% of mass 69	0.5 (1.7) 1
69	Mass 69 relative abundance	28.7
70	Less than 2.0% of mass 69	0.1 (0.2) 1
127	10.0 - 80.0% of mass 198	39.5
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.9
275	10.0 - 60.0% of mass 198	24.8
365	Greater than 1% of mass 198	3.3
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	BF142712.D	06/10/2025	16:54
SSTDICC005	SSTDICC005	BF142713.D	06/10/2025	17:24
SSTDICC010	SSTDICC010	BF142714.D	06/10/2025	17:53
SSTDICC020	SSTDICC020	BF142715.D	06/10/2025	18:22
SSTDICCC040	SSTDICCC040	BF142716.D	06/10/2025	18:52
SSTDICC050	SSTDICC050	BF142717.D	06/10/2025	19:21
SSTDICC060	SSTDICC060	BF142718.D	06/10/2025	19:50
SSTDICC080	SSTDICC080	BF142719.D	06/10/2025	20:19



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: PARS02Lab Code: CHEMSAS No.: Q2268 SDG NO.: Q2268Lab File ID: BF142722.DDFTPP Injection Date: 06/11/2025Instrument ID: BNA_FDFTPP Injection Time: 08:56

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	32.5
68	Less than 2.0% of mass 69	0.6 (1.9) 1
69	Mass 69 relative abundance	29.7
70	Less than 2.0% of mass 69	0.1 (0.4) 1
127	10.0 - 80.0% of mass 198	41.8
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.8
275	10.0 - 60.0% of mass 198	24.4
365	Greater than 1% of mass 198	3.2
441	Present, but less than mass 443	15.4
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.6 (18.6) 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	BF142723.D	06/11/2025	09:24
PB168376BL	PB168376BL	BF142724.D	06/11/2025	09:53
PB168376BS	PB168376BS	BF142725.D	06/11/2025	10:22
FB-20250605	Q2268-10	BF142733.D	06/11/2025	14:21
MW-2-20250605	Q2268-03	BF142734.D	06/11/2025	14:50
MW-2-20250605MS	Q2268-04MS	BF142735.D	06/11/2025	15:20
MW-2-20250605MSD	Q2268-05MSD	BF142736.D	06/11/2025	15:50
MW-2-20250605-A	Q2268-06	BF142737.D	06/11/2025	16:19
MW-6-20250605	Q2268-07	BF142738.D	06/11/2025	16:49
MW-3-20250605	Q2268-08	BF142739.D	06/11/2025	17:19
MW-2-20250605DL	Q2268-03DL	BF142744.D	06/11/2025	19:48



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: PARS02Lab Code: CHEMSAS No.: Q2268 SDG NO.: Q2268Lab File ID: BF142747.DDFTPP Injection Date: 06/12/2025Instrument ID: BNA_FDFTPP Injection Time: 09:21

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	30.6
68	Less than 2.0% of mass 69	0.5 (1.8) 1
69	Mass 69 relative abundance	29.3
70	Less than 2.0% of mass 69	0.1 (0.2) 1
127	10.0 - 80.0% of mass 198	41.4
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.7
275	10.0 - 60.0% of mass 198	24.2
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	15.4
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.5 (19.5) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF142748.D	06/12/2025	09:50
MW-2-20250605-ADL	Q2268-06DL	BF142753.D	06/12/2025	13:00
MW-6-20250605DL	Q2268-07DL	BF142754.D	06/12/2025	13:29
MW-3-20250605DL	Q2268-08DL	BF142755.D	06/12/2025	13:59

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2268 SAS No.: Q2268 SDG NO.: Q2268

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/11/2025

Lab File ID: BF142723.D Time Analyzed: 09:24

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	78219	6.892	306828	8.18	172169	9.94
UPPER LIMIT	156438	7.392	613656	8.681	344338	10.439
LOWER LIMIT	39109.5	6.392	153414	7.681	86084.5	9.439
EPA SAMPLE NO.						
01 PB168376BL	75423	6.89	293240	8.18	164071	9.93
02 PB168376BS	83835	6.89	326703	8.18	180412	9.94
03 MW-2-20250605	57618	6.89	209614	8.18	108382	9.93
04 MW-2-20250605DL	55149	6.89	198571	8.18	101254	9.93
05 MW-2-20250605MS	54183	6.89	194768	8.18	96533	9.93
06 MW-2-20250605MSD	58463	6.89	206678	8.18	103506	9.93
07 MW-2-20250605-A	56892	6.89	199628	8.18	99393	9.93
08 MW-6-20250605	51607	6.89	177791	8.18	91569	9.93
09 MW-3-20250605	52802	6.89	187845	8.18	93296	9.93
10 FB-20250605	56877	6.89	208595	8.18	105257	9.93

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.: Q2268 SAS No.: Q2268 SDG NO.: Q2268

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/11/2025

Lab File ID: BF142723.D Time Analyzed: 09:24

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	291189	11.427	151467	14.068	144700	15.562
UPPER LIMIT	582378	11.927	302934	14.568	289400	16.062
LOWER LIMIT	145595	10.927	75733.5	13.568	72350	15.062
EPA SAMPLE NO.						
01 PB168376BL	310217	11.42	203839	14.07	148373	15.56
02 PB168376BS	308296	11.43	158833	14.07	161986	15.56
03 MW-2-20250605	166518	11.42	133428	14.06	157760	15.56
04 MW-2-20250605DL	157521	11.42	134877	14.06	150814	15.56
05 MW-2-20250605MS	149205	11.42	131264	14.07	157611	15.56
06 MW-2-20250605MSD	162996	11.42	132941	14.07	159622	15.56
07 MW-2-20250605-A	152945	11.42	136283	14.06	159449	15.56
08 MW-6-20250605	141283 *	11.42	134836	14.06	163138	15.56
09 MW-3-20250605	142687 *	11.42	135490	14.06	164328	15.56
10 FB-20250605	167256	11.42	135665	14.07	154126	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.: Q2268 SAS No.: Q2268 SDG NO.: Q2268

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/12/2025

Lab File ID: BF142748.D Time Analyzed: 09:50

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	70133	6.892	258971	8.18	130776	9.93
UPPER LIMIT	140266	7.392	517942	8.675	261552	10.433
LOWER LIMIT	35066.5	6.392	129486	7.675	65388	9.433
EPA SAMPLE NO.						
01 MW-2-20250605-ADL	66877	6.89	247965	8.18	135607	9.93
02 MW-6-20250605DL	64680	6.89	235685	8.18	121112	9.93
03 MW-3-20250605DL	65644	6.89	239333	8.18	121845	9.93

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.: Q2268 SAS No.: Q2268 SDG NO.: Q2268

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/12/2025

Lab File ID: BF142748.D Time Analyzed: 09:50

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	201441	11.422	120471	14.068	146263	15.562
UPPER LIMIT	402882	11.922	240942	14.568	292526	16.062
LOWER LIMIT	100721	10.922	60235.5	13.568	73131.5	15.062
EPA SAMPLE NO.						
01 MW-2-20250605-ADL	217678	11.42	118180	14.06	146576	15.56
02 MW-6-20250605DL	172881	11.42	110385	14.06	149783	15.56
03 MW-3-20250605DL	175442	11.42	109504	14.06	154313	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.



SAMPLE DATA

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	06/05/25
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	06/06/25
Client Sample ID:	MW-2-20250605	SDG No.:	Q2268
Lab Sample ID:	Q2268-03	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142734.D	1	06/10/25 08:10	06/11/25 14:50	PB168376

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	4.10	U	4.10	10.4	ug/L
108-95-2	Phenol	0.95	U	0.95	5.20	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.84	U	0.84	5.20	ug/L
95-57-8	2-Chlorophenol	0.60	U	0.60	5.20	ug/L
95-48-7	2-Methylphenol	1.20	U	1.20	5.20	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.30	U	1.30	5.20	ug/L
98-86-2	Acetophenone	0.77	U	0.77	5.20	ug/L
65794-96-9	3+4-Methylphenols	1.10	U	1.10	10.4	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.50	U	1.50	2.60	ug/L
67-72-1	Hexachloroethane	0.68	U	0.68	5.20	ug/L
98-95-3	Nitrobenzene	0.79	U	0.79	5.20	ug/L
78-59-1	Isophorone	0.78	U	0.78	5.20	ug/L
88-75-5	2-Nitrophenol	1.80	U	1.80	5.20	ug/L
105-67-9	2,4-Dimethylphenol	4.20	J	1.90	5.20	ug/L
111-91-1	bis(2-Chloroethoxy)methane	0.71	U	0.71	5.20	ug/L
120-83-2	2,4-Dichlorophenol	0.54	U	0.54	5.20	ug/L
91-20-3	Naphthalene	130	E	0.52	5.20	ug/L
106-47-8	4-Chloroaniline	0.88	U	0.88	5.20	ug/L
87-68-3	Hexachlorobutadiene	0.56	U	0.56	5.20	ug/L
105-60-2	Caprolactam	1.20	U	1.20	10.4	ug/L
59-50-7	4-Chloro-3-methylphenol	0.61	U	0.61	5.20	ug/L
91-57-6	2-Methylnaphthalene	46.9		0.58	5.20	ug/L
77-47-4	Hexachlorocyclopentadiene	3.80	U	3.80	10.4	ug/L
88-06-2	2,4,6-Trichlorophenol	0.53	U	0.53	5.20	ug/L
95-95-4	2,4,5-Trichlorophenol	0.65	U	0.65	5.20	ug/L
92-52-4	1,1-Biphenyl	0.55	U	0.55	5.20	ug/L
91-58-7	2-Chloronaphthalene	0.64	U	0.64	5.20	ug/L
88-74-4	2-Nitroaniline	1.30	U	1.30	5.20	ug/L
131-11-3	Dimethylphthalate	0.64	U	0.64	5.20	ug/L

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.		Date Collected:	06/05/25
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05		Date Received:	06/06/25
Client Sample ID:	MW-2-20250605		SDG No.:	Q2268
Lab Sample ID:	Q2268-03		Matrix:	Water
Analytical Method:	8270E		% Solid:	0
Sample Wt/Vol:	960	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOCMS Group1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142734.D	1	06/10/25 08:10	06/11/25 14:50	PB168376

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	0.78	U	0.78	5.20	ug/L
606-20-2	2,6-Dinitrotoluene	0.96	U	0.96	5.20	ug/L
99-09-2	3-Nitroaniline	1.10	U	1.10	5.20	ug/L
83-32-9	Acenaphthene	0.57	U	0.57	5.20	ug/L
51-28-5	2,4-Dinitrophenol	6.20	U	6.20	10.4	ug/L
100-02-7	4-Nitrophenol	2.50	U	2.50	10.4	ug/L
132-64-9	Dibenzofuran	0.64	U	0.64	5.20	ug/L
121-14-2	2,4-Dinitrotoluene	1.30	U	1.30	5.20	ug/L
84-66-2	Diethylphthalate	0.72	U	0.72	5.20	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.71	U	0.71	5.20	ug/L
86-73-7	Fluorene	0.66	U	0.66	5.20	ug/L
100-01-6	4-Nitroaniline	1.60	U	1.60	5.20	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.00	U	3.00	10.4	ug/L
86-30-6	n-Nitrosodiphenylamine	0.60	U	0.60	5.20	ug/L
101-55-3	4-Bromophenyl-phenylether	0.42	U	0.42	5.20	ug/L
118-74-1	Hexachlorobenzene	0.54	U	0.54	5.20	ug/L
1912-24-9	Atrazine	1.10	U	1.10	5.20	ug/L
87-86-5	Pentachlorophenol	1.60	U	1.60	10.4	ug/L
85-01-8	Phenanthrene	0.52	U	0.52	5.20	ug/L
120-12-7	Anthracene	0.64	U	0.64	5.20	ug/L
86-74-8	Carbazole	2.60	J	0.75	5.20	ug/L
84-74-2	Di-n-butylphthalate	1.30	U	1.30	5.20	ug/L
206-44-0	Fluoranthene	0.85	U	0.85	5.20	ug/L
129-00-0	Pyrene	0.52	U	0.52	5.20	ug/L
85-68-7	Butylbenzylphthalate	2.00	U	2.00	5.20	ug/L
91-94-1	3,3-Dichlorobenzidine	0.97	U	0.97	10.4	ug/L
56-55-3	Benzo(a)anthracene	0.47	U	0.47	5.20	ug/L
218-01-9	Chrysene	0.46	U	0.46	5.20	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.70	U	1.70	5.20	ug/L
117-84-0	Di-n-octyl phthalate	2.40	U	2.40	10.4	ug/L
205-99-2	Benzo(b)fluoranthene	0.51	U	0.51	5.20	ug/L

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	06/05/25
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	06/06/25
Client Sample ID:	MW-2-20250605	SDG No.:	Q2268
Lab Sample ID:	Q2268-03	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142734.D	1	06/10/25 08:10	06/11/25 14:50	PB168376

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	0.50	U	0.50	5.20	ug/L
50-32-8	Benzo(a)pyrene	0.57	U	0.57	5.20	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.61	U	0.61	5.20	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.70	U	0.70	5.20	ug/L
191-24-2	Benzo(g,h,i)perylene	0.72	U	0.72	5.20	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	0.54	U	0.54	5.20	ug/L
123-91-1	1,4-Dioxane	1.00	U	1.00	5.20	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.75	U	0.75	5.20	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	56.5		23 - 138	38%	SPK: 150
13127-88-3	Phenol-d6	52.6		10 - 134	35%	SPK: 150
4165-60-0	Nitrobenzene-d5	81.6		67 - 132	82%	SPK: 100
321-60-8	2-Fluorobiphenyl	81.7		52 - 132	82%	SPK: 100
118-79-6	2,4,6-Tribromophenol	121		44 - 137	81%	SPK: 150
1718-51-0	Terphenyl-d14	60.7		42 - 152	61%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	57600	6.893			
1146-65-2	Naphthalene-d8	210000	8.181			
15067-26-2	Acenaphthene-d10	108000	9.934			
1517-22-2	Phenanthrene-d10	167000	11.422			
1719-03-5	Chrysene-d12	133000	14.063			
1520-96-3	Perylene-d12	158000	15.563			
TENTATIVE IDENTIFIED COMPOUNDS						
010574-36-4	2-Hexene, 3-methyl-, (Z)-	14.6	J		2.57	ug/L
019037-72-0	Cyclopentene, 4,4-dimethyl-	9.00	J		3.68	ug/L
000473-91-6	Cyclopentene, 1,2,3-trimethyl-	11.8	J		4.66	ug/L
000108-38-3	Benzene, 1,3-dimethyl-	190	J		5.39	ug/L
000098-82-8	Benzene, (1-methylethyl)-	24.5	J		6.06	ug/L
144615-94-1	N-Isobutyl(phenyl)methanesulfonami	43.4	J		6.35	ug/L
000622-96-8	Benzene, 1-ethyl-4-methyl-	59.4	J		6.58	ug/L

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.		Date Collected:	06/05/25
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05		Date Received:	06/06/25
Client Sample ID:	MW-2-20250605		SDG No.:	Q2268
Lab Sample ID:	Q2268-03		Matrix:	Water
Analytical Method:	8270E		% Solid:	0
Sample Wt/Vol:	960	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOCMS Group1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142734.D	1	06/10/25 08:10	06/11/25 14:50	PB168376

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
000526-73-8	Benzene, 1,2,3-trimethyl-	170	J		6.72	ug/L
000620-14-4	Benzene, 1-ethyl-3-methyl-	79.4	J		6.95	ug/L
1000191-13-7	Tetracyclo[3.3.1.0(2,8).0(4,6)]-no	150	J		7.08	ug/L
000141-93-5	Benzene, 1,3-diethyl-	29.8	J		7.14	ug/L
000105-05-5	Benzene, 1,4-diethyl-	35.8	J		7.21	ug/L
001074-55-1	Benzene, 1-methyl-4-propyl-	18.6	J		7.29	ug/L
000933-98-2	Benzene, 1-ethyl-2,3-dimethyl-	22.5	J		7.36	ug/L
002039-89-6	Benzene, 2-ethenyl-1,4-dimethyl-	11.2	J		7.92	ug/L
90-12-0	1-Methylnaphthalene	26.0	J		8.99	ug/L
000611-15-4	Benzene, 1-ethenyl-2-methyl-	8.40	J		9.18	ug/L
065898-38-6	Indane-5-carboxylic acid	10.0	J		10.2	ug/L
000057-10-3	n-Hexadecanoic acid	9.30	J		11.9	ug/L
000112-79-8	9-Octadecenoic acid, (E)-	8.30	J		12.7	ug/L

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\BF061125\
 Data File : BF142734.D
 Acq On : 11 Jun 2025 14:50
 Operator : RC/JU
 Sample : Q2268-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-2-20250605

Quant Time: Jun 11 18:18:46 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 11 05:56:09 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

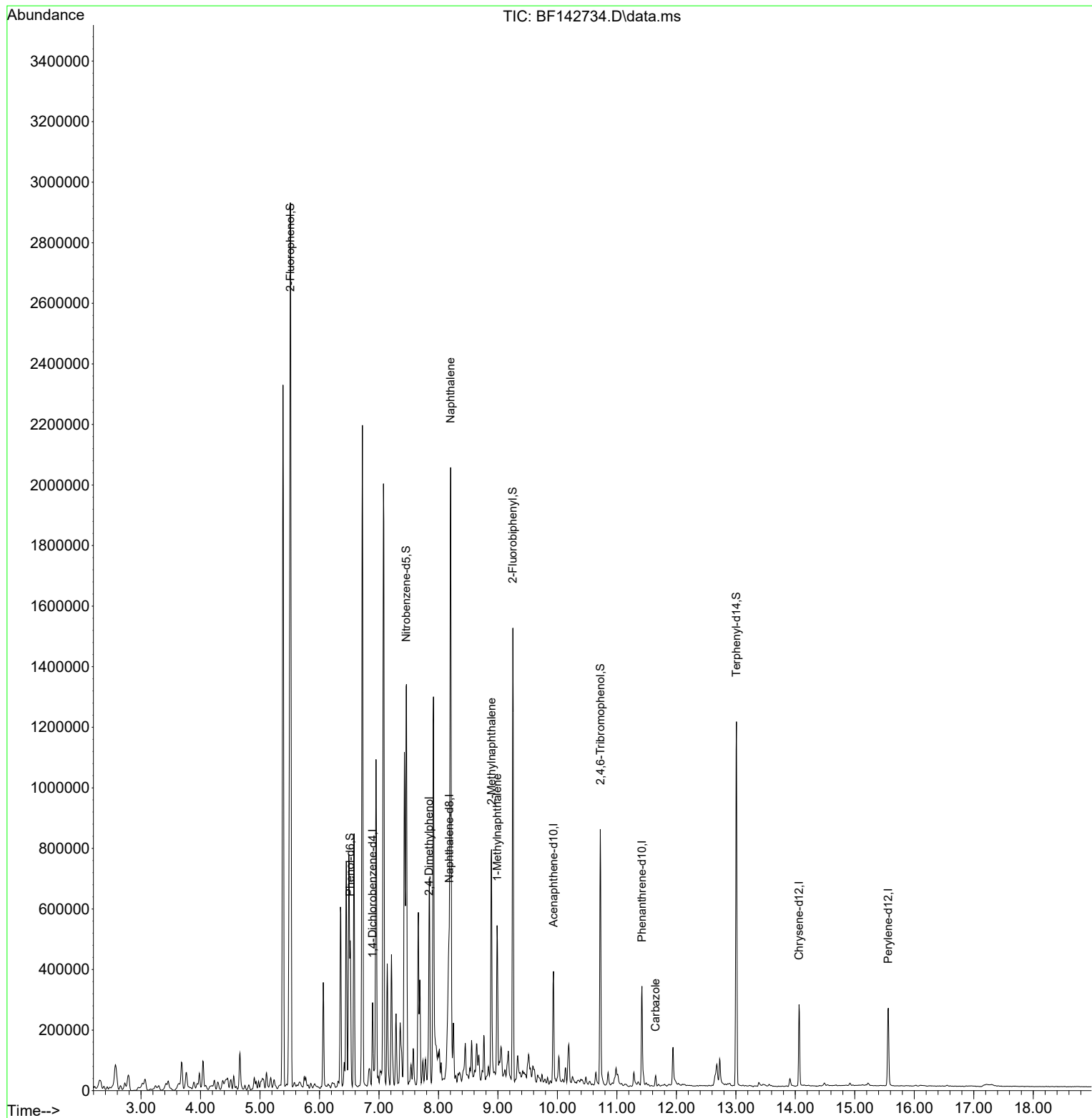
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	57618	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	209614	20.000	ng	0.00
39) Acenaphthene-d10	9.934	164	108382	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	166518	20.000	ng	0.00
76) Chrysene-d12	14.063	240	133428	20.000	ng	0.00
86) Perylene-d12	15.563	264	157760	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	191248	56.531	ng	0.00
7) Phenol-d6	6.516	99	209494	52.619	ng	0.00
23) Nitrobenzene-d5	7.457	82	312453	81.578	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	144075	121.290	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	666189	81.662	ng	0.00
79) Terphenyl-d14	13.010	244	589954	60.727	ng	0.00
Target Compounds						
						Qvalue
27) 2,4-Dimethylphenol	7.840	122	13026	4.033	ng	90
31) Naphthalene	8.204	128	1277553	123.236	ng	99
37) 2-Methylnaphthalene	8.892	142	295287	45.002	ng	99
38) 1-Methylnaphthalene	8.987	142	169596	24.950	ng	100
73) Carbazole	11.651	167	19635	2.541	ng	98

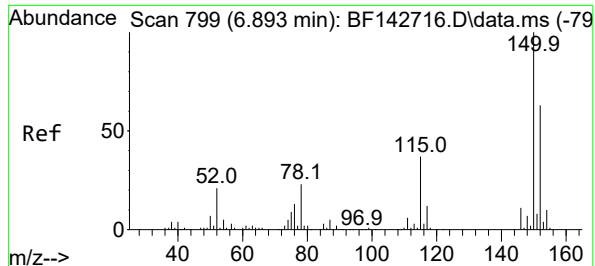
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142734.D
Acq On : 11 Jun 2025 14:50
Operator : RC/JU
Sample : Q2268-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-2-20250605

Quant Time: Jun 11 18:18:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 11 05:56:09 2025
Response via : Initial Calibration

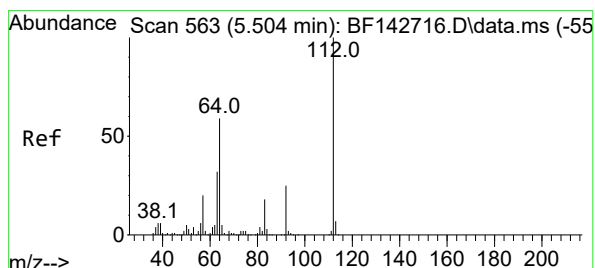
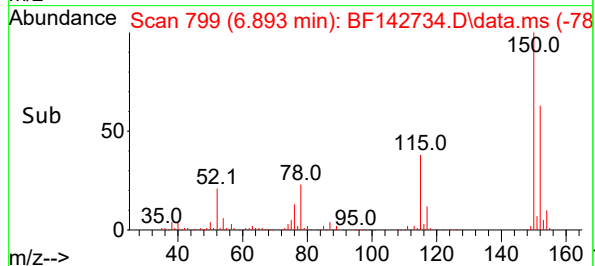
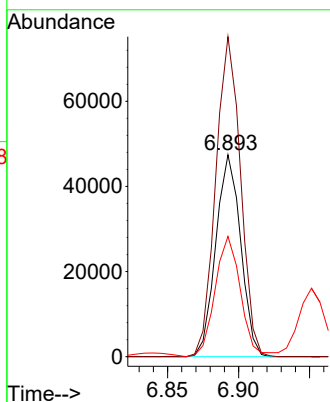
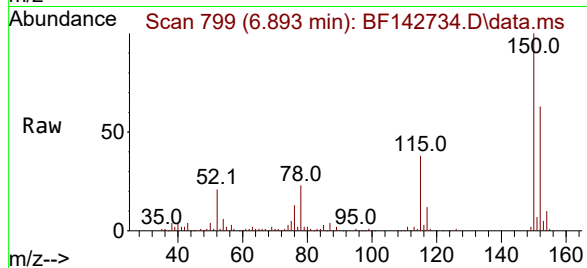




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 799
Delta R.T. -0.000 min
Lab File: BF142734.D
Acq: 11 Jun 2025 14:50

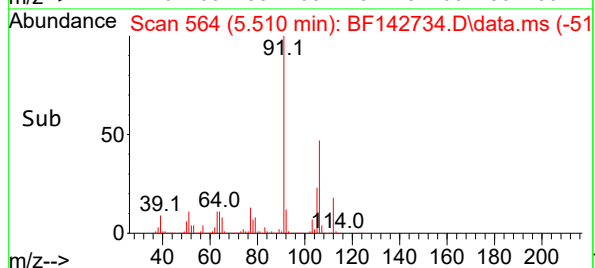
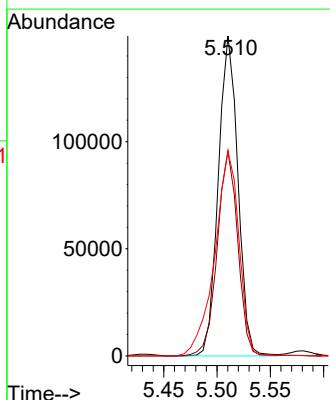
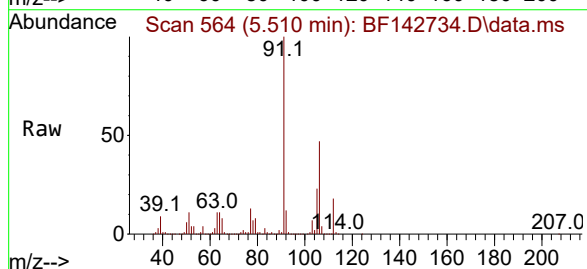
Instrument :
BNA_F
ClientSampleId :
MW-2-20250605

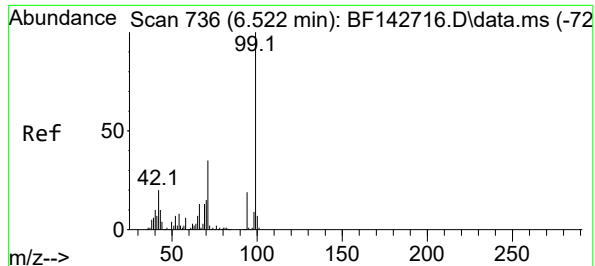
Tgt Ion:152 Resp: 57618
Ion Ratio Lower Upper
152 100
150 158.5 126.9 190.3
115 59.6 47.0 70.6



#5
2-Fluorophenol
Concen: 56.531 ng
RT: 5.510 min Scan# 564
Delta R.T. 0.006 min
Lab File: BF142734.D
Acq: 11 Jun 2025 14:50

Tgt Ion:112 Resp: 191248
Ion Ratio Lower Upper
112 100
64 64.1 47.4 71.2
63 64.0 25.4 38.0#

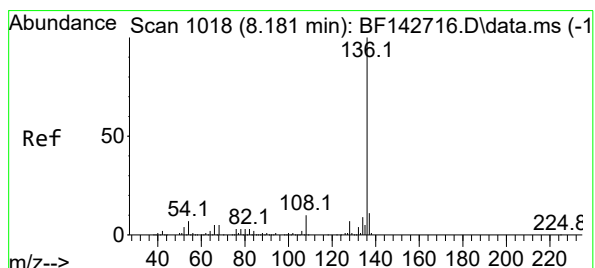
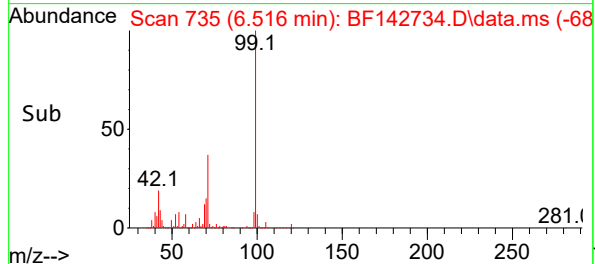
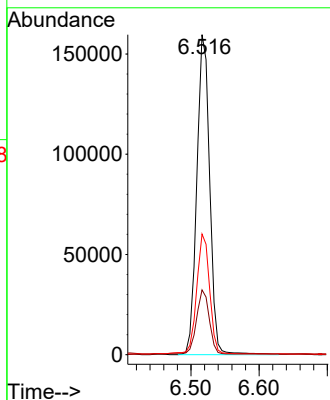
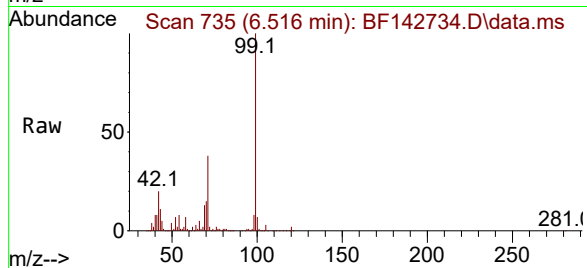




#7
Phenol-d6
Concen: 52.619 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142734.D
Acq: 11 Jun 2025 14:50

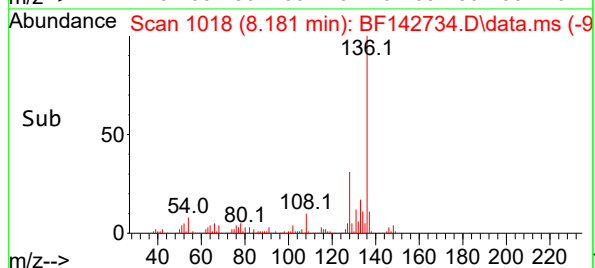
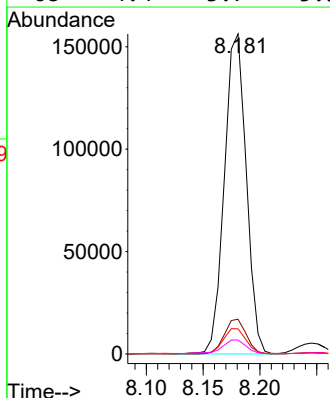
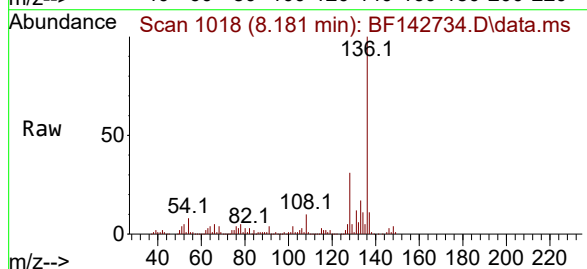
Instrument :
BNA_F
ClientSampleId :
MW-2-20250605

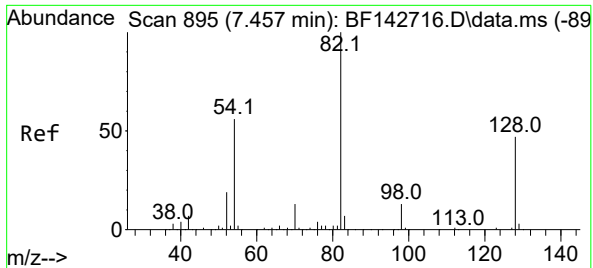
Tgt Ion: 99 Resp: 209494
Ion Ratio Lower Upper
99 100
42 20.2 15.9 23.9
71 37.7 28.0 42.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1018
Delta R.T. 0.000 min
Lab File: BF142734.D
Acq: 11 Jun 2025 14:50

Tgt Ion: 136 Resp: 209614
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 7.8 5.9 8.9
68 4.4 3.7 5.5





#23

Nitrobenzene-d5

Concen: 81.578 ng

RT: 7.457 min Scan# 895

Delta R.T. 0.000 min

Lab File: BF142734.D

Acq: 11 Jun 2025 14:50

Instrument :

BNA_F

ClientSampleId :

MW-2-20250605

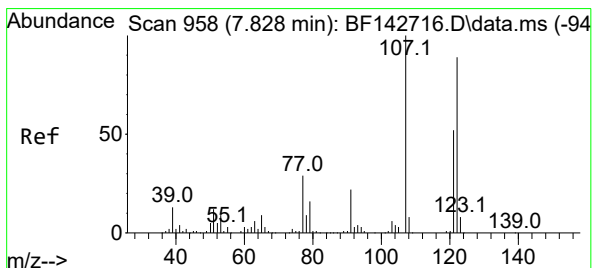
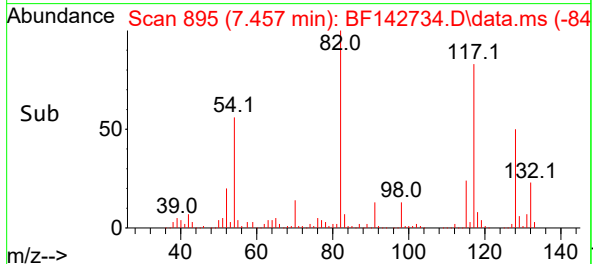
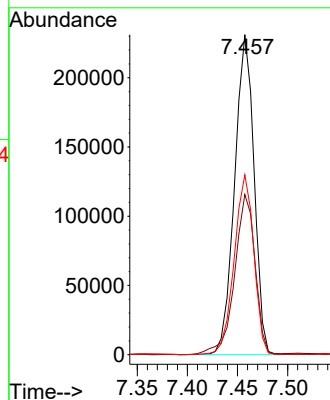
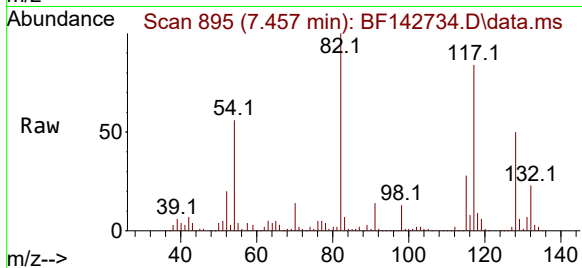
Tgt Ion: 82 Resp: 312453

Ion Ratio Lower Upper

82 100

128 50.1 37.8 56.8

54 56.2 44.9 67.3



#27

2,4-Dimethylphenol

Concen: 4.033 ng

RT: 7.840 min Scan# 960

Delta R.T. 0.012 min

Lab File: BF142734.D

Acq: 11 Jun 2025 14:50

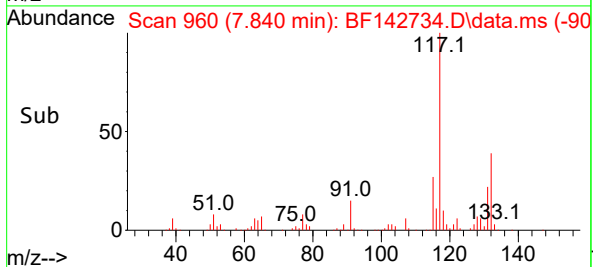
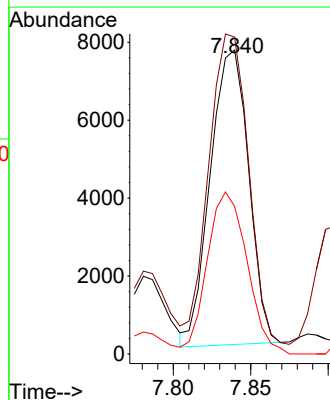
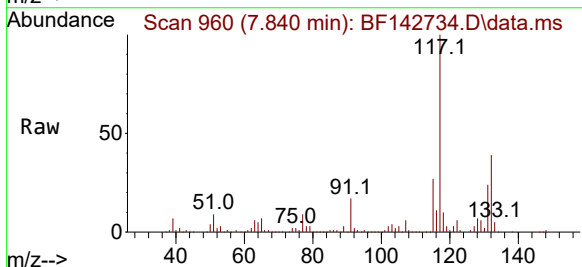
Tgt Ion: 122 Resp: 13026

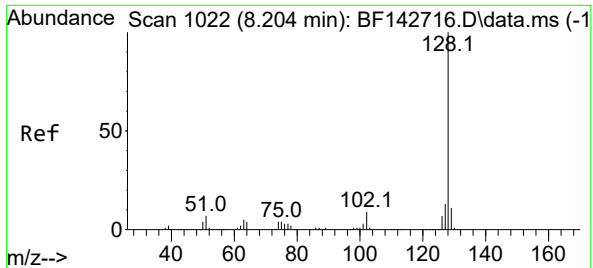
Ion Ratio Lower Upper

122 100

107 104.2 90.4 135.6

121 48.5 46.9 70.3

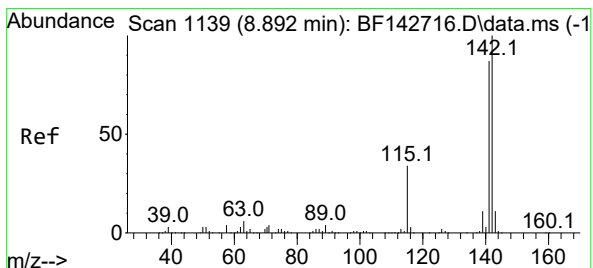
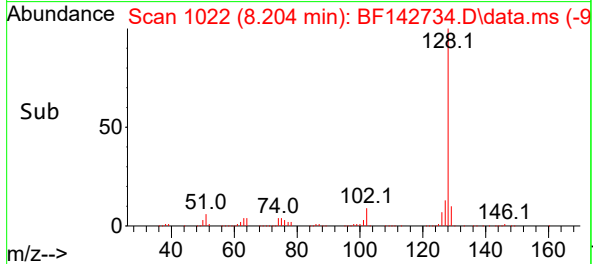
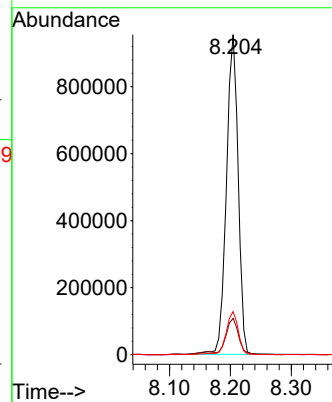
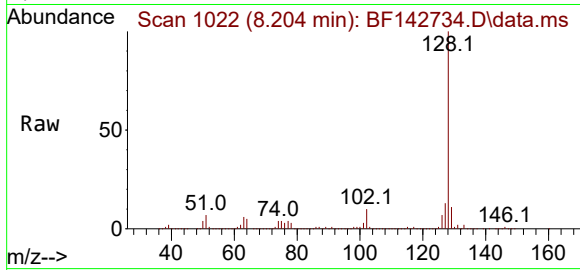




#31
Naphthalene
Concen: 123.236 ng
RT: 8.204 min Scan# 1022
Delta R.T. 0.000 min
Lab File: BF142734.D
Acq: 11 Jun 2025 14:50

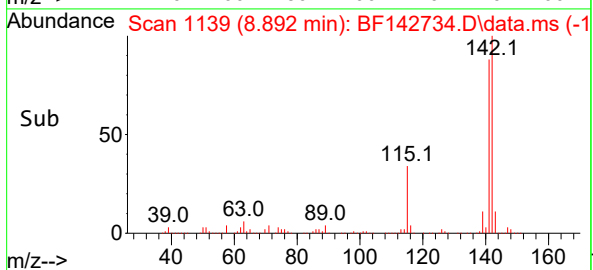
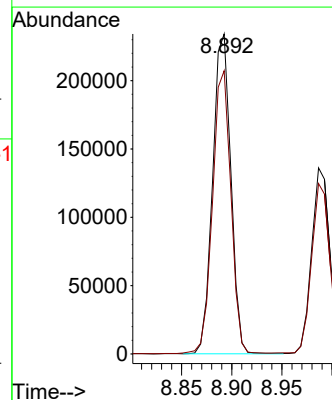
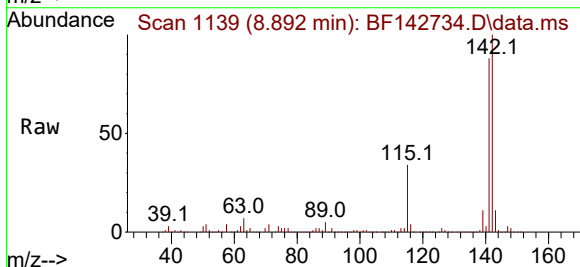
Instrument :
BNA_F
ClientSampleId :
MW-2-20250605

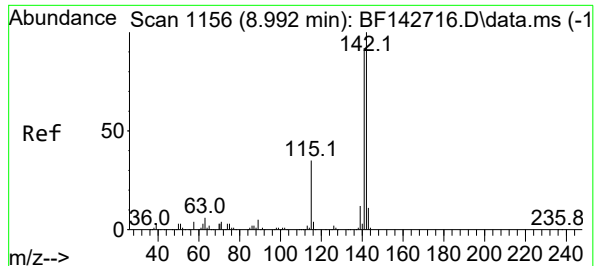
Tgt Ion:128 Resp: 1277553
Ion Ratio Lower Upper
128 100
129 11.4 8.7 13.1
127 13.5 10.4 15.6



#37
2-Methylnaphthalene
Concen: 45.002 ng
RT: 8.892 min Scan# 1139
Delta R.T. 0.000 min
Lab File: BF142734.D
Acq: 11 Jun 2025 14:50

Tgt Ion:142 Resp: 295287
Ion Ratio Lower Upper
142 100
141 88.5 69.9 104.9





#38

1-Methylnaphthalene

Concen: 24.950 ng

RT: 8.987 min Scan# 1155

Delta R.T. -0.006 min

Lab File: BF142734.D

Acq: 11 Jun 2025 14:50

Instrument :

BNA_F

ClientSampleId :

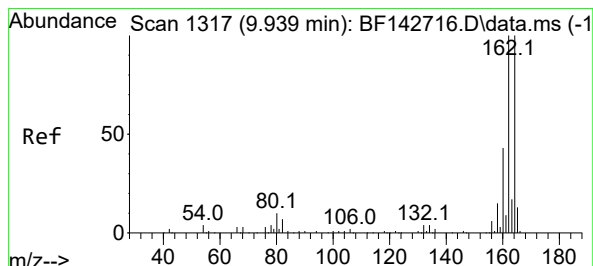
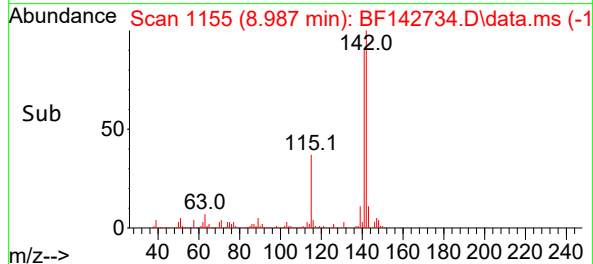
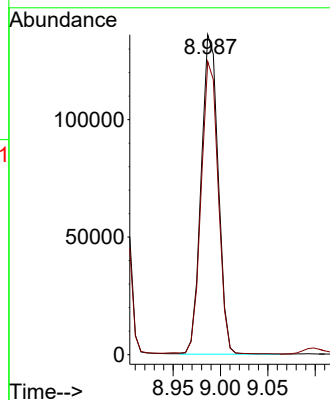
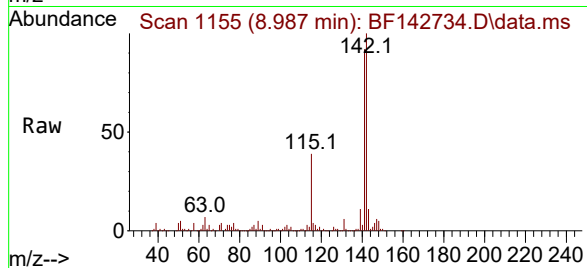
MW-2-20250605

Tgt Ion:142 Resp: 169596

Ion Ratio Lower Upper

142 100

141 91.6 73.5 110.3



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.934 min Scan# 1316

Delta R.T. -0.006 min

Lab File: BF142734.D

Acq: 11 Jun 2025 14:50

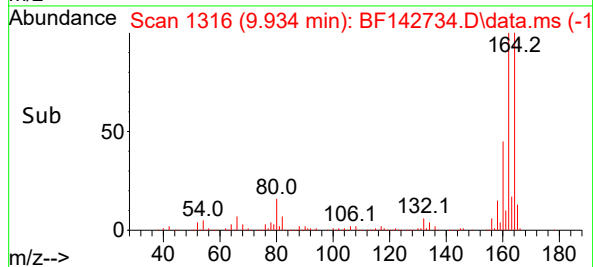
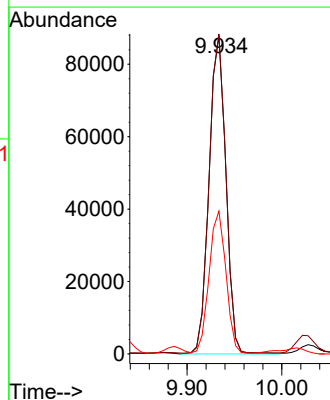
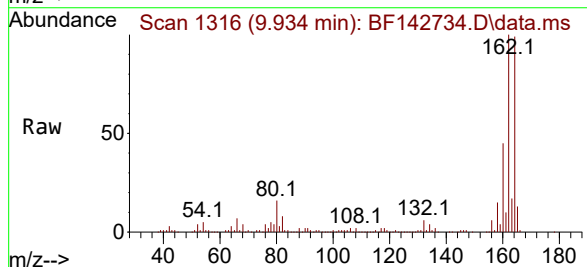
Tgt Ion:164 Resp: 108382

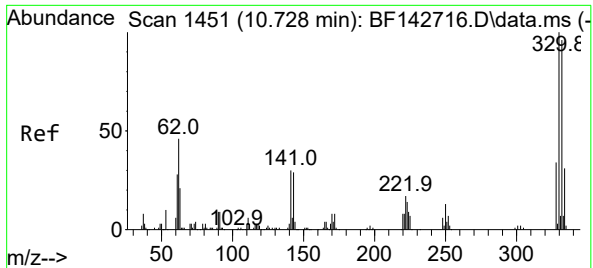
Ion Ratio Lower Upper

164 100

162 100.7 79.9 119.9

160 44.9 34.8 52.2





#42

2,4,6-Tribromophenol

Concen: 121.290 ng

RT: 10.722 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF142734.D

Acq: 11 Jun 2025 14:50

Instrument :

BNA_F

ClientSampleId :

MW-2-20250605

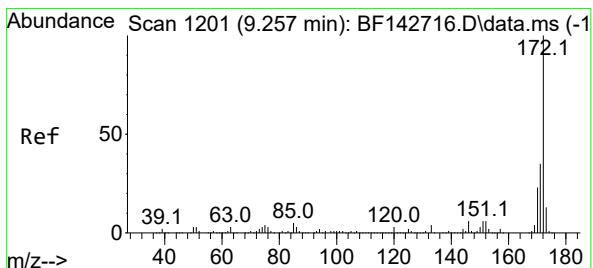
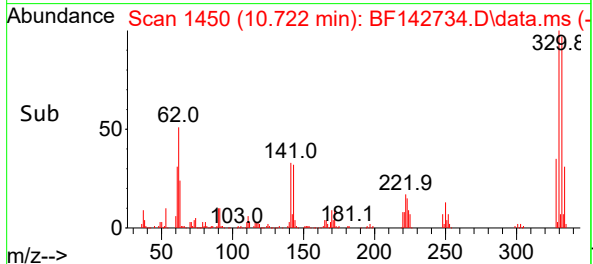
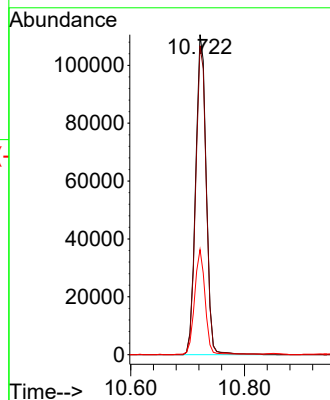
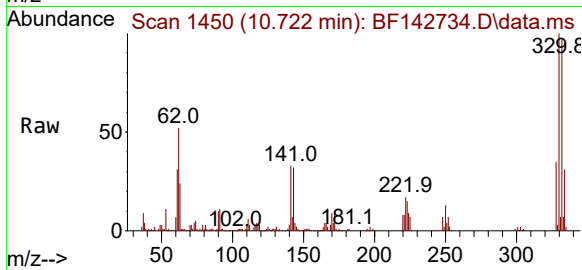
Tgt Ion:330 Resp: 144075

Ion Ratio Lower Upper

330 100

332 96.5 77.0 115.6

141 32.6 25.4 38.0



#45

2-Fluorobiphenyl

Concen: 81.662 ng

RT: 9.251 min Scan# 1200

Delta R.T. -0.006 min

Lab File: BF142734.D

Acq: 11 Jun 2025 14:50

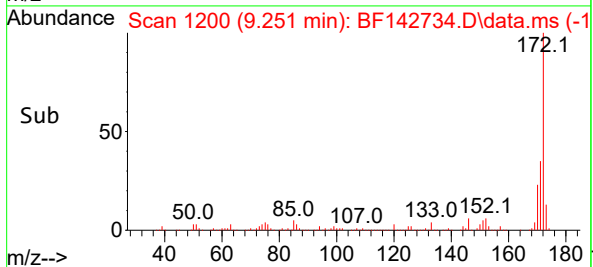
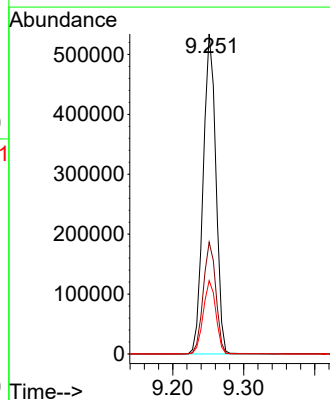
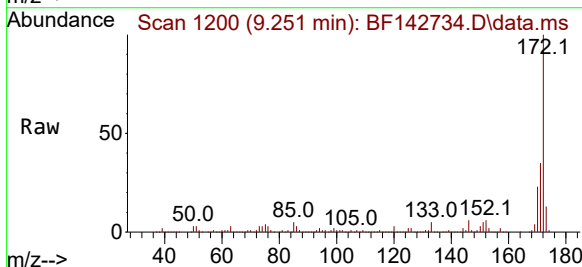
Tgt Ion:172 Resp: 666189

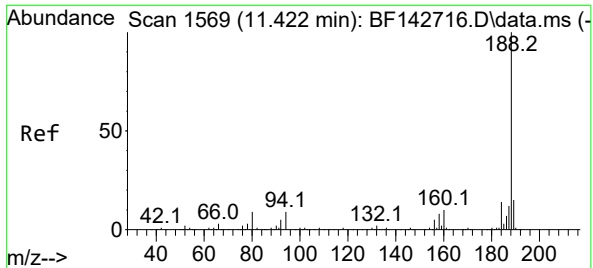
Ion Ratio Lower Upper

172 100

171 35.0 28.1 42.1

170 22.9 18.6 27.8

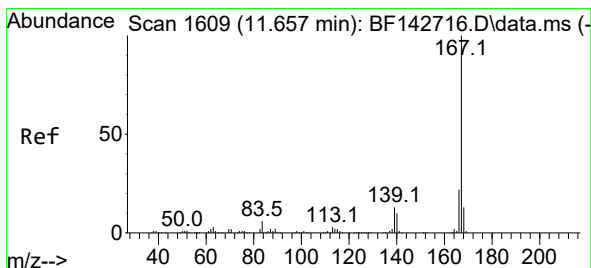
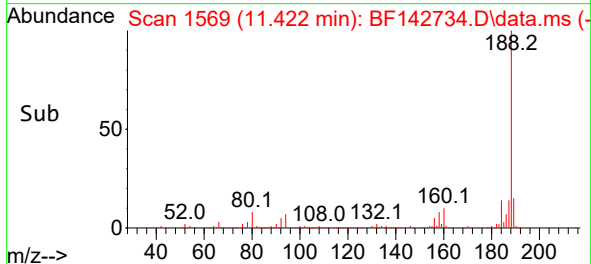
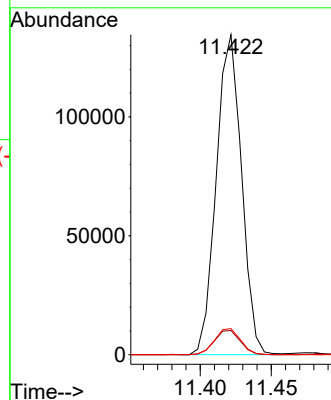
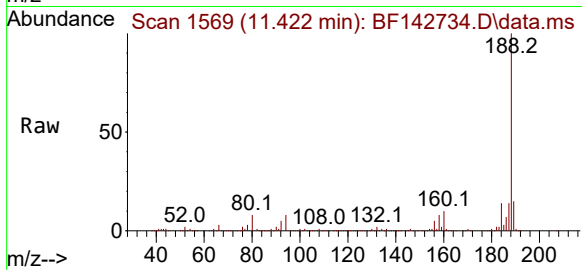




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142734.D
Acq: 11 Jun 2025 14:50

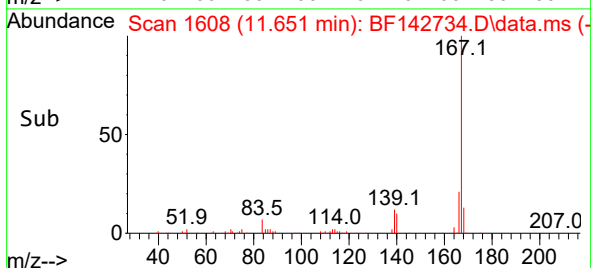
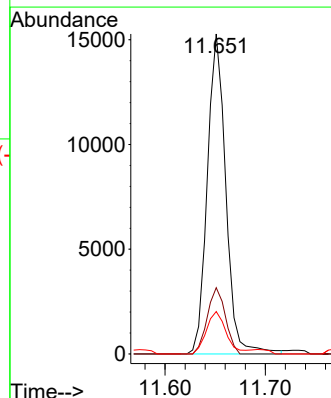
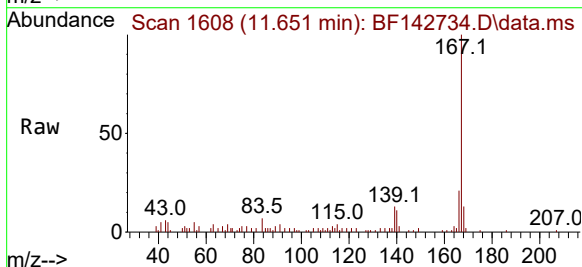
Instrument :
BNA_F
ClientSampleId :
MW-2-20250605

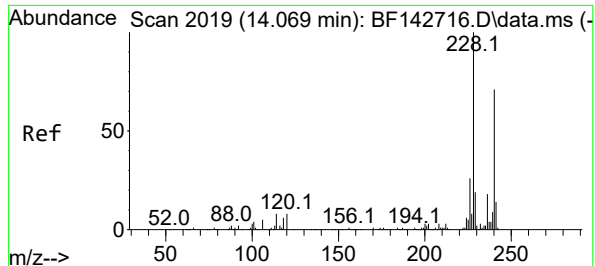
Tgt Ion:188 Resp: 166518
Ion Ratio Lower Upper
188 100
94 7.6 6.8 10.2
80 8.1 7.1 10.7



#73
Carbazole
Concen: 2.541 ng
RT: 11.651 min Scan# 1608
Delta R.T. -0.006 min
Lab File: BF142734.D
Acq: 11 Jun 2025 14:50

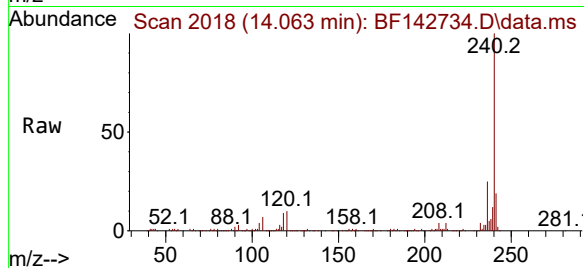
Tgt Ion:167 Resp: 19635
Ion Ratio Lower Upper
167 100
166 20.7 17.2 25.8
139 13.3 10.2 15.4



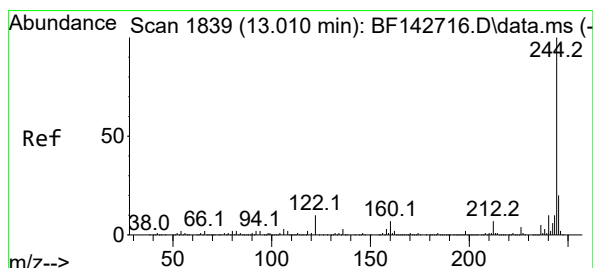
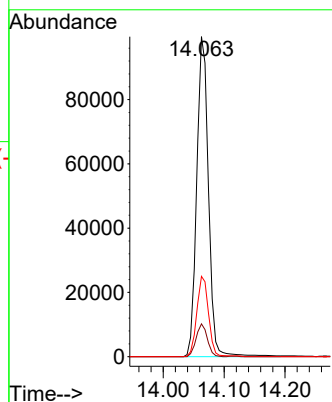
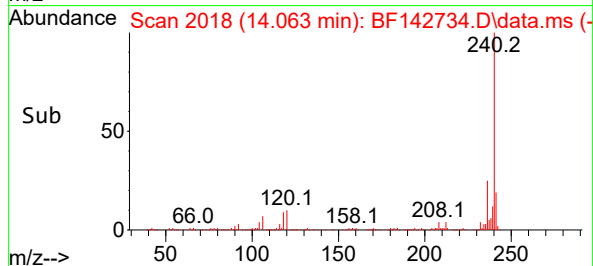


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF142734.D
Acq: 11 Jun 2025 14:50

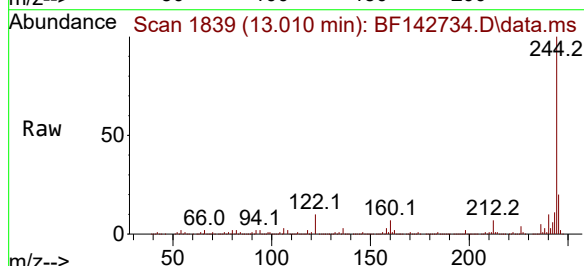
Instrument :
BNA_F
ClientSampleId :
MW-2-20250605



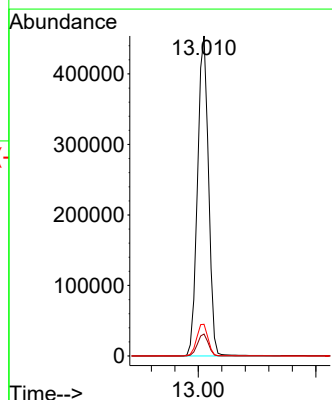
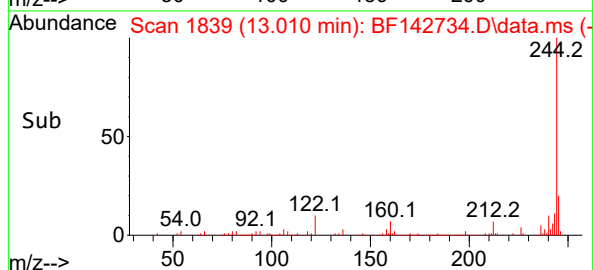
Tgt Ion:240 Resp: 133428
Ion Ratio Lower Upper
240 100
120 10.3 8.5 12.7
236 25.1 20.1 30.1

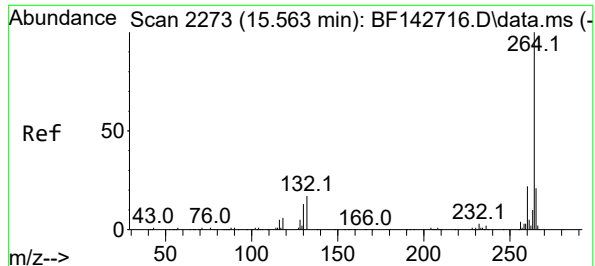


#79
Terphenyl-d14
Concen: 60.727 ng
RT: 13.010 min Scan# 1839
Delta R.T. -0.000 min
Lab File: BF142734.D
Acq: 11 Jun 2025 14:50



Tgt Ion:244 Resp: 589954
Ion Ratio Lower Upper
244 100
212 6.8 5.4 8.0
122 9.9 8.3 12.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.563 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF142734.D

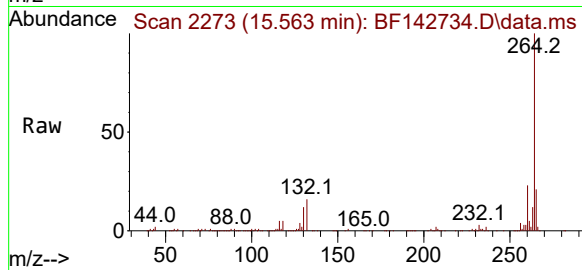
Acq: 11 Jun 2025 14:50

Instrument :

BNA_F

ClientSampleId :

MW-2-20250605



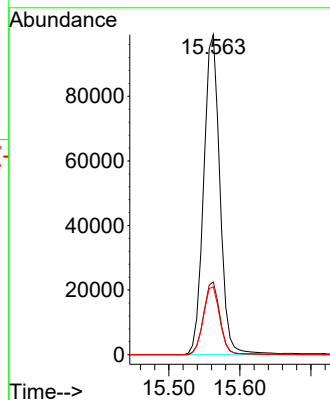
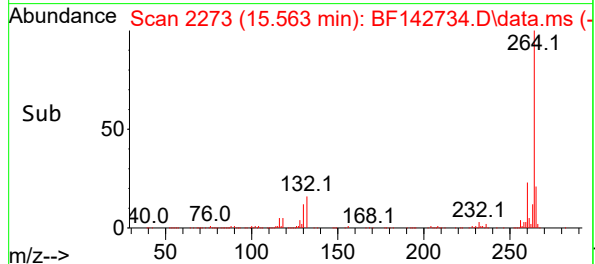
Tgt Ion:264 Resp: 157760

Ion Ratio Lower Upper

264 100

260 22.7 17.8 26.6

265 21.2 16.6 25.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
 Data File : BF142734.D
 Acq On : 11 Jun 2025 14:50
 Operator : RC/JU
 Sample : Q2268-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-2-20250605

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-BF061125.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142734.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.305	9	19	27	rBV3	27259	87856	1.72%	0.187%
2	2.569	51	64	74	rVB3	80997	254701	5.00%	0.543%
3	2.787	95	101	112	rVB3	50971	126340	2.48%	0.269%
4	3.069	144	149	158	rVB2	36607	82737	1.62%	0.176%
5	3.416	196	208	211	rBV4	22005	55133	1.08%	0.118%
6	3.457	211	215	232	rVB4	30608	77983	1.53%	0.166%
7	3.634	232	245	248	rBV4	22309	69654	1.37%	0.148%
8	3.681	248	253	259	rVB	86663	157268	3.09%	0.335%
9	3.763	259	267	273	rBV3	52789	112082	2.20%	0.239%
10	3.981	300	304	308	rVB	45402	66286	1.30%	0.141%
11	4.040	308	314	319	rBV	85870	138123	2.71%	0.294%
12	4.375	364	371	374	rBV4	28731	60697	1.19%	0.129%
13	4.557	398	402	407	rBV2	40810	59021	1.16%	0.126%
14	4.663	413	420	429	rBV2	119739	204404	4.01%	0.436%
15	4.904	455	461	464	rBV3	37901	62267	1.22%	0.133%
16	5.040	476	484	491	rVB5	31180	103431	2.03%	0.220%
17	5.110	491	496	502	rVV	50689	78180	1.53%	0.167%
18	5.181	502	508	512	rVV4	35152	64640	1.27%	0.138%
19	5.234	512	517	527	rVB4	29242	63857	1.25%	0.136%
20	5.387	536	543	548	rVB	2315330	3228422	63.33%	6.881%
21	5.510	555	564	570	rVB	2920094	5097719	100.00%	10.865%
22	6.063	653	658	663	rBV	344323	426590	8.37%	0.909%
23	6.351	703	707	712	rVB	591631	756143	14.83%	1.612%
24	6.416	712	718	720	rBV2	78863	105457	2.07%	0.225%
25	6.451	720	724	727	rBV	691771	791414	15.52%	1.687%
26	6.493	727	731	734	rBV	712711	993384	19.49%	2.117%
27	6.581	741	746	751	rBV	835637	1033406	20.27%	2.203%
28	6.722	762	770	775	rBV	2181224	2881555	56.53%	6.142%
29	6.840	783	790	795	rBV3	58102	130068	2.55%	0.277%
30	6.893	795	799	803	rVV	274880	362548	7.11%	0.773%
31	6.951	804	809	814	rVV	1076947	1380989	27.09%	2.943%
32	7.022	818	821	822	rVV	47696	54045	1.06%	0.115%
33	7.075	825	830	837	rVV	1985669	2621324	51.42%	5.587%
34	7.140	837	841	848	rVB2	399655	519139	10.18%	1.107%
35	7.210	848	853	861	rVB	431355	622819	12.22%	1.328%
36	7.287	861	866	871	rBV2	235803	324276	6.36%	0.691%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
 Data File : BF142734.D
 Acq On : 11 Jun 2025 14:50
 Operator : RC/JU
 Sample : Q2268-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-2-20250605

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-BF061125.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	7.357	873	878	885	rVV2	200606	391429	7.68%	0.834%
38	7.428	885	890	893	rVV	1092720	1654865	32.46%	3.527%
39	7.463	893	896	901	rVB2	1320900	1704486	33.44%	3.633%
40	7.540	905	909	912	rVV2	58814	81919	1.61%	0.175%

41	7.575	912	915	923	rVB2	120385	167319	3.28%	0.357%
42	7.663	924	930	932	rBV	569326	750072	14.71%	1.599%
43	7.687	932	934	938	rVB	340864	364825	7.16%	0.778%
44	7.740	938	943	946	rBV	75010	102671	2.01%	0.219%
45	7.781	946	950	954	rVV2	73227	107881	2.12%	0.230%

46	7.845	954	961	967	rVB	674378	973090	19.09%	2.074%
47	7.916	967	973	984	rBV	1274943	2073381	40.67%	4.419%
48	8.016	988	990	993	rVV	103273	114961	2.26%	0.245%
49	8.045	993	995	998	rVB	57715	55573	1.09%	0.118%
50	8.204	1004	1022	1027	rBV2	2020365	3865821	75.83%	8.240%

51	8.251	1027	1030	1035	rVB2	182717	237521	4.66%	0.506%
52	8.351	1045	1047	1053	rVB5	29419	52804	1.04%	0.113%
53	8.451	1053	1064	1068	rBV2	125544	262501	5.15%	0.560%
54	8.557	1079	1082	1086	rVB	120834	145532	2.85%	0.310%
55	8.640	1092	1096	1100	rBV2	92914	139298	2.73%	0.297%

56	8.681	1100	1103	1108	rVB3	82786	120026	2.35%	0.256%
57	8.763	1114	1117	1122	rVB	146550	187761	3.68%	0.400%
58	8.839	1122	1130	1133	rBV4	42913	77763	1.53%	0.166%
59	8.892	1133	1139	1145	rBV	747055	988211	19.39%	2.106%
60	8.987	1150	1155	1159	rVV	494853	640153	12.56%	1.364%

61	9.051	1163	1166	1172	rVB3	97230	166399	3.26%	0.355%
62	9.175	1180	1187	1195	rVB4	92982	193580	3.80%	0.413%
63	9.251	1195	1200	1205	rVB	1499281	1850853	36.31%	3.945%
64	9.334	1209	1214	1219	rBV3	77712	141509	2.78%	0.302%
65	9.516	1239	1245	1249	rBV4	76400	160520	3.15%	0.342%

66	9.587	1254	1257	1267	rVB3	53777	137077	2.69%	0.292%
67	9.669	1267	1271	1280	rBV5	23801	60473	1.19%	0.129%
68	9.934	1310	1316	1324	rBV	368628	482449	9.46%	1.028%
69	10.022	1324	1331	1339	rVB2	83772	138913	2.73%	0.296%
70	10.134	1346	1350	1354	rVB	47829	63916	1.25%	0.136%

71	10.192	1354	1360	1366	rVB2	126671	230606	4.52%	0.492%
72	10.645	1432	1437	1445	rBV2	40970	74064	1.45%	0.158%
73	10.722	1445	1450	1464	rVB	845316	1128020	22.13%	2.404%
74	10.851	1467	1472	1479	rVB2	41090	64596	1.27%	0.138%
75	10.986	1487	1495	1498	rBV	51797	106901	2.10%	0.228%

76	11.286	1541	1546	1555	rBV2	45602	85443	1.68%	0.182%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142734.D
Acq On : 11 Jun 2025 14:50
Operator : RC/JU
Sample : Q2268-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-2-20250605

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-BF061125.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	11.422	1564	1569	1577	rBV	326012	452518	8.88%	0.965%
78	11.945	1653	1658	1670	rBV2	123073	202488	3.97%	0.432%
79	12.680	1772	1783	1787	rBV2	70278	180276	3.54%	0.384%
80	12.727	1787	1791	1804	rVB	85377	151917	2.98%	0.324%
81	13.010	1833	1839	1844	rBV	1201779	1568034	30.76%	3.342%
82	14.063	2013	2018	2027	rBV	267398	352405	6.91%	0.751%
83	15.563	2266	2273	2286	rVB	256287	409828	8.04%	0.874%

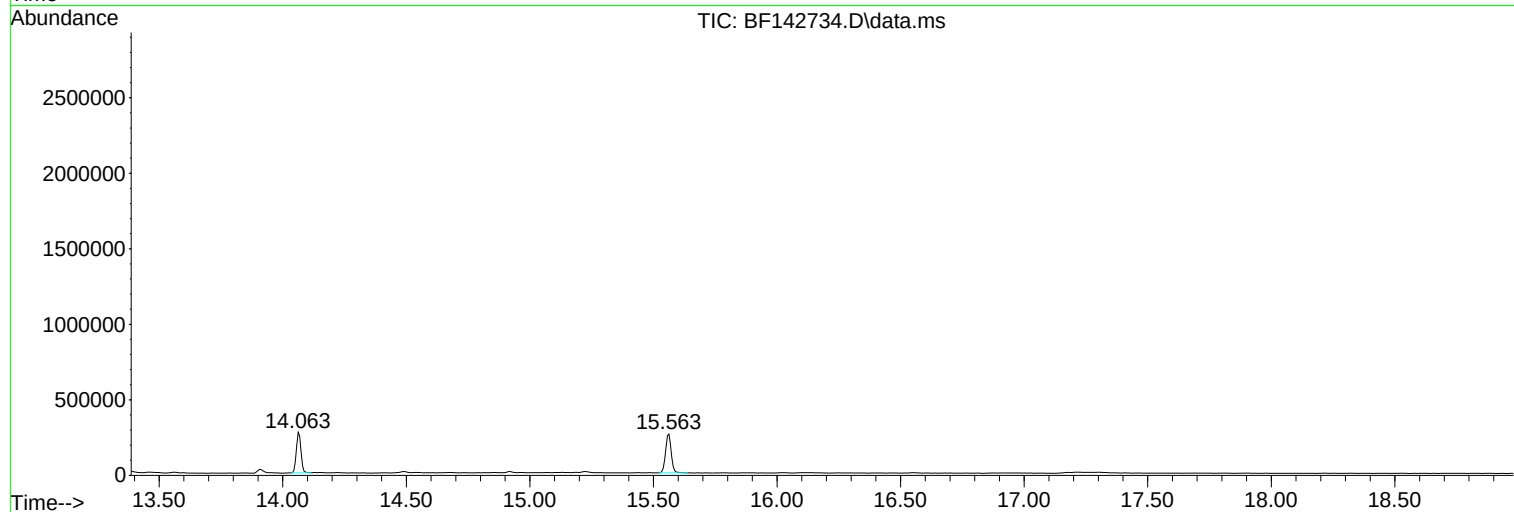
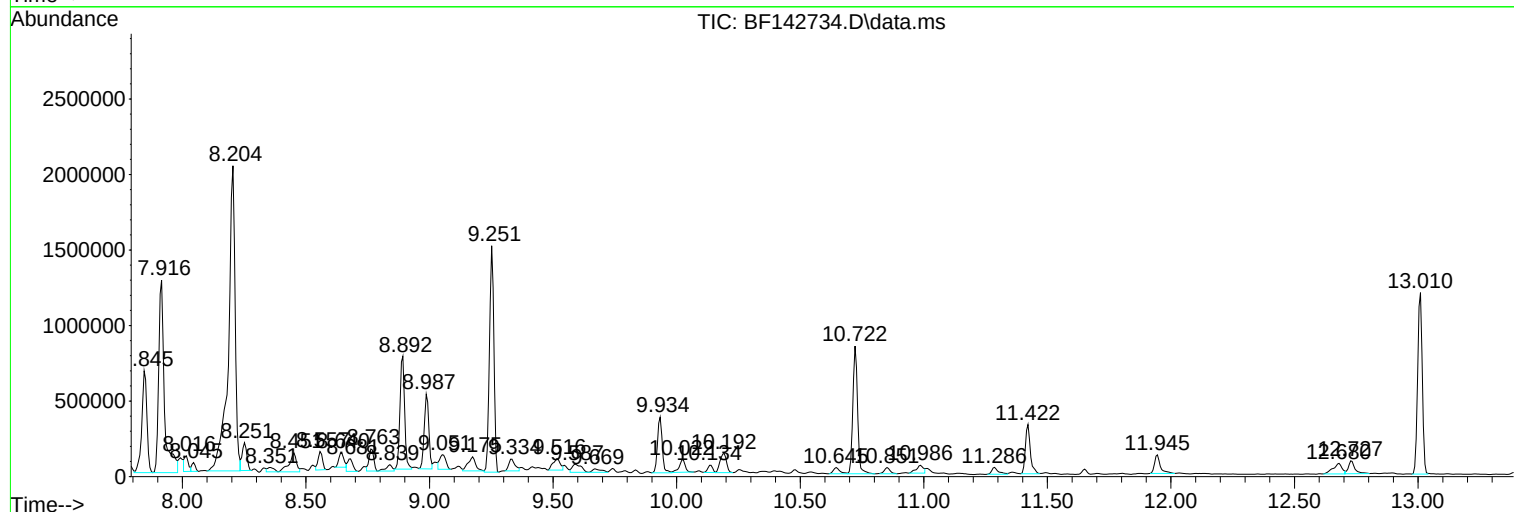
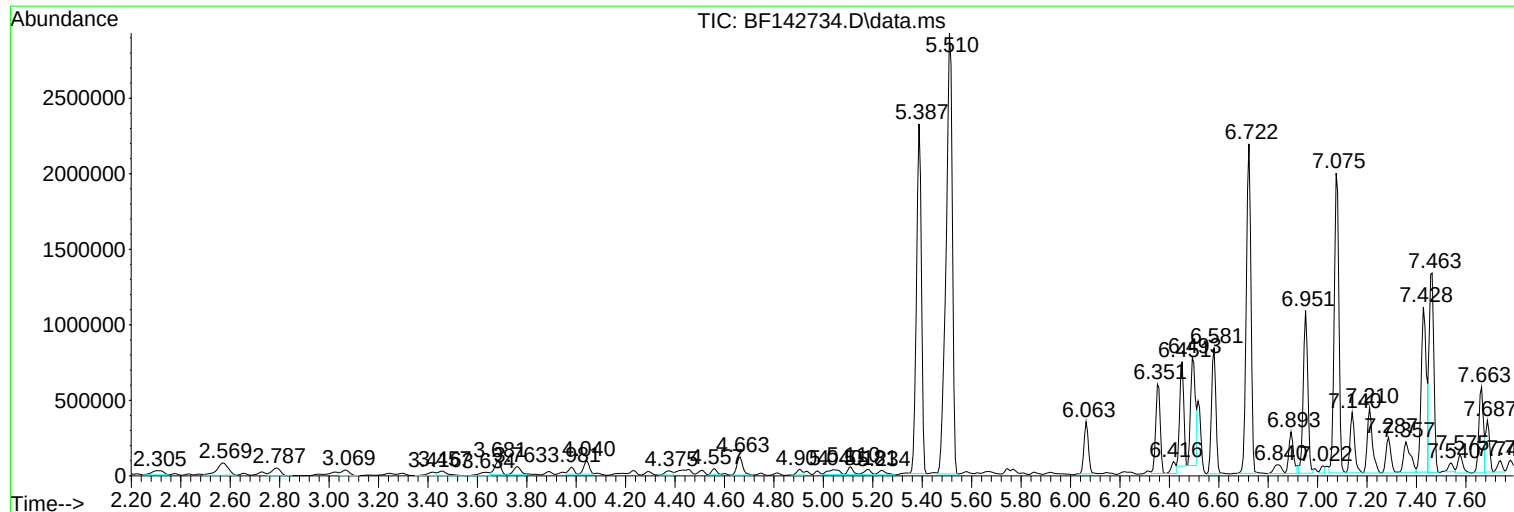
Sum of corrected areas: 46916606

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142734.D
Acq On : 11 Jun 2025 14:50
Operator : RC/JU
Sample : Q2268-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-2-20250605

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.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\BF061125\
Data File : BF142734.D
Acq On : 11 Jun 2025 14:50
Operator : RC/JU
Sample : Q2268-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-2-20250605

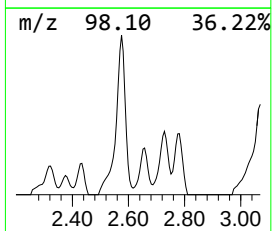
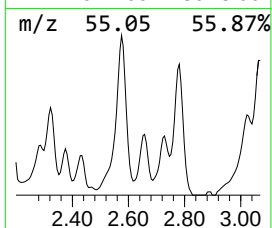
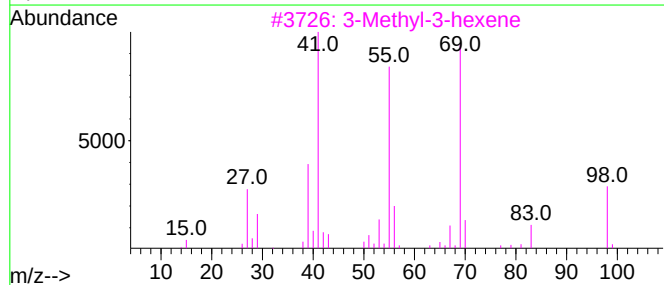
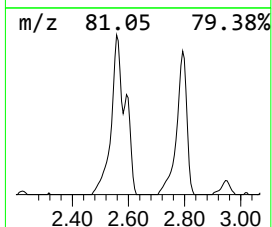
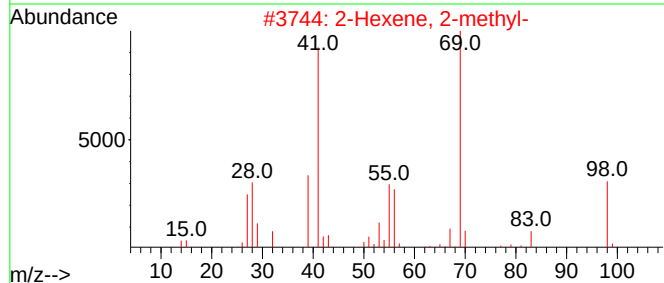
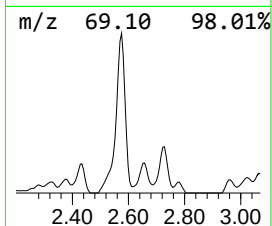
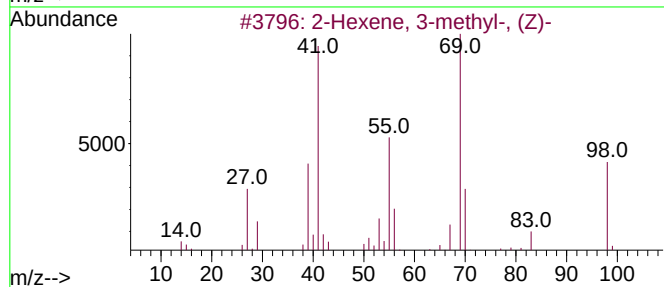
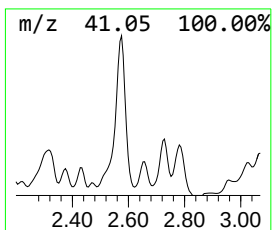
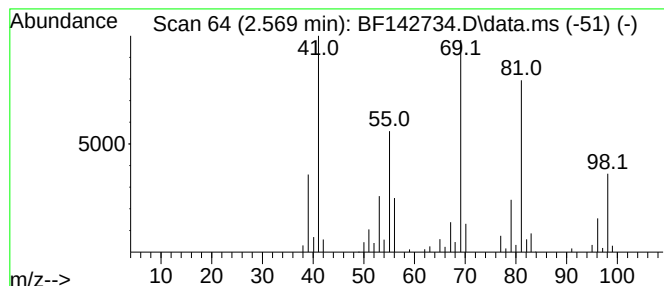
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Hexene, 3-methyl-, (Z)- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.569	14.05 ng	254701	1,4-Dichlorobenzene-d4	6.893

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexene, 3-methyl-, (Z)-			98	C7H14	010574-36-4	64
2	2-Hexene, 2-methyl-			98	C7H14	002738-19-4	55
3	3-Methyl-3-hexene			98	C7H14	003404-65-7	50
4	3-Hexene, 3-methyl-, (Z)-			98	C7H14	004914-89-0	50
5	1,3-Pentadiene, 2,4-dimethyl-			96	C7H12	001000-86-8	45



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142734.D
Acq On : 11 Jun 2025 14:50
Operator : RC/JU
Sample : Q2268-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-2-20250605

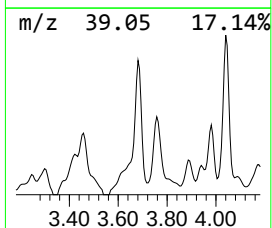
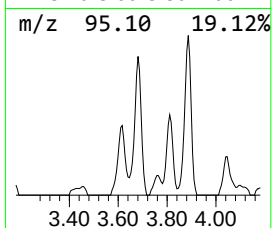
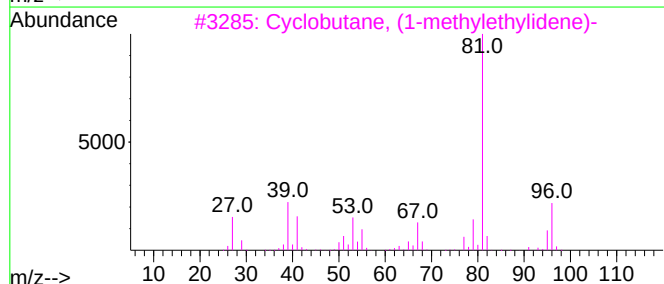
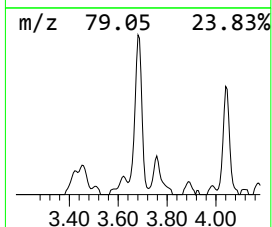
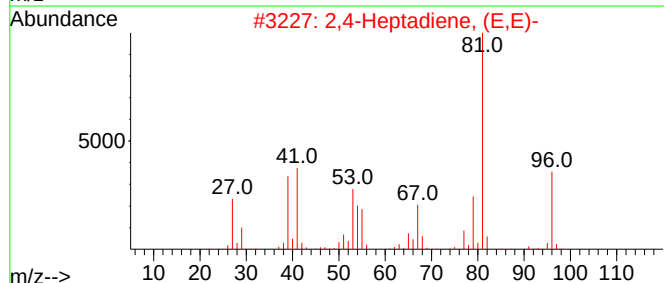
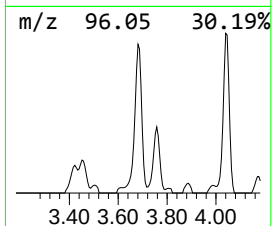
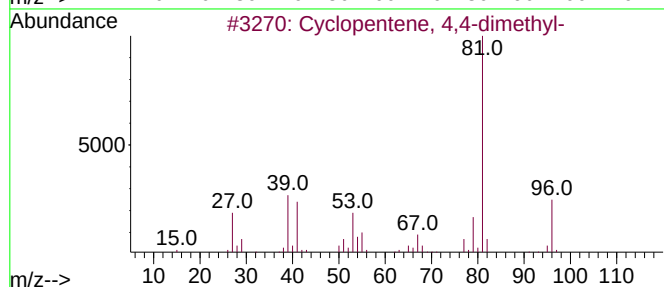
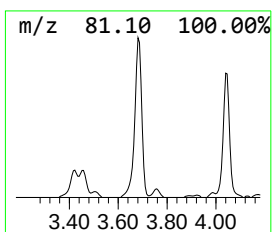
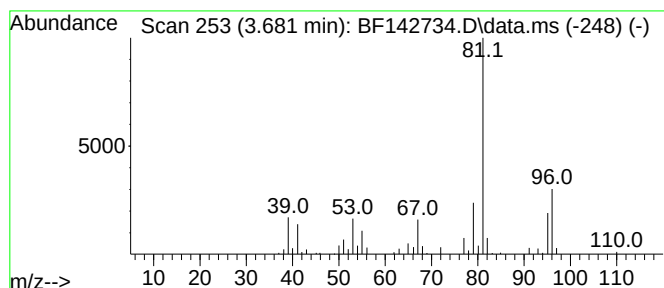
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Cyclopentene, 4,4-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.681	8.68 ng	157268	1,4-Dichlorobenzene-d4	6.893

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentene, 4,4-dimethyl-	96	C7H12	019037-72-0	87
2			2,4-Heptadiene, (E,E)-	96	C7H12	002384-94-3	87
3			Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	87
4			Cyclopentene, 1,5-dimethyl-	96	C7H12	016491-15-9	87
5			1,4-Hexadiene, 4-methyl-	96	C7H12	001116-90-1	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142734.D
Acq On : 11 Jun 2025 14:50
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Sample : Q2268-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-2-20250605

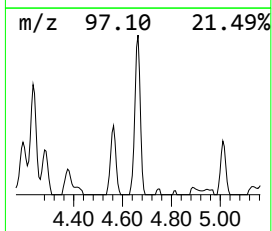
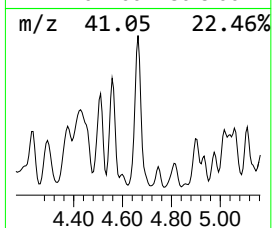
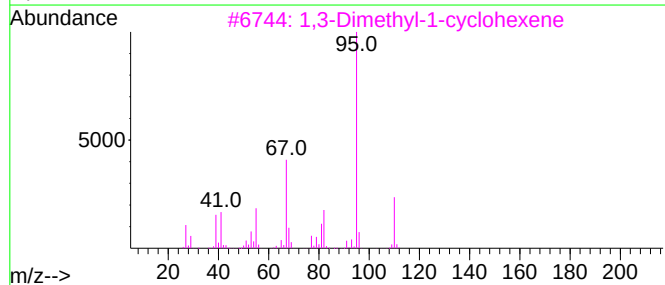
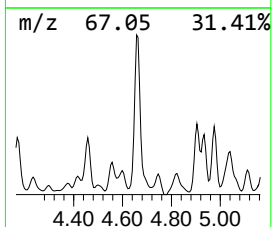
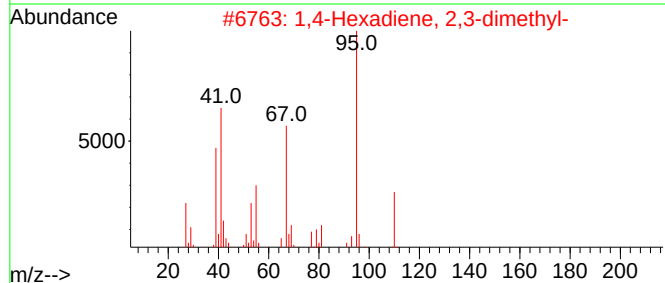
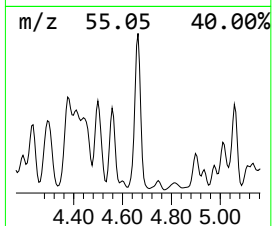
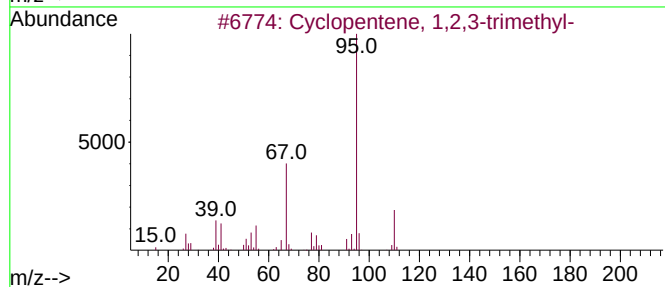
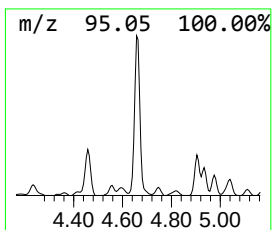
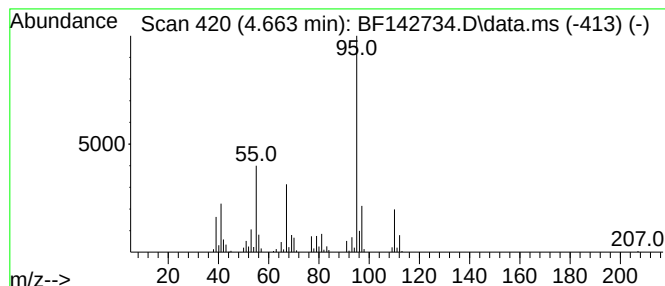
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Cyclopentene, 1,2,3-trimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.663	11.28 ng	204404	1,4-Dichlorobenzene-d4	6.893

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclopentene, 1,2,3-trimethyl-	110	C8H14	000473-91-6	93
2		1,4-Hexadiene, 2,3-dimethyl-	110	C8H14	018669-52-8	90
3		1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	76
4		1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	74
5		3-Cyclopenten-1-one, 2,2,5,5-tet...	138	C9H14O	081396-36-3	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142734.D
Acq On : 11 Jun 2025 14:50
Operator : RC/JU
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Misc :
ALS Vial : 13 Sample Multiplier: 1

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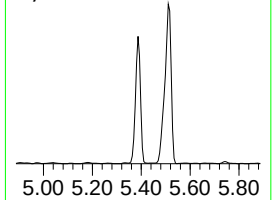
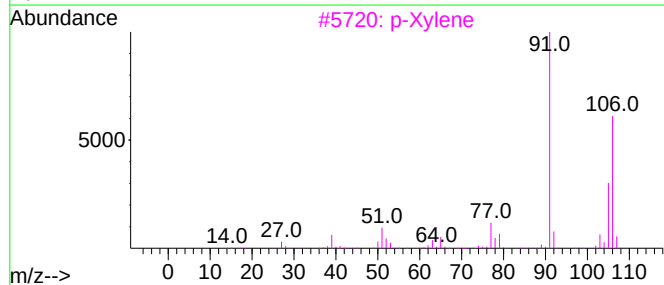
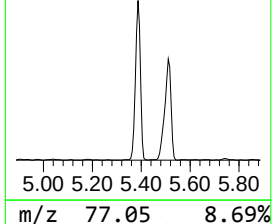
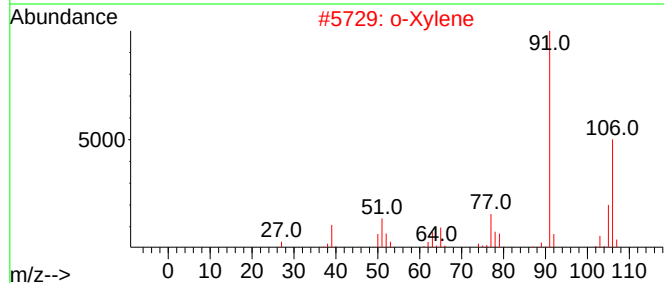
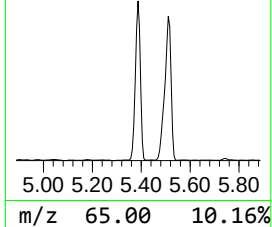
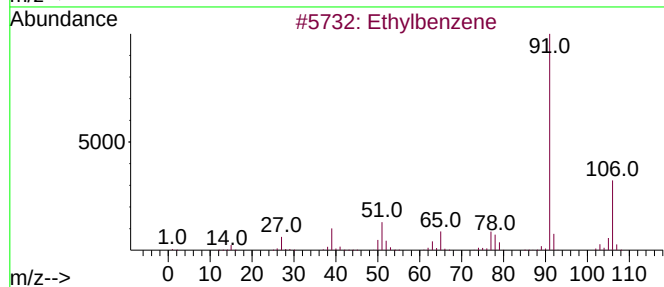
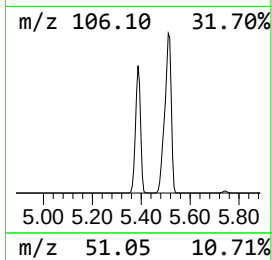
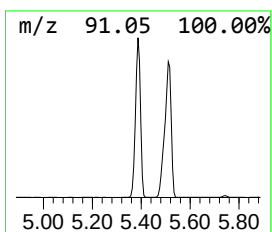
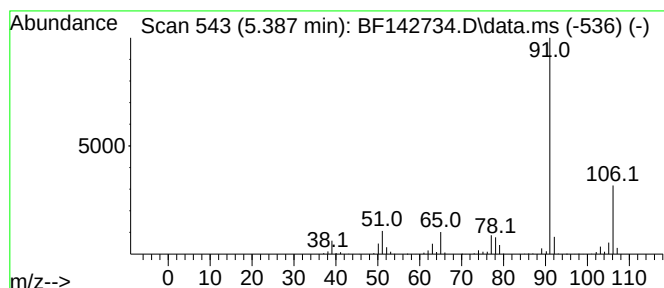
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Benzene, 1,3-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.387	178.10 ng	3228420	1,4-Dichlorobenzene-d4	6.893

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Ethylbenzene	106	C8H10	000100-41-4	94
2			o-Xylene	106	C8H10	000095-47-6	76
3			p-Xylene	106	C8H10	000106-42-3	72
4			Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	59
5			N-(Benzyloxy)-2,2,2-trifluoroace...	219	C9H8F3NO2	174075-91-3	50



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142734.D
Acq On : 11 Jun 2025 14:50
Operator : RC/JU
Sample : Q2268-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
MW-2-20250605

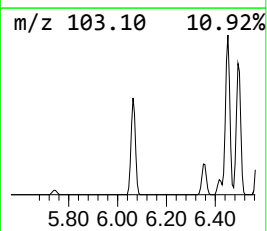
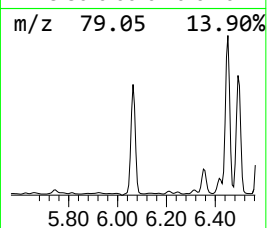
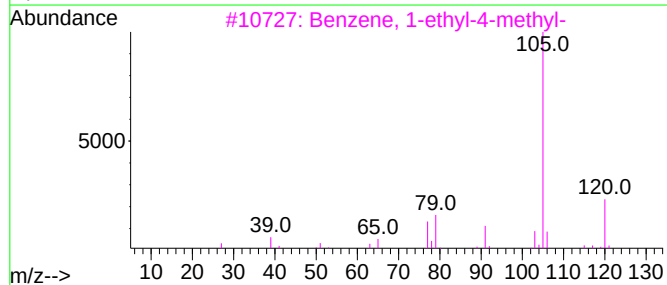
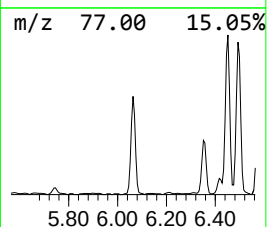
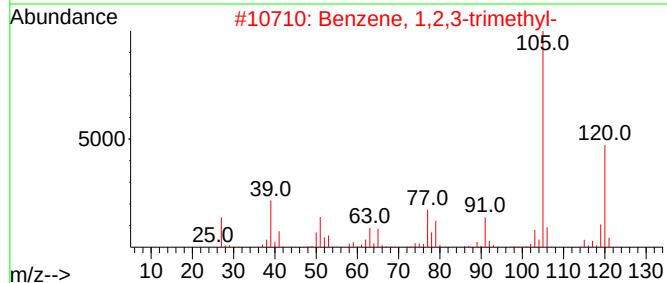
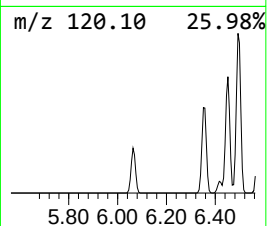
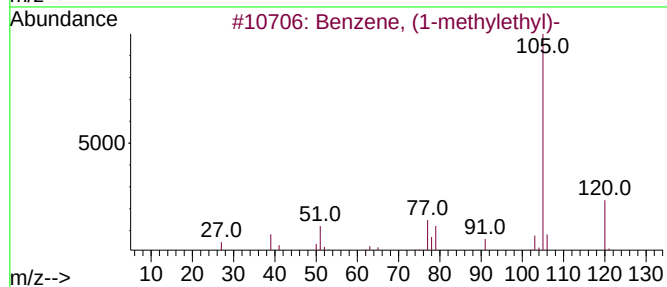
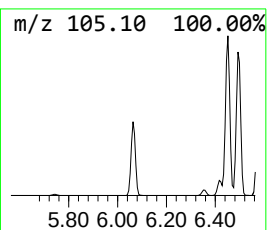
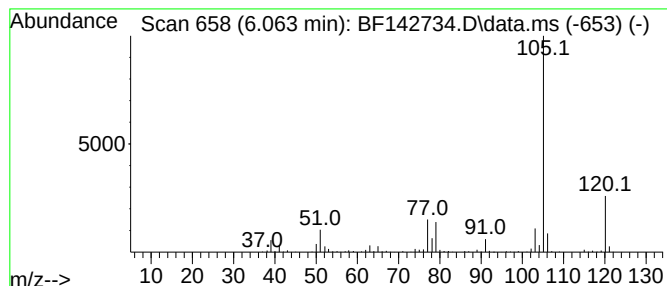
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Benzene, (1-methylethyl)- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.063	23.53 ng	426590	1,4-Dichlorobenzene-d4	6.893

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	95
2			Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
3			Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	80
4			Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	80
5			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	80



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142734.D
Acq On : 11 Jun 2025 14:50
Operator : RC/JU
Sample : Q2268-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
MW-2-20250605

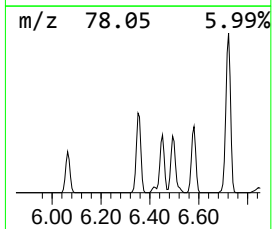
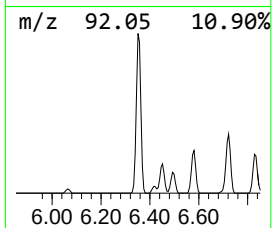
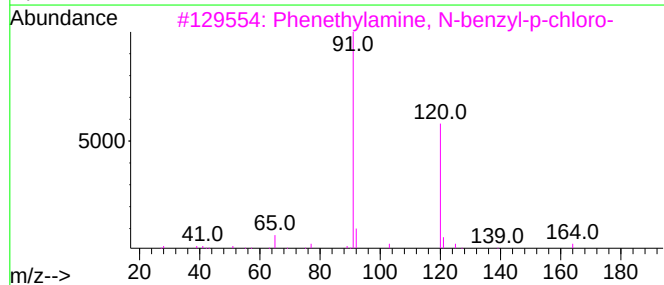
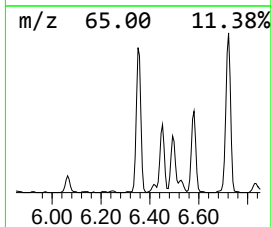
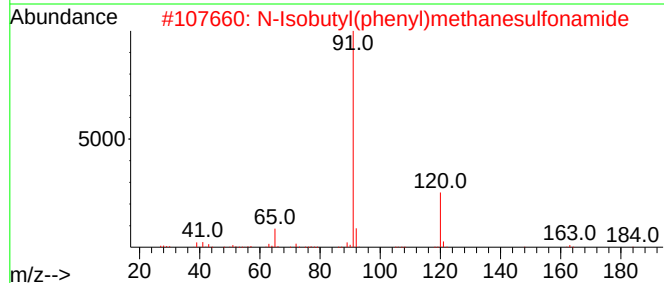
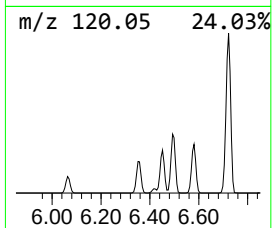
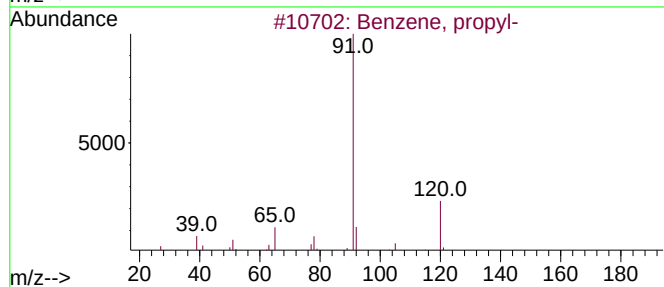
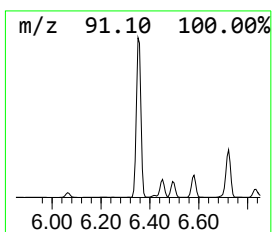
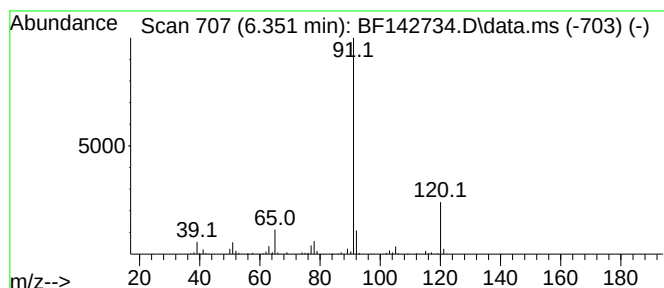
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 N-Isobutyl(phenyl)methanesu... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.351	41.71 ng	756143	1,4-Dichlorobenzene-d4	6.893

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, propyl-	120	C9H12	000103-65-1	94
2			N-Isobutyl(phenyl)methanesulfona...	227	C11H17NO2S	144615-94-1	72
3			Phenethylamine, N-benzyl-p-chloro-	245	C15H16ClN	013622-43-0	72
4			N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	72
5			1,2-Ethanediamine, N,N'-bis(phen...	240	C16H20N2	000140-28-3	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142734.D
Acq On : 11 Jun 2025 14:50
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ClientSampleId :
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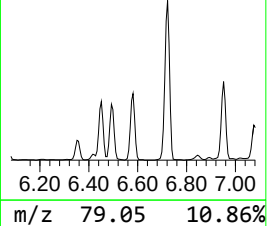
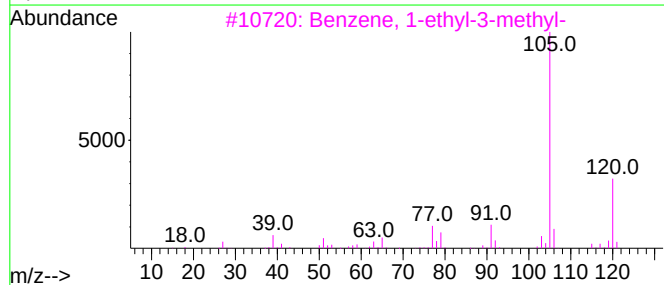
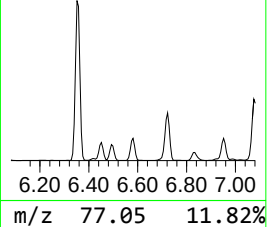
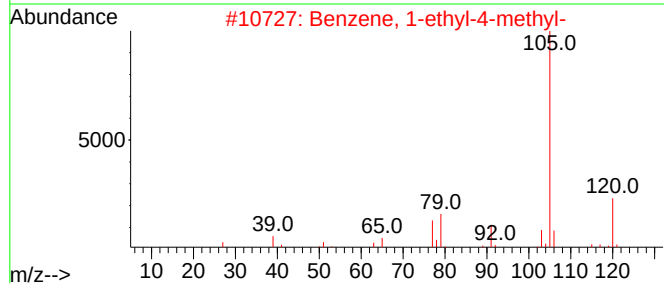
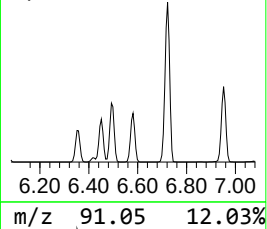
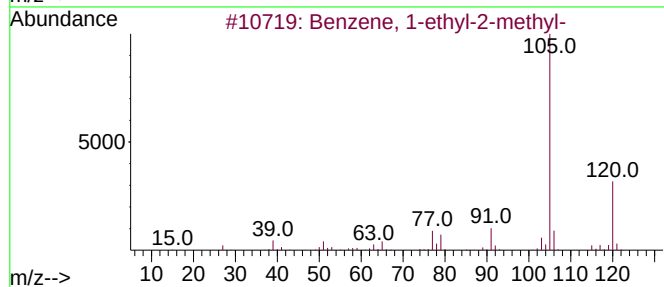
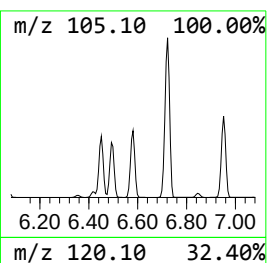
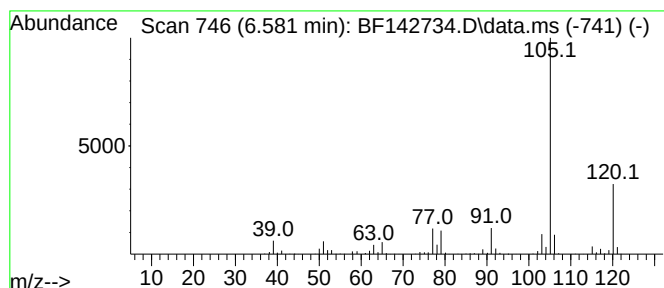
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Benzene, 1-ethyl-4-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.581	57.01 ng	1033410	1,4-Dichlorobenzene-d4	6.893

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2			Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	94
3			Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
4			Mesitylene	120	C9H12	000108-67-8	91
5			Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142734.D
Acq On : 11 Jun 2025 14:50
Operator : RC/JU
Sample : Q2268-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
MW-2-20250605

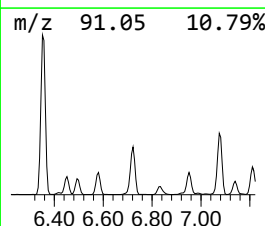
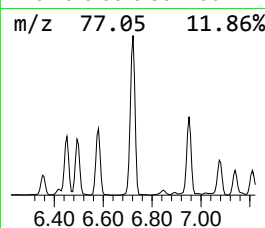
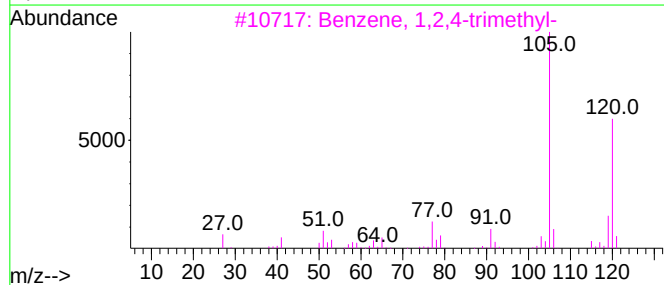
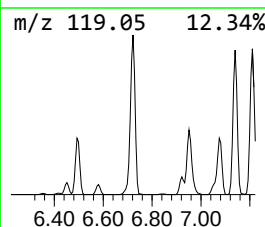
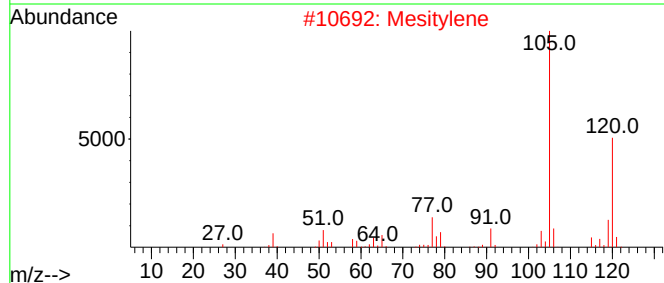
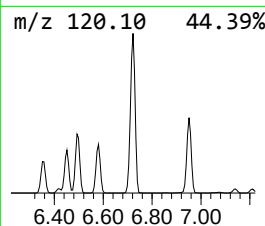
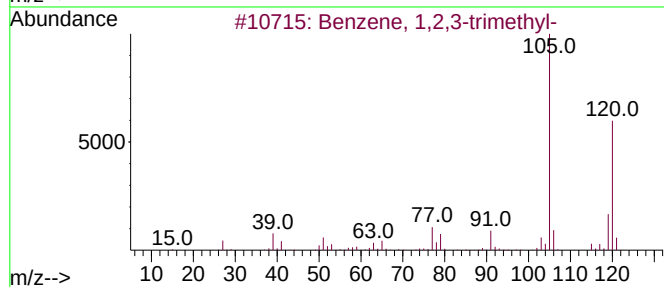
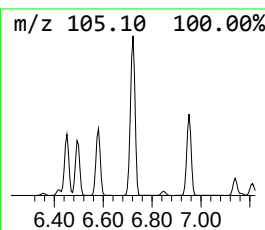
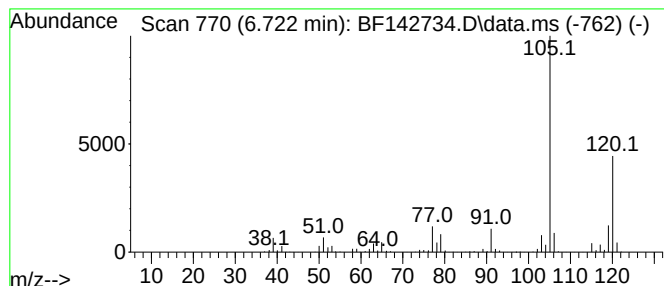
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Benzene, 1,2,3-trimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.722	158.96 ng	2881560	1,4-Dichlorobenzene-d4	6.893

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2			Mesitylene	120	C9H12	000108-67-8	97
3			Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
4			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	90
5			Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142734.D
Acq On : 11 Jun 2025 14:50
Operator : RC/JU
Sample : Q2268-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-2-20250605

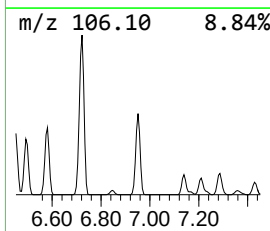
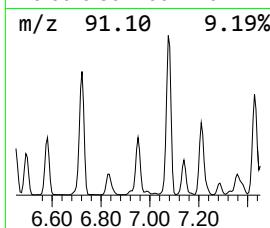
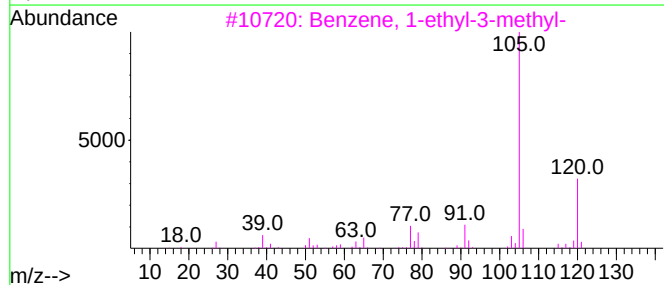
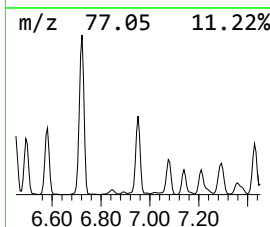
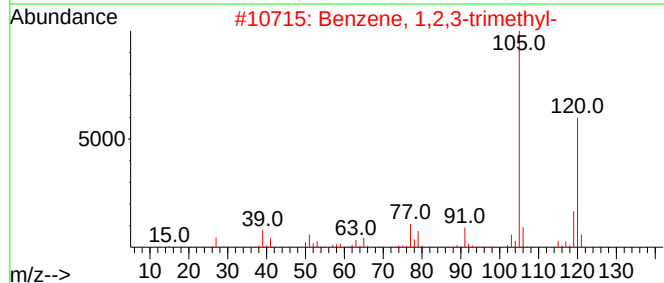
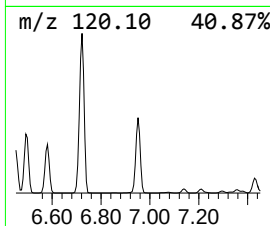
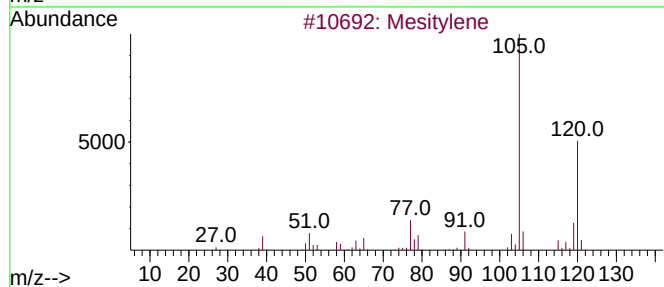
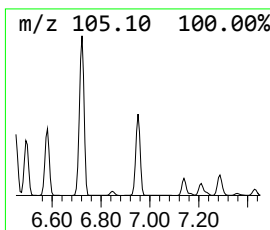
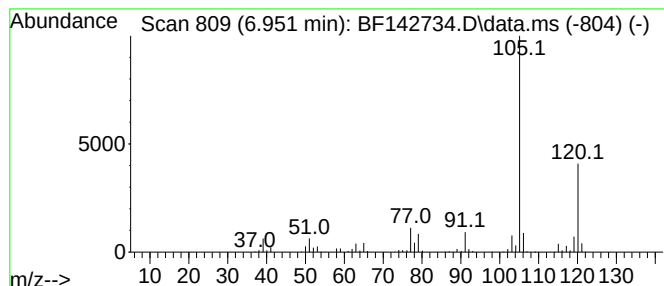
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Benzene, 1-ethyl-3-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.951	76.18 ng	1380990	1,4-Dichlorobenzene-d4	6.893

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Mesitylene	120	C9H12	000108-67-8	93
2			Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	93
3			Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
4			Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
5			Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142734.D
Acq On : 11 Jun 2025 14:50
Operator : RC/JU
Sample : Q2268-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-2-20250605

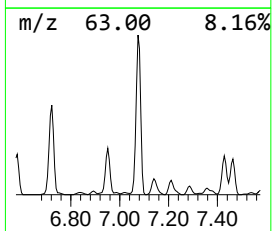
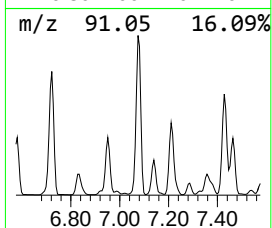
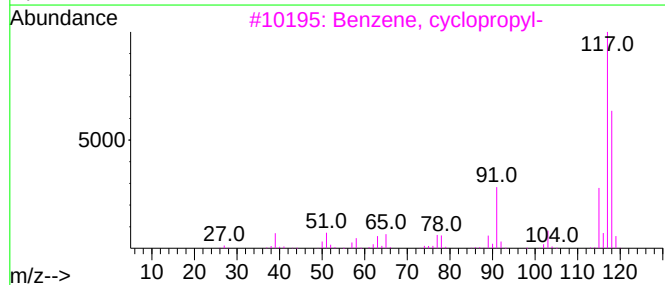
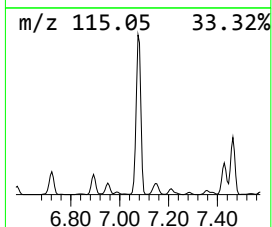
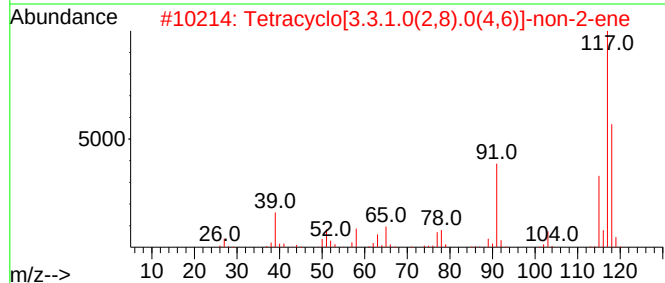
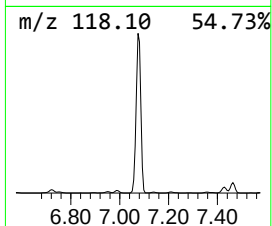
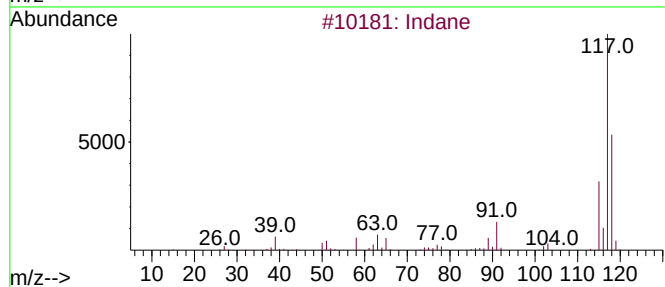
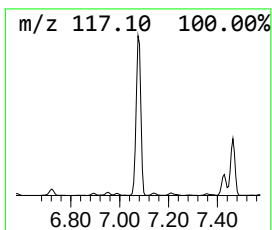
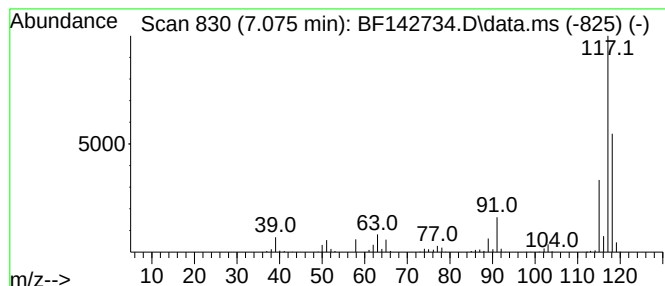
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Tetracyclo[3.3.1.0(2,8).0(4... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.075	144.61 ng	2621320	1,4-Dichlorobenzene-d4	6.893

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Indane	118	C9H10	000496-11-7	93
2		Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	80
3		Benzene, cyclopropyl-	118	C9H10	000873-49-4	64
4		Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	60
5		Benzene, 1-propenyl-	118	C9H10	000637-50-3	53



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142734.D
Acq On : 11 Jun 2025 14:50
Operator : RC/JU
Sample : Q2268-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-2-20250605

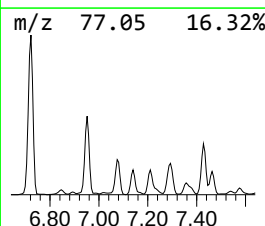
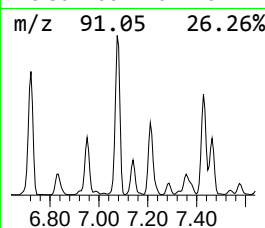
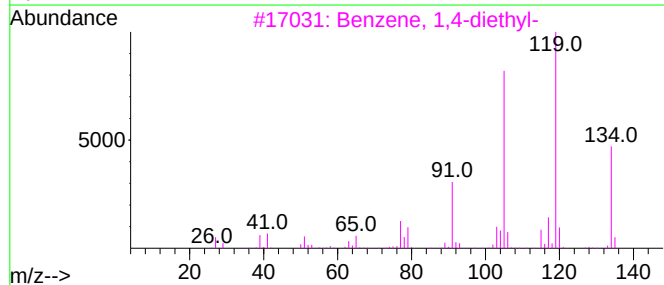
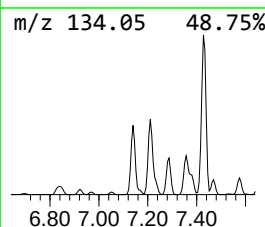
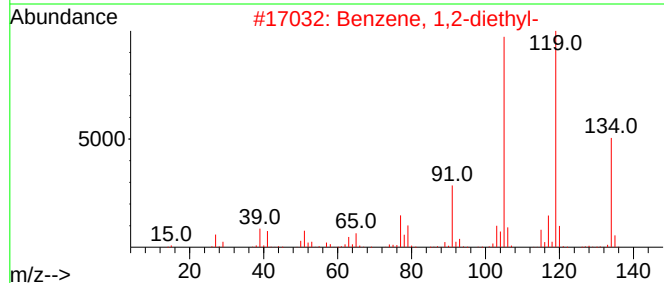
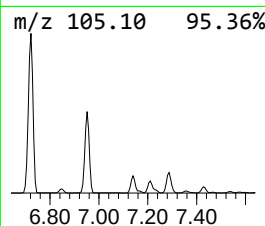
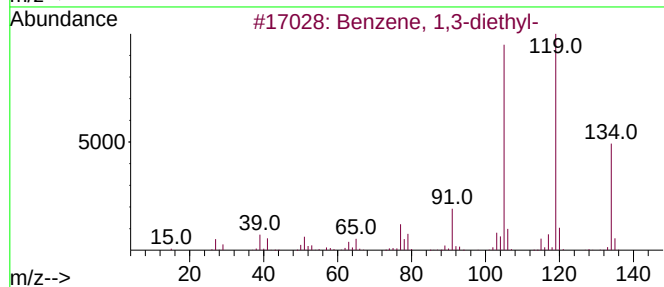
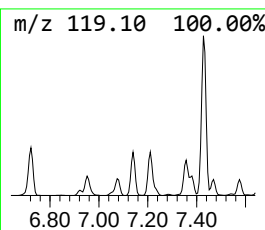
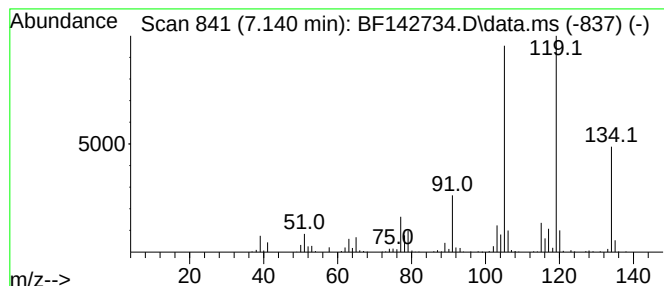
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Benzene, 1,3-diethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.140	28.64 ng	519139	1,4-Dichlorobenzene-d4	6.893

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	97
2			Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	97
3			Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	95
4			Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
5			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142734.D
Acq On : 11 Jun 2025 14:50
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Instrument :
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ClientSampleId :
MW-2-20250605

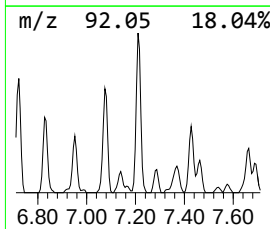
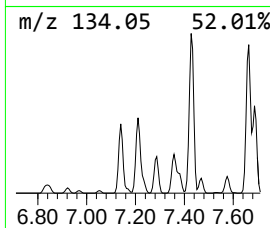
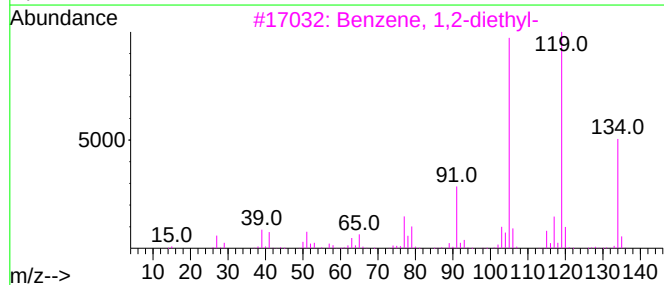
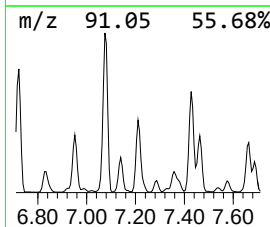
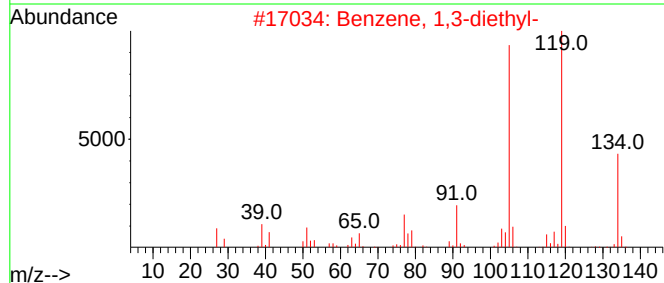
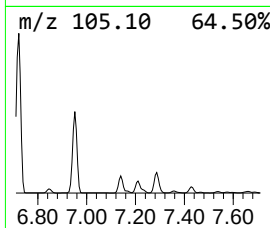
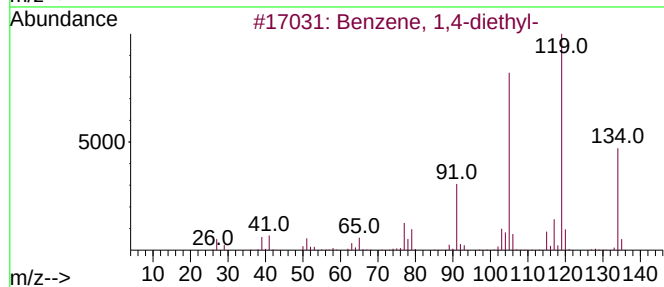
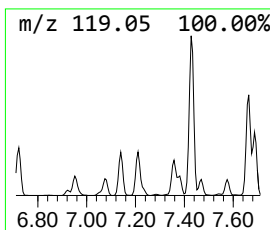
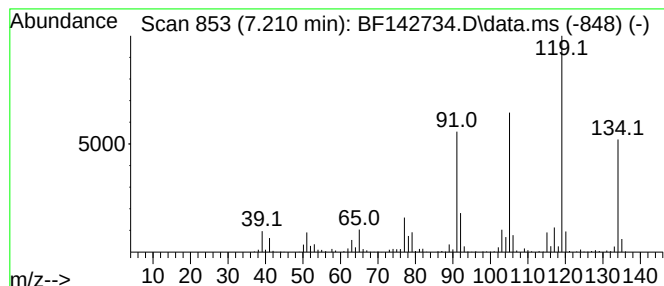
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Benzene, 1,4-diethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.210	34.36 ng	622819	1,4-Dichlorobenzene-d4	6.893

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	95
2			Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	95
3			Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	95
4			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
5			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142734.D
Acq On : 11 Jun 2025 14:50
Operator : RC/JU
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Misc :
ALS Vial : 13 Sample Multiplier: 1

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ClientSampleId :
MW-2-20250605

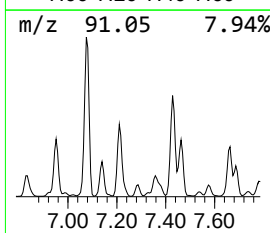
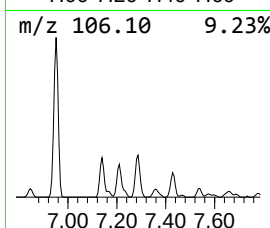
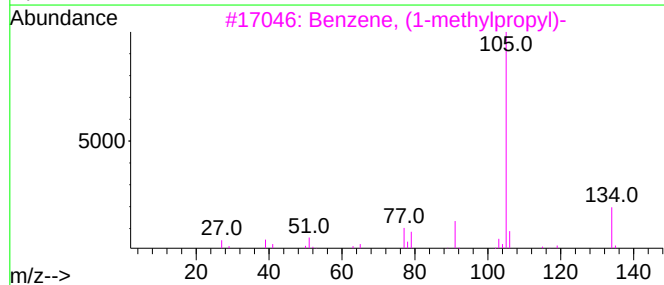
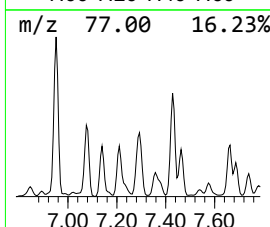
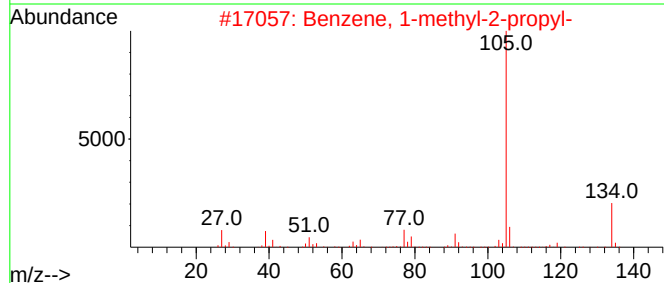
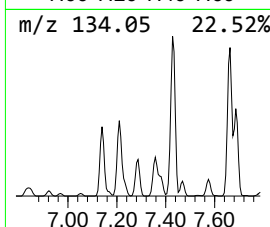
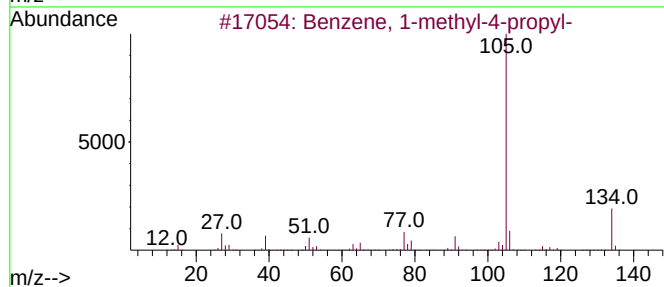
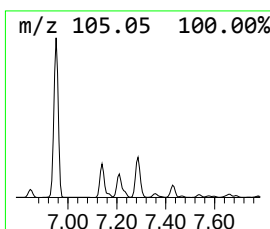
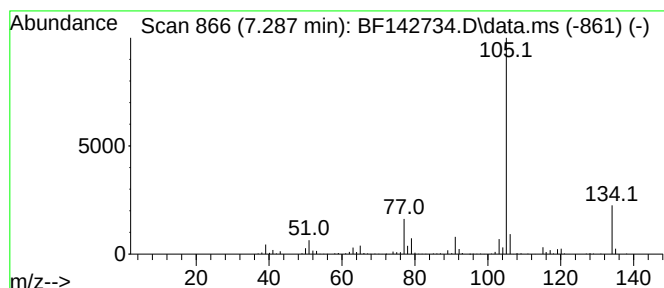
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Benzene, 1-methyl-4-propyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.287	17.89 ng	324276	1,4-Dichlorobenzene-d4	6.893

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	94
2			Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	91
3			Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	91
4			2-Tolyloxirane	134	C9H10O	002783-26-8	87
5			Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	74



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142734.D
Acq On : 11 Jun 2025 14:50
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Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
MW-2-20250605

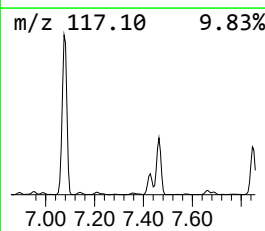
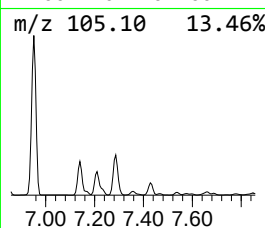
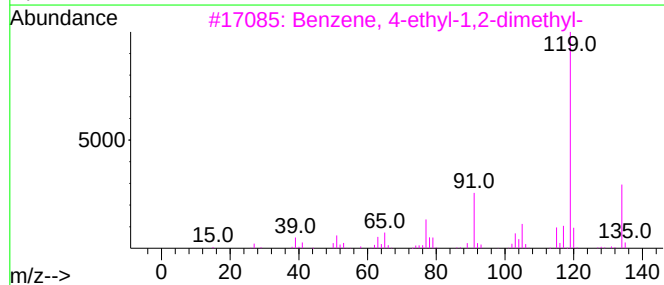
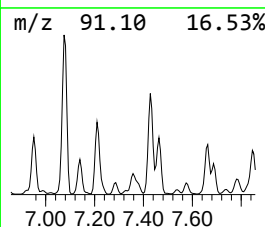
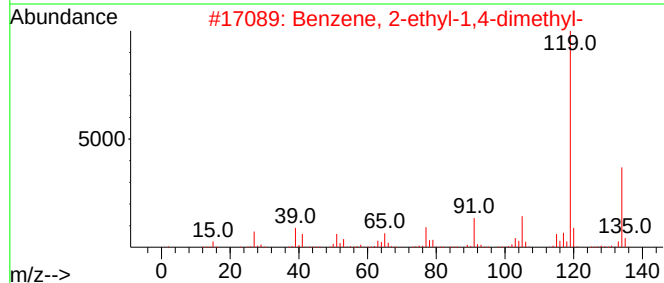
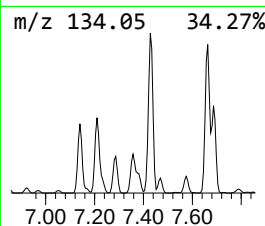
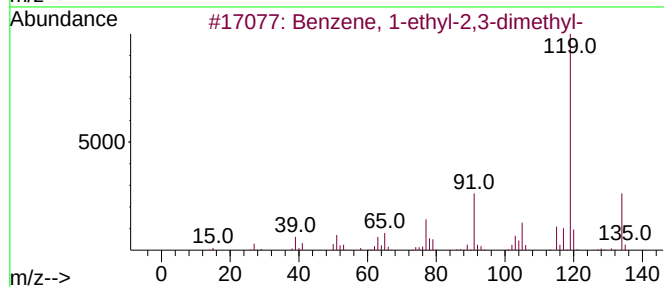
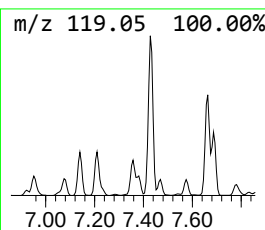
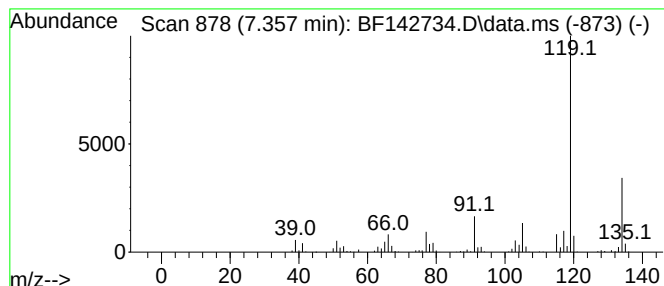
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.357	21.59 ng	391429	1,4-Dichlorobenzene-d4	6.893

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
2			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
3			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
4			o-Cymene	134	C10H14	000527-84-4	91
5			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142734.D
Acq On : 11 Jun 2025 14:50
Operator : RC/JU
Sample : Q2268-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-2-20250605

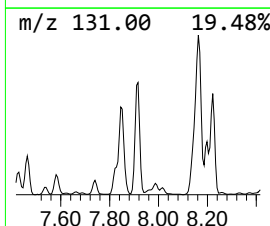
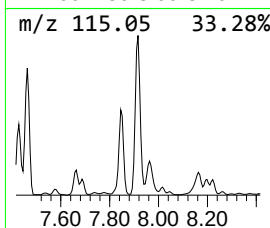
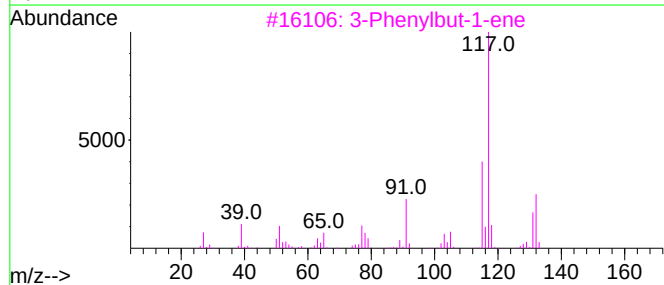
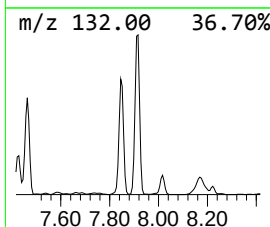
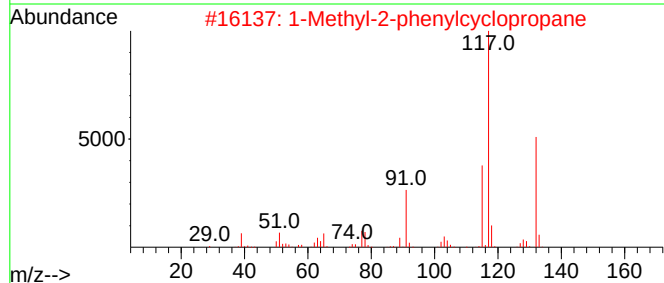
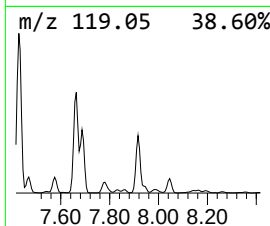
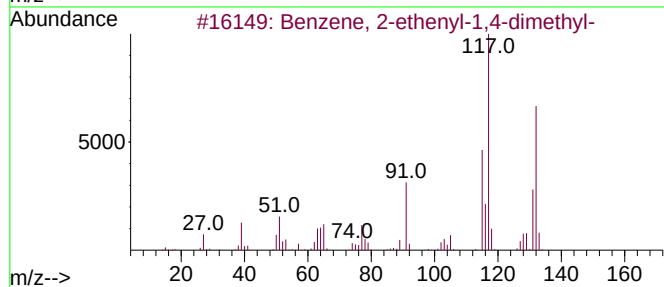
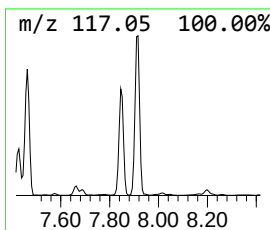
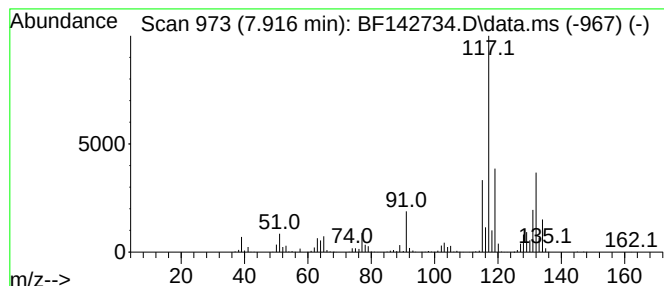
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.916	10.73 ng	2073380	Naphthalene-d8	8.181

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	91
2			1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	90
3			3-Phenylbut-1-ene	132	C10H12	000934-10-1	76
4			Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	70
5			1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	70



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142734.D
Acq On : 11 Jun 2025 14:50
Operator : RC/JU
Sample : Q2268-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-2-20250605

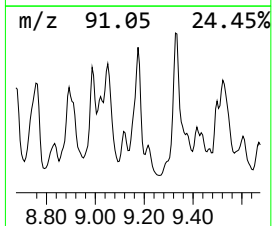
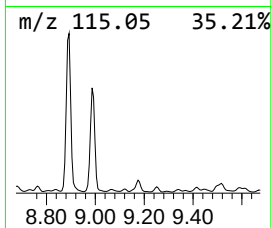
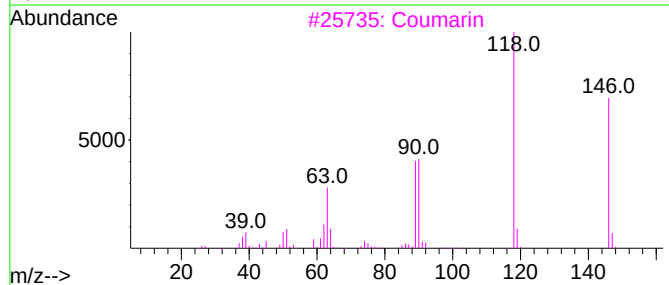
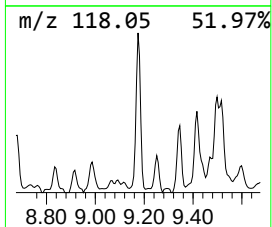
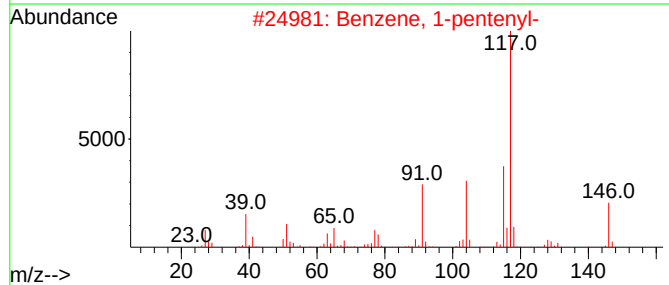
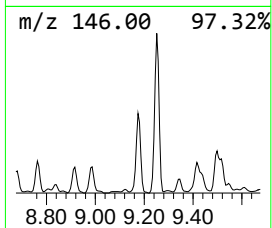
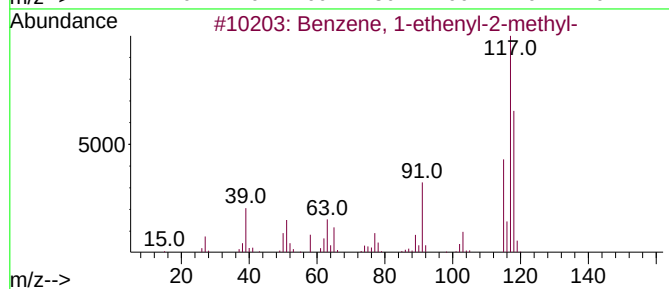
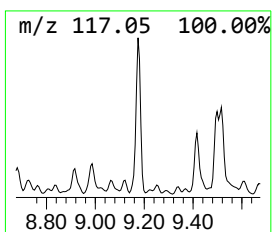
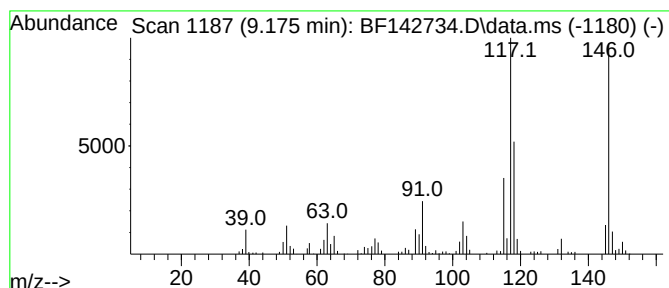
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Benzene, 1-ethenyl-2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.175	8.02 ng	193580	Acenaphthene-d10	9.934

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	64
2			Benzene, 1-pentenyl-	146	C11H14	000826-18-6	62
3			Coumarin	146	C9H6O2	000091-64-5	55
4			Benzene, cyclopropyl-	118	C9H10	000873-49-4	50
5			2(1H)-Quinoxalinone	146	C8H6N2O	001196-57-2	50



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142734.D
Acq On : 11 Jun 2025 14:50
Operator : RC/JU
Sample : Q2268-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

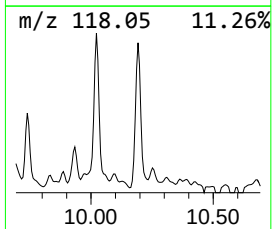
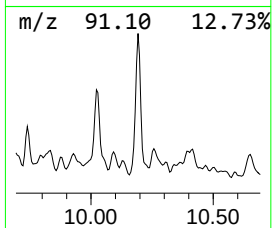
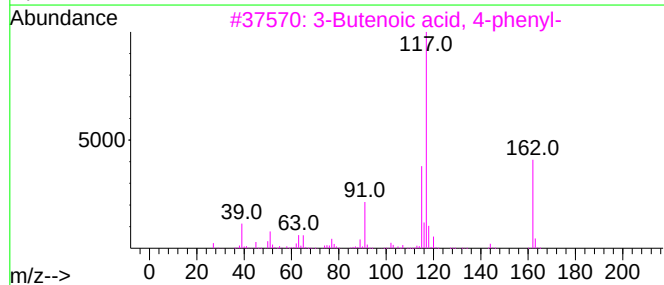
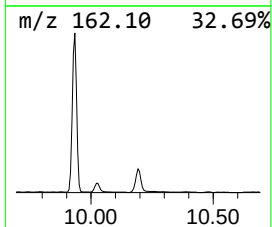
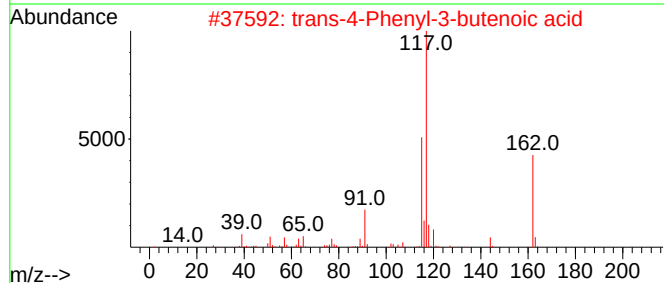
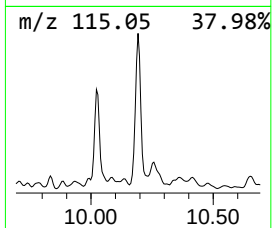
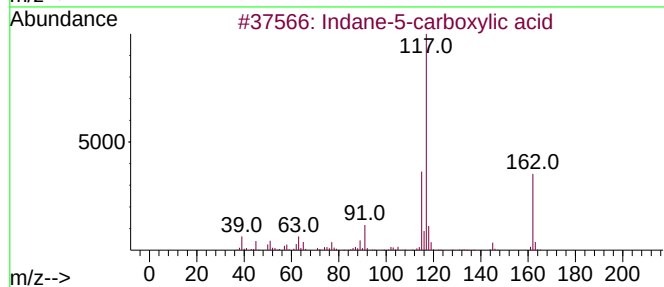
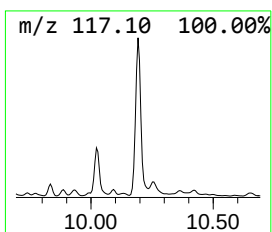
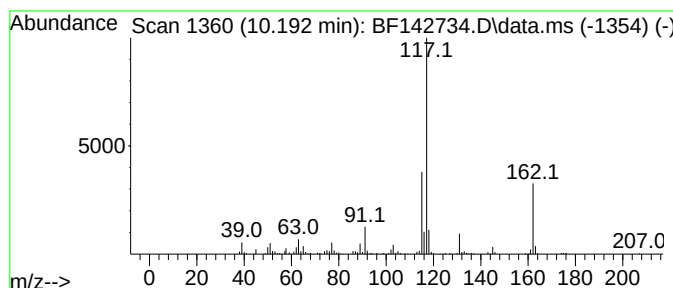
Instrument :
BNA_F
ClientSampleId :
MW-2-20250605

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Indane-5-carboxylic acid Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD		R.T.	
10.192	9.56 ng	230606	Acenaphthene-d10		9.934	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Indane-5-carboxylic acid		162	C10H10O2	065898-38-6	93
2	trans-4-Phenyl-3-butenic acid		162	C10H10O2	001914-58-5	90
3	3-Butenoic acid, 4-phenyl-		162	C10H10O2	002243-53-0	87
4	1H-Indene, 1-ethyl-2,3-dihydro-		146	C11H14	004830-99-3	59
5	trans-Cinnamyl bromide		196	C9H9Br	026146-77-0	59



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142734.D
Acq On : 11 Jun 2025 14:50
Operator : RC/JU
Sample : Q2268-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

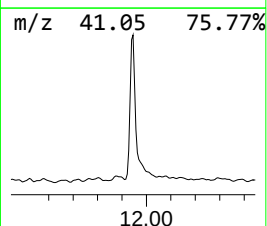
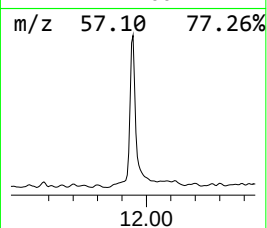
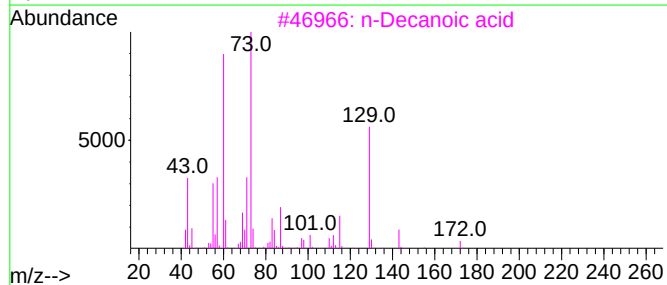
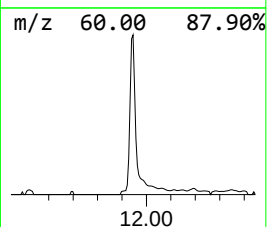
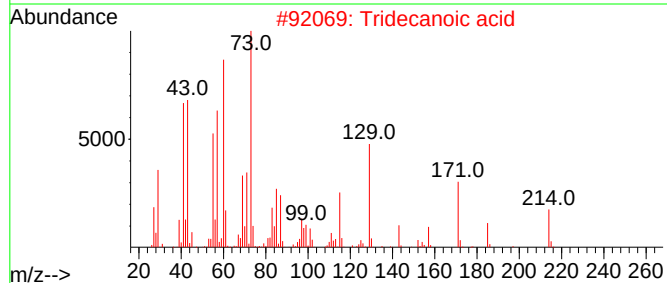
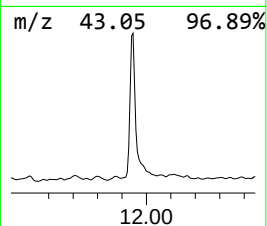
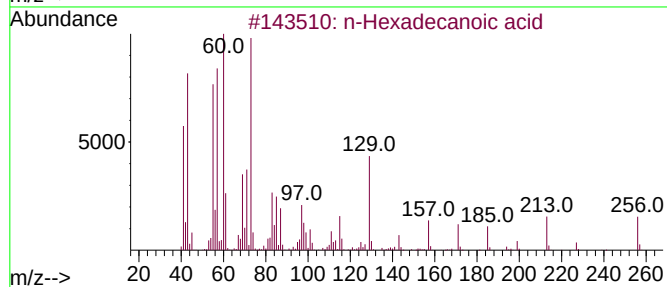
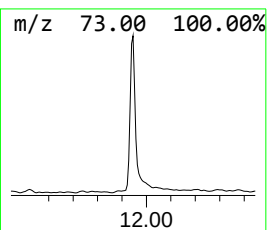
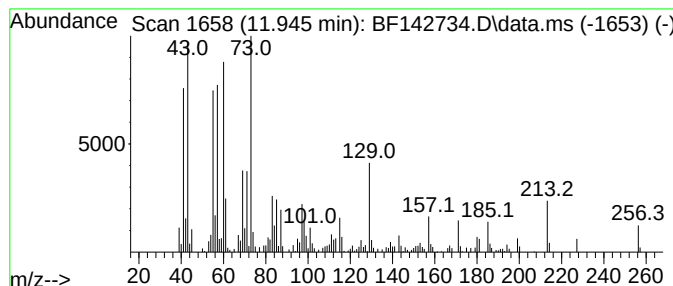
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ClientSampleId :
MW-2-20250605

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 n-Hexadecanoic acid Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.945	8.95 ng	202488	Phenanthrene-d10		11.422	
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	95
3	n-Decanoic acid		172	C10H20O2	000334-48-5	91
4	Pentadecanoic acid		242	C15H30O2	001002-84-2	87
5	Tetradecanoic acid		228	C14H28O2	000544-63-8	74



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142734.D
Acq On : 11 Jun 2025 14:50
Operator : RC/JU
Sample : Q2268-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

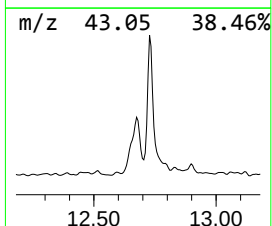
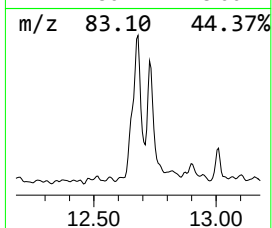
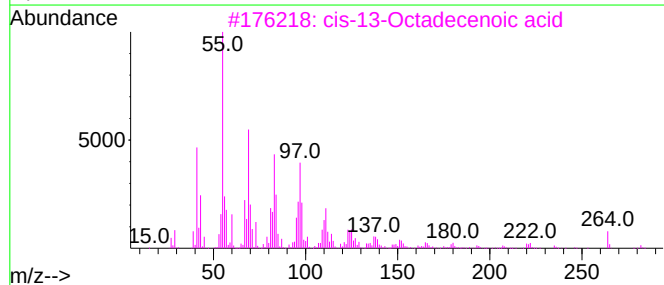
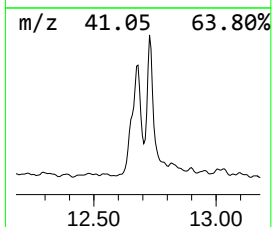
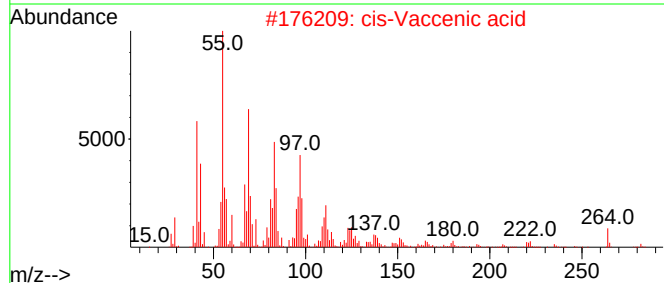
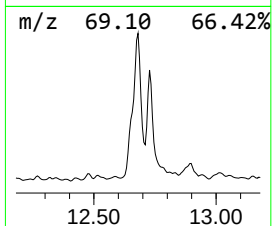
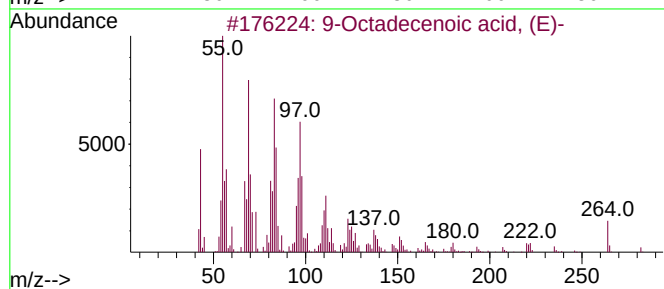
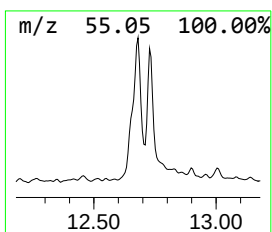
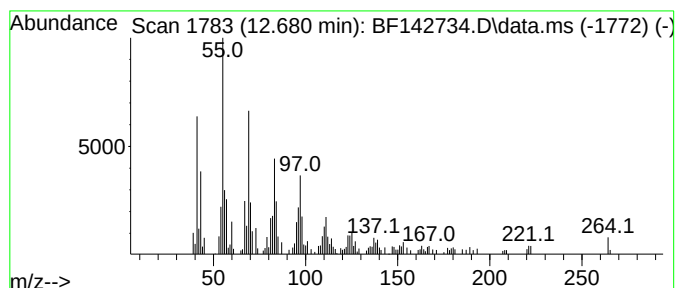
Instrument :
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ClientSampleId :
MW-2-20250605

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 9-Octadecenoic acid, (E)- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.680	7.97 ng	180276	Phenanthrene-d10	11.422	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenoic acid, (E)-	282	C18H34O2	000112-79-8	95
2	cis-Vaccenic acid	282	C18H34O2	000506-17-2	93
3	cis-13-Octadecenoic acid	282	C18H34O2	013126-39-1	93
4	(E)-Hexadec-9-enoic acid	254	C16H30O2	010030-73-6	93
5	trans-13-Octadecenoic acid	282	C18H34O2	000693-71-0	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142734.D
Acq On : 11 Jun 2025 14:50
Operator : RC/JU
Sample : Q2268-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-2-20250605

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.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
2-Hexene, 3-met...	2.569	14.1	ng	254701	1	6.893	362548	20.0
Cyclopentene, 4...	3.681	8.7	ng	157268	1	6.893	362548	20.0
Cyclopentene, 1...	4.663	11.3	ng	204404	1	6.893	362548	20.0
Benzene, 1,3-di...	5.387	178.1	ng	3228420	1	6.893	362548	20.0
Benzene, (1-met...	6.063	23.5	ng	426590	1	6.893	362548	20.0
N-Isobutyl(phen...	6.351	41.7	ng	756143	1	6.893	362548	20.0
Benzene, 1-ethy...	6.581	57.0	ng	1033410	1	6.893	362548	20.0
Benzene, 1,2,3-...	6.722	159.0	ng	2881560	1	6.893	362548	20.0
Benzene, 1-ethy...	6.951	76.2	ng	1380990	1	6.893	362548	20.0
Tetracyclo[3.3....	7.075	144.6	ng	2621320	1	6.893	362548	20.0
Benzene, 1,3-di...	7.140	28.6	ng	519139	1	6.893	362548	20.0
Benzene, 1,4-di...	7.210	34.4	ng	622819	1	6.893	362548	20.0
Benzene, 1-meth...	7.287	17.9	ng	324276	1	6.893	362548	20.0
Benzene, 1-ethy...	7.357	21.6	ng	391429	1	6.893	362548	20.0
Benzene, 2-ethe...	7.916	10.7	ng	2073380	2	8.181	3865820	20.0
Benzene, 1-ethe...	9.175	8.0	ng	193580	3	9.934	482449	20.0
Indane-5-carbox...	10.192	9.6	ng	230606	3	9.934	482449	20.0
n-Hexadecanoic ...	11.945	8.9	ng	202488	4	11.422	452518	20.0
9-Octadecenoic ...	12.680	8.0	ng	180276	4	11.422	452518	20.0

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	06/05/25
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	06/06/25
Client Sample ID:	MW-2-20250605DL	SDG No.:	Q2268
Lab Sample ID:	Q2268-03DL	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142744.D	2	06/10/25 08:10	06/11/25 19:48	PB168376

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	8.10	UD	8.10	20.8	ug/L
108-95-2	Phenol	1.90	UD	1.90	10.4	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.70	UD	1.70	10.4	ug/L
95-57-8	2-Chlorophenol	1.20	UD	1.20	10.4	ug/L
95-48-7	2-Methylphenol	2.30	UD	2.30	10.4	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	2.70	UD	2.70	10.4	ug/L
98-86-2	Acetophenone	1.50	UD	1.50	10.4	ug/L
65794-96-9	3+4-Methylphenols	2.30	UD	2.30	20.8	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2.90	UD	2.90	5.20	ug/L
67-72-1	Hexachloroethane	1.40	UD	1.40	10.4	ug/L
98-95-3	Nitrobenzene	1.60	UD	1.60	10.4	ug/L
78-59-1	Isophorone	1.60	UD	1.60	10.4	ug/L
88-75-5	2-Nitrophenol	3.70	UD	3.70	10.4	ug/L
105-67-9	2,4-Dimethylphenol	4.30	JD	3.90	10.4	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1.40	UD	1.40	10.4	ug/L
120-83-2	2,4-Dichlorophenol	1.10	UD	1.10	10.4	ug/L
91-20-3	Naphthalene	150	D	1.00	10.4	ug/L
106-47-8	4-Chloroaniline	1.80	UD	1.80	10.4	ug/L
87-68-3	Hexachlorobutadiene	1.10	UD	1.10	10.4	ug/L
105-60-2	Caprolactam	2.40	UD	2.40	20.8	ug/L
59-50-7	4-Chloro-3-methylphenol	1.20	UD	1.20	10.4	ug/L
91-57-6	2-Methylnaphthalene	52.4	D	1.20	10.4	ug/L
77-47-4	Hexachlorocyclopentadiene	7.60	UD	7.60	20.8	ug/L
88-06-2	2,4,6-Trichlorophenol	1.10	UD	1.10	10.4	ug/L
95-95-4	2,4,5-Trichlorophenol	1.30	UD	1.30	10.4	ug/L
92-52-4	1,1-Biphenyl	1.10	UD	1.10	10.4	ug/L
91-58-7	2-Chloronaphthalene	1.30	UD	1.30	10.4	ug/L
88-74-4	2-Nitroaniline	2.60	UD	2.60	10.4	ug/L
131-11-3	Dimethylphthalate	1.30	UD	1.30	10.4	ug/L

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	06/05/25
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	06/06/25
Client Sample ID:	MW-2-20250605DL	SDG No.:	Q2268
Lab Sample ID:	Q2268-03DL	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142744.D	2	06/10/25 08:10	06/11/25 19:48	PB168376

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	1.60	UD	1.60	10.4	ug/L
606-20-2	2,6-Dinitrotoluene	1.90	UD	1.90	10.4	ug/L
99-09-2	3-Nitroaniline	2.20	UD	2.20	10.4	ug/L
83-32-9	Acenaphthene	1.10	UD	1.10	10.4	ug/L
51-28-5	2,4-Dinitrophenol	12.4	UD	12.4	20.8	ug/L
100-02-7	4-Nitrophenol	5.00	UD	5.00	20.8	ug/L
132-64-9	Dibenzofuran	1.30	UD	1.30	10.4	ug/L
121-14-2	2,4-Dinitrotoluene	2.50	UD	2.50	10.4	ug/L
84-66-2	Diethylphthalate	1.40	UD	1.40	10.4	ug/L
7005-72-3	4-Chlorophenyl-phenylether	1.40	UD	1.40	10.4	ug/L
86-73-7	Fluorene	1.30	UD	1.30	10.4	ug/L
100-01-6	4-Nitroaniline	3.10	UD	3.10	10.4	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	6.00	UD	6.00	20.8	ug/L
86-30-6	n-Nitrosodiphenylamine	1.20	UD	1.20	10.4	ug/L
101-55-3	4-Bromophenyl-phenylether	0.83	UD	0.83	10.4	ug/L
118-74-1	Hexachlorobenzene	1.10	UD	1.10	10.4	ug/L
1912-24-9	Atrazine	2.10	UD	2.10	10.4	ug/L
87-86-5	Pentachlorophenol	3.30	UD	3.30	20.8	ug/L
85-01-8	Phenanthrene	1.00	UD	1.00	10.4	ug/L
120-12-7	Anthracene	1.30	UD	1.30	10.4	ug/L
86-74-8	Carbazole	1.50	UD	1.50	10.4	ug/L
84-74-2	Di-n-butylphthalate	2.50	UD	2.50	10.4	ug/L
206-44-0	Fluoranthene	1.70	UD	1.70	10.4	ug/L
129-00-0	Pyrene	1.00	UD	1.00	10.4	ug/L
85-68-7	Butylbenzylphthalate	4.00	UD	4.00	10.4	ug/L
91-94-1	3,3-Dichlorobenzidine	1.90	UD	1.90	20.8	ug/L
56-55-3	Benzo(a)anthracene	0.94	UD	0.94	10.4	ug/L
218-01-9	Chrysene	0.92	UD	0.92	10.4	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	3.30	UD	3.30	10.4	ug/L
117-84-0	Di-n-octyl phthalate	4.90	UD	4.90	20.8	ug/L
205-99-2	Benzo(b)fluoranthene	1.00	UD	1.00	10.4	ug/L

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.		Date Collected:	06/05/25	
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05		Date Received:	06/06/25	
Client Sample ID:	MW-2-20250605DL		SDG No.:	Q2268	
Lab Sample ID:	Q2268-03DL		Matrix:	Water	
Analytical Method:	8270E		% Solid:	0	
Sample Wt/Vol:	960	Units: mL	Final Vol:	1000	uL
Soil Aliquot Vol:		uL	Test:	SVOCMS Group1	
Extraction Type :		Decanted : N	Level :	LOW	
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N	PH :
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142744.D	2	06/10/25 08:10	06/11/25 19:48	PB168376

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	1.00	UD	1.00	10.4	ug/L
50-32-8	Benzo(a)pyrene	1.10	UD	1.10	10.4	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1.20	UD	1.20	10.4	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.40	UD	1.40	10.4	ug/L
191-24-2	Benzo(g,h,i)perylene	1.40	UD	1.40	10.4	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.10	UD	1.10	10.4	ug/L
123-91-1	1,4-Dioxane	2.10	UD	2.10	10.4	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	1.50	UD	1.50	10.4	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	65.1		23 - 138	43%	SPK: 150
13127-88-3	Phenol-d6	56.7		10 - 134	38%	SPK: 150
4165-60-0	Nitrobenzene-d5	89.4		67 - 132	89%	SPK: 100
321-60-8	2-Fluorobiphenyl	93.6		52 - 132	94%	SPK: 100
118-79-6	2,4,6-Tribromophenol	131		44 - 137	87%	SPK: 150
1718-51-0	Terphenyl-d14	67.9		42 - 152	68%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	55100	6.892			
1146-65-2	Naphthalene-d8	199000	8.175			
15067-26-2	Acenaphthene-d10	101000	9.927			
1517-22-2	Phenanthrene-d10	158000	11.421			
1719-03-5	Chrysene-d12	135000	14.062			
1520-96-3	Perylene-d12	151000	15.556			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
 Data File : BF142744.D
 Acq On : 11 Jun 2025 19:48
 Operator : RC/JU
 Sample : Q2268-03DL 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-2-20250605DL

Quant Time: Jun 12 01:48:28 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 11 05:56:09 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

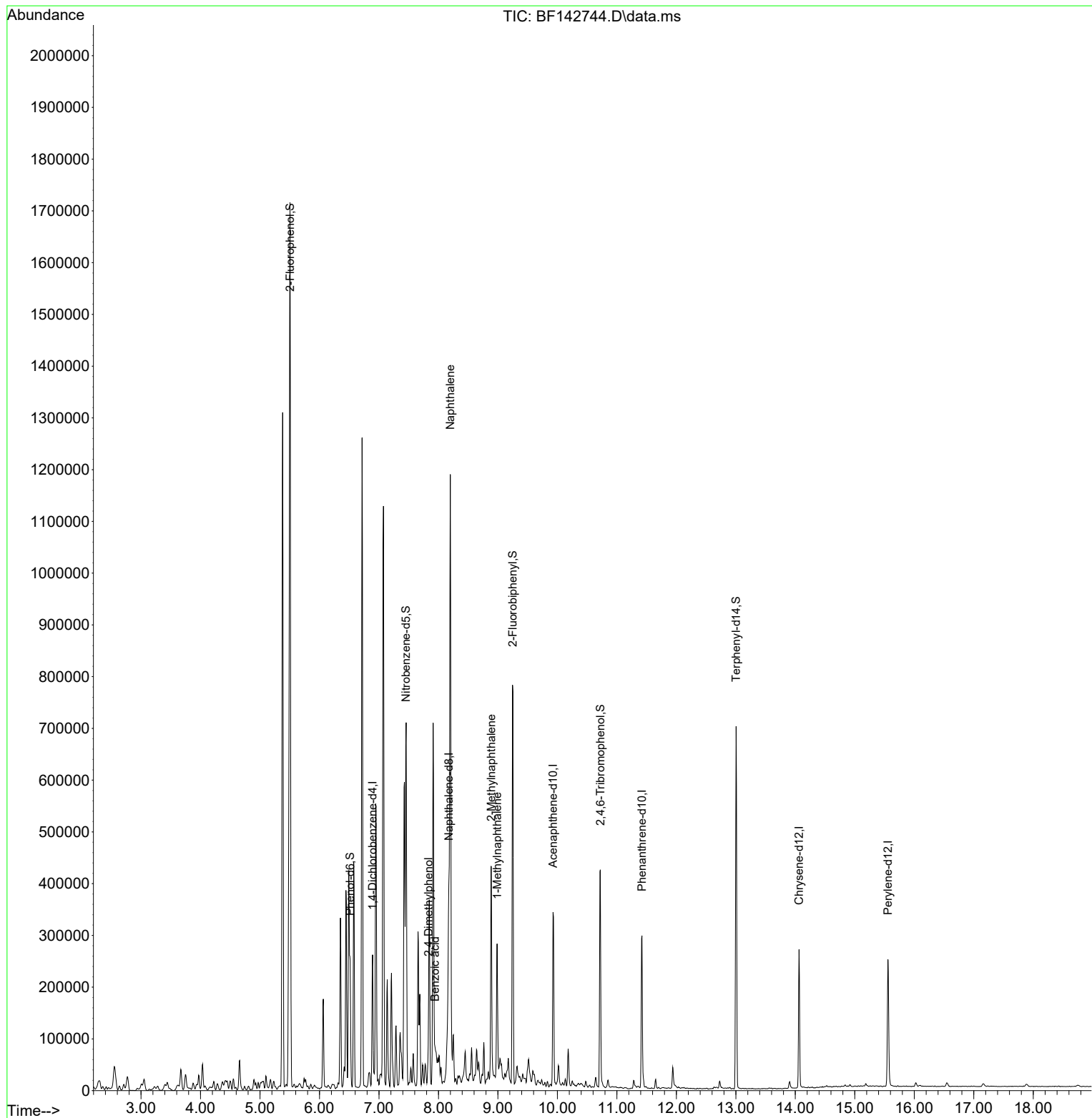
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	55149	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	198571	20.000	ng	0.00
39) Acenaphthene-d10	9.927	164	101254	20.000	ng	-0.01
64) Phenanthrene-d10	11.421	188	157521	20.000	ng	0.00
76) Chrysene-d12	14.062	240	134877	20.000	ng	0.00
86) Perylene-d12	15.556	264	150814	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	105327	32.528	ng	0.00
7) Phenol-d6	6.516	99	107941	28.326	ng	0.00
23) Nitrobenzene-d5	7.451	82	162127	44.683	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	72772	65.576	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	356619	46.792	ng	0.00
79) Terphenyl-d14	13.004	244	333276	33.937	ng	0.00
Target Compounds						
27) 2,4-Dimethylphenol	7.833	122	6370	2.082	ng	Qvalue 95
31) Naphthalene	8.198	128	693071	70.573	ng	99
32) Benzoic acid	7.939	122	8708	5.053	ng	# 72
37) 2-Methylnaphthalene	8.886	142	156413	25.163	ng	99
38) 1-Methylnaphthalene	8.986	142	86959	13.504	ng	100

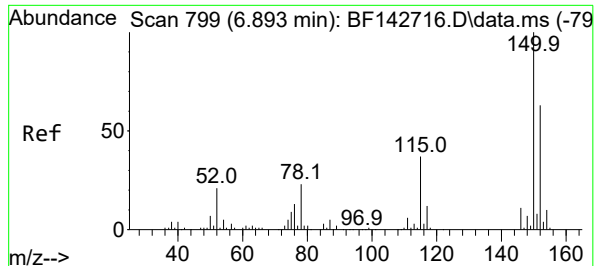
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142744.D
Acq On : 11 Jun 2025 19:48
Operator : RC/JU
Sample : Q2268-03DL 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-2-20250605DL

Quant Time: Jun 12 01:48:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 11 05:56:09 2025
Response via : Initial Calibration

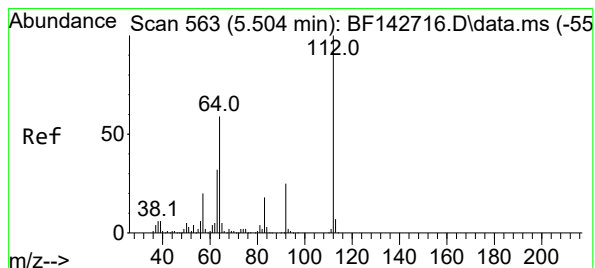
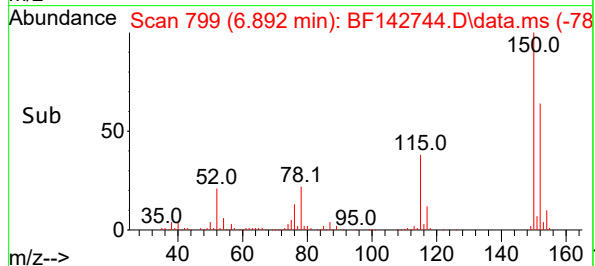
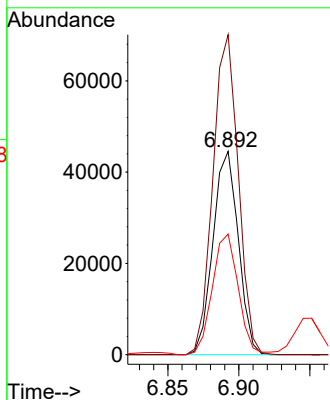
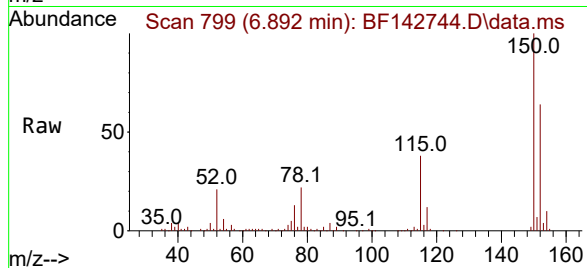




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 799
Delta R.T. -0.001 min
Lab File: BF142744.D
Acq: 11 Jun 2025 19:48

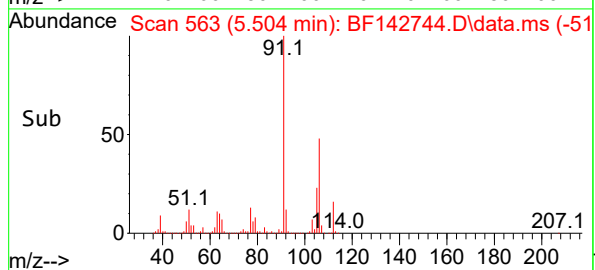
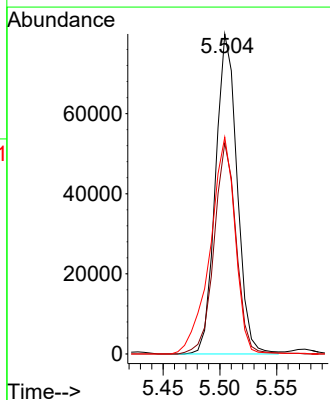
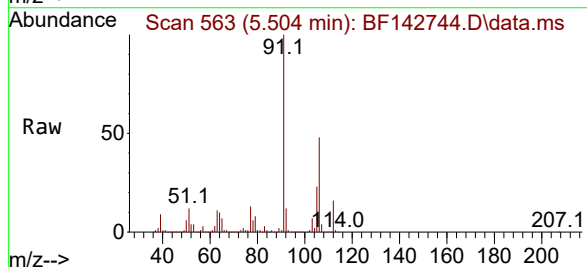
Instrument :
BNA_F
ClientSampleId :
MW-2-20250605DL

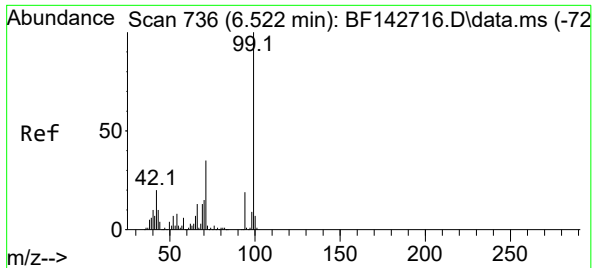
Tgt Ion:152 Resp: 55149
Ion Ratio Lower Upper
152 100
150 157.4 126.9 190.3
115 59.3 47.0 70.6



#5
2-Fluorophenol
Concen: 32.528 ng
RT: 5.504 min Scan# 563
Delta R.T. 0.000 min
Lab File: BF142744.D
Acq: 11 Jun 2025 19:48

Tgt Ion:112 Resp: 105327
Ion Ratio Lower Upper
112 100
64 65.9 47.4 71.2
63 67.7 25.4 38.0#

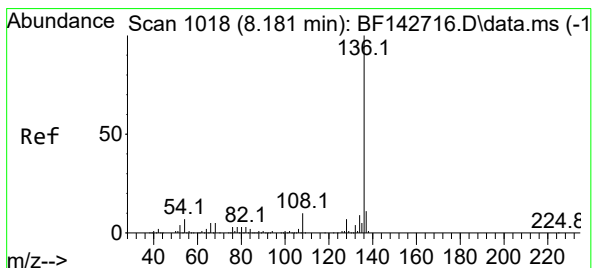
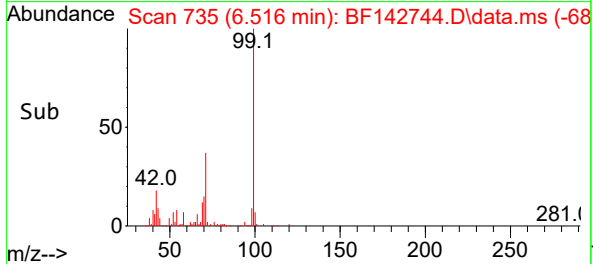
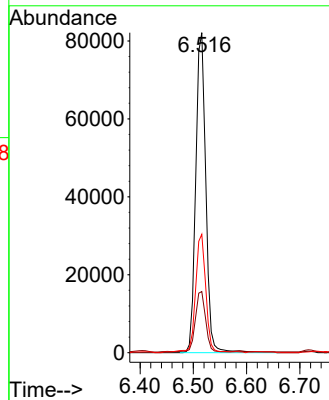
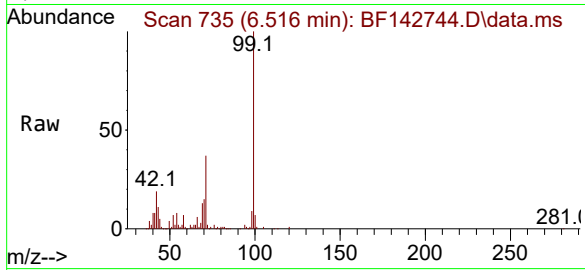




#7
Phenol-d6
Concen: 28.326 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142744.D
Acq: 11 Jun 2025 19:48

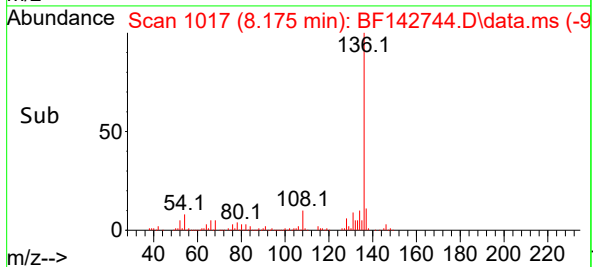
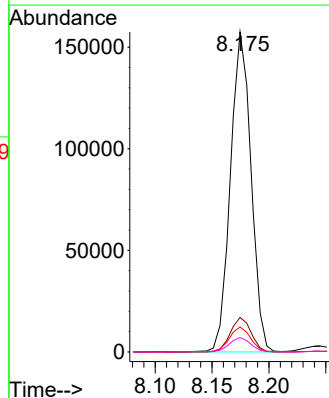
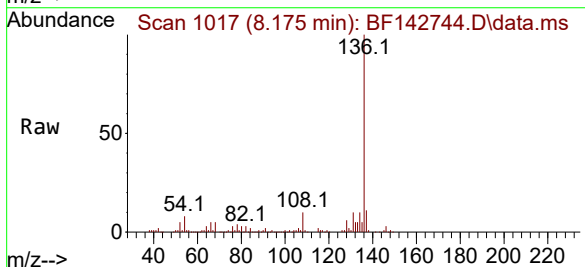
Instrument :
BNA_F
ClientSampleId :
MW-2-20250605DL

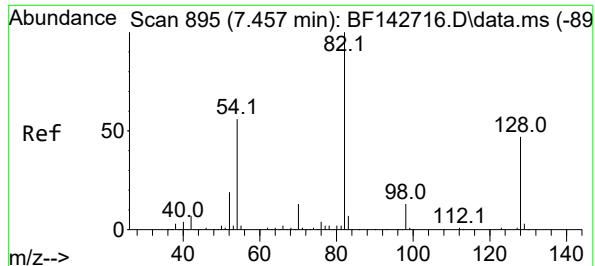
Tgt Ion: 99 Resp: 107941
Ion Ratio Lower Upper
99 100
42 19.1 15.9 23.9
71 37.0 28.0 42.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF142744.D
Acq: 11 Jun 2025 19:48

Tgt Ion: 136 Resp: 198571
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 7.8 5.9 8.9
68 4.5 3.7 5.5

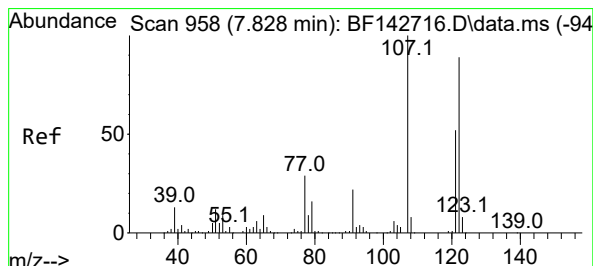
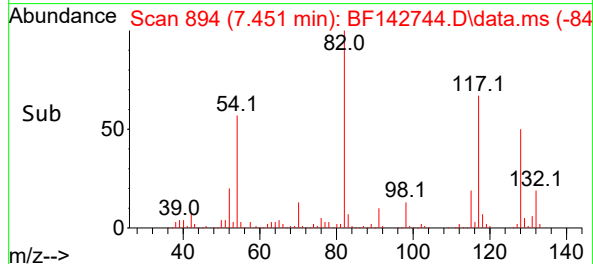
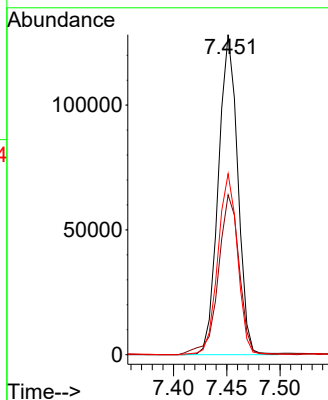
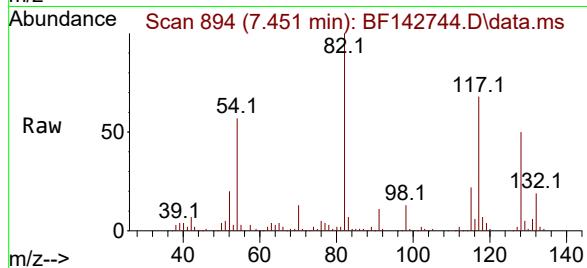




#23
Nitrobenzene-d5
Concen: 44.683 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.006 min
Lab File: BF142744.D
Acq: 11 Jun 2025 19:48

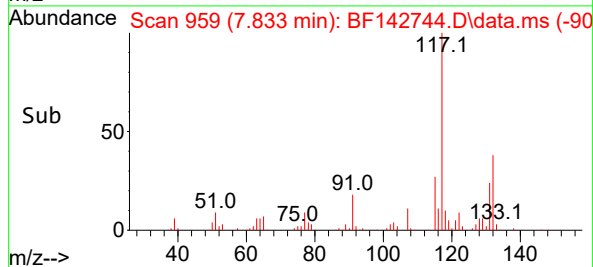
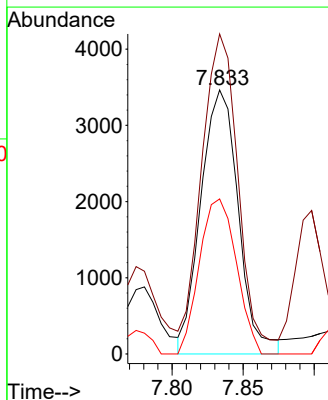
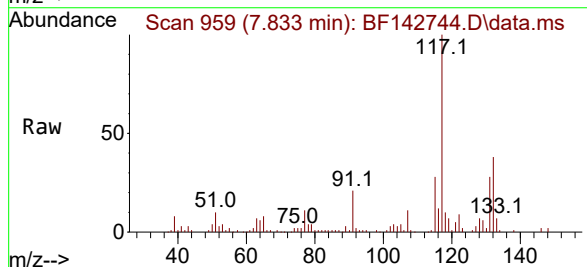
Instrument :
BNA_F
ClientSampleId :
MW-2-20250605DL

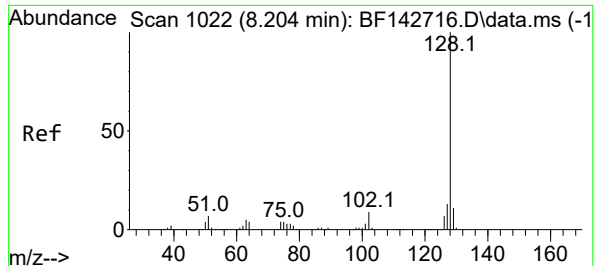
Tgt Ion: 82 Resp: 162127
Ion Ratio Lower Upper
82 100
128 50.0 37.8 56.8
54 56.6 44.9 67.3



#27
2,4-Dimethylphenol
Concen: 2.082 ng
RT: 7.833 min Scan# 959
Delta R.T. 0.006 min
Lab File: BF142744.D
Acq: 11 Jun 2025 19:48

Tgt Ion: 122 Resp: 6370
Ion Ratio Lower Upper
122 100
107 121.2 90.4 135.6
121 58.7 46.9 70.3





#31

Naphthalene

Concen: 70.573 ng

RT: 8.198 min Scan# 1022

Delta R.T. -0.006 min

Lab File: BF142744.D

Acq: 11 Jun 2025 19:48

Instrument :

BNA_F

ClientSampleId :

MW-2-20250605DL

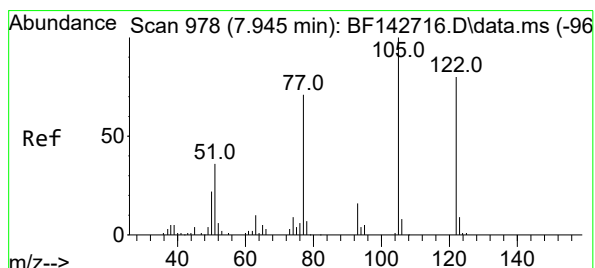
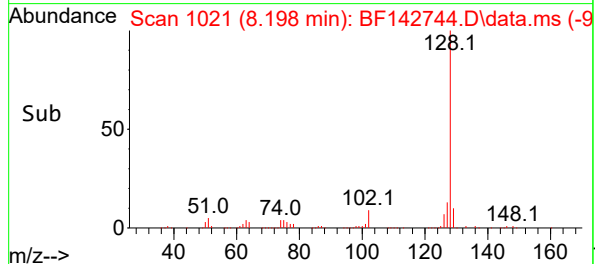
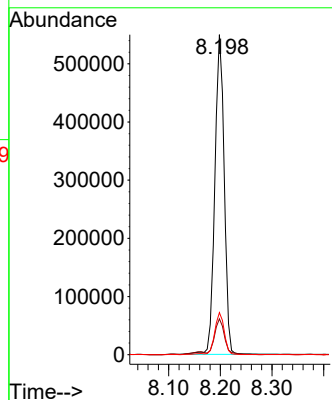
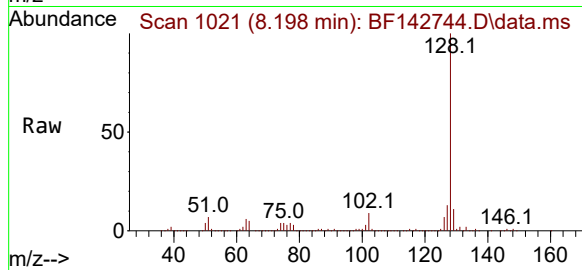
Tgt Ion:128 Resp: 693071

Ion Ratio Lower Upper

128 100

129 11.2 8.7 13.1

127 13.2 10.4 15.6



#32

Benzoic acid

Concen: 5.053 ng

RT: 7.939 min Scan# 977

Delta R.T. -0.006 min

Lab File: BF142744.D

Acq: 11 Jun 2025 19:48

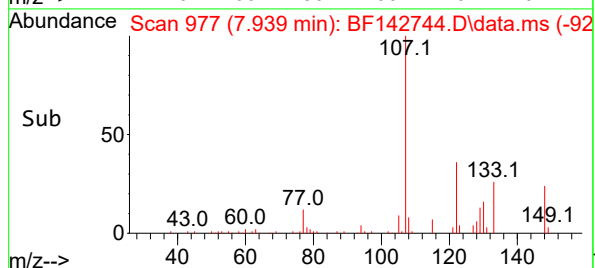
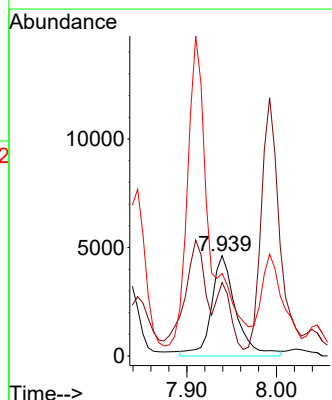
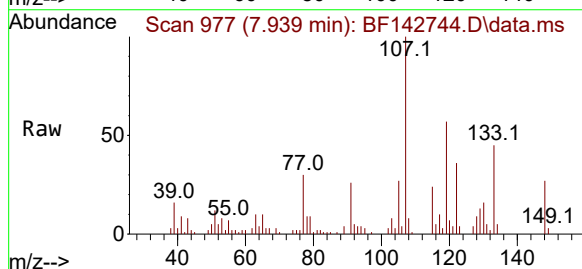
Tgt Ion:122 Resp: 8708

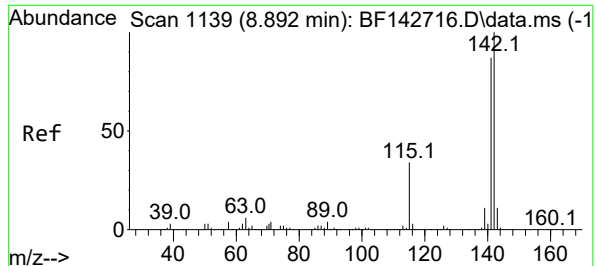
Ion Ratio Lower Upper

122 100

105 73.2 102.6 142.6#

77 82.1 68.2 108.2





#37

2-Methylnaphthalene

Concen: 25.163 ng

RT: 8.886 min Scan# 1138

Delta R.T. -0.006 min

Lab File: BF142744.D

Acq: 11 Jun 2025 19:48

Instrument :

BNA_F

ClientSampleId :

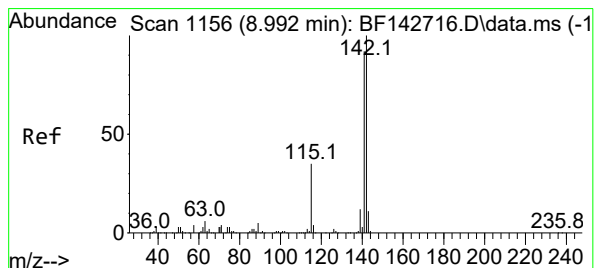
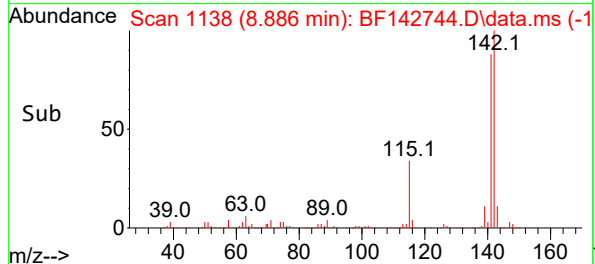
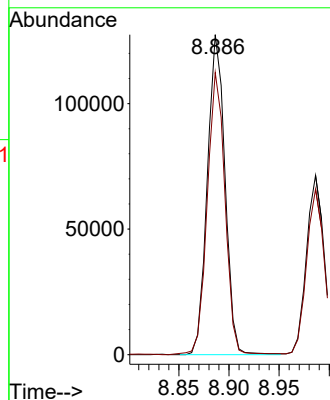
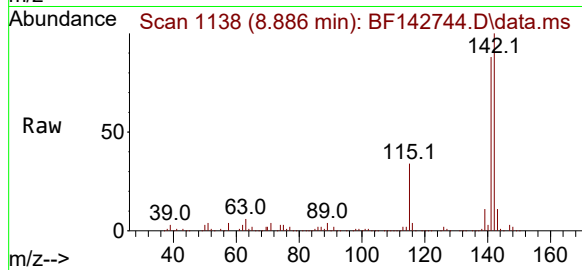
MW-2-20250605DL

Tgt Ion:142 Resp: 156413

Ion Ratio Lower Upper

142 100

141 88.1 69.9 104.9



#38

1-Methylnaphthalene

Concen: 13.504 ng

RT: 8.986 min Scan# 1155

Delta R.T. -0.006 min

Lab File: BF142744.D

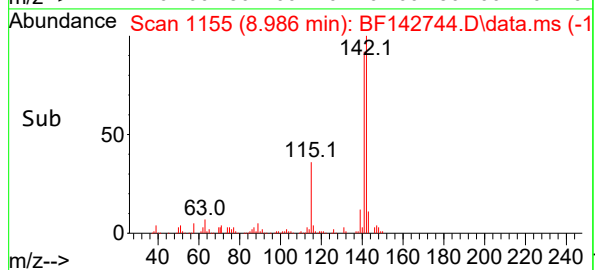
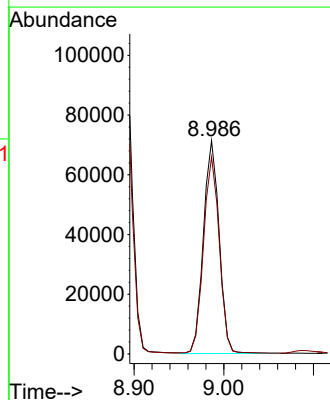
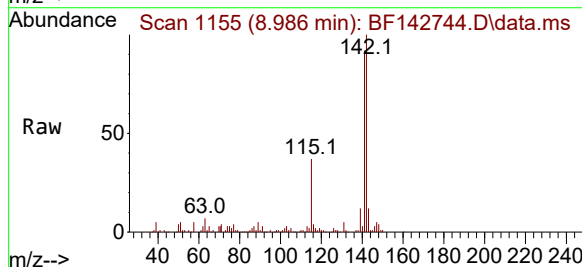
Acq: 11 Jun 2025 19:48

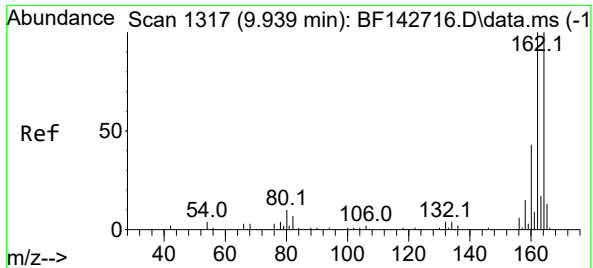
Tgt Ion:142 Resp: 86959

Ion Ratio Lower Upper

142 100

141 92.4 73.5 110.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.927 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF142744.D

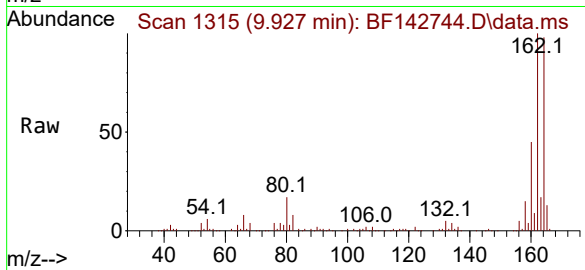
Acq: 11 Jun 2025 19:48

Instrument :

BNA_F

ClientSampleId :

MW-2-20250605DL



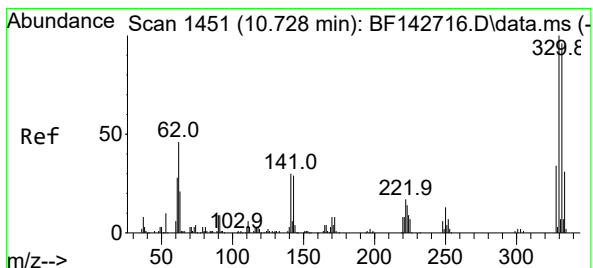
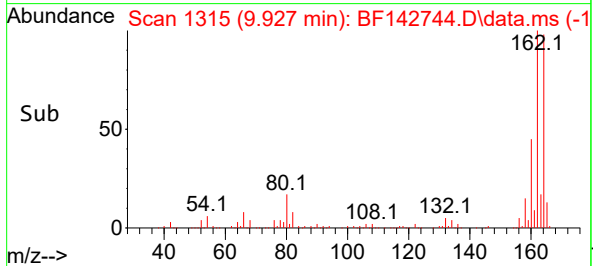
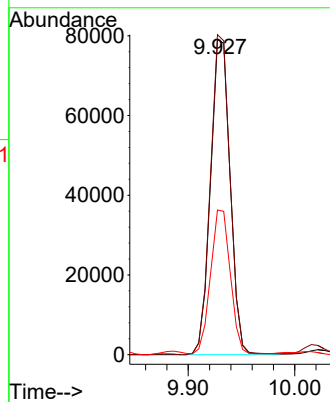
Tgt Ion:164 Resp: 101254

Ion Ratio Lower Upper

164 100

162 101.6 79.9 119.9

160 45.9 34.8 52.2



#42

2,4,6-Tribromophenol

Concen: 65.576 ng

RT: 10.722 min Scan# 1450

Delta R.T. -0.006 min

Lab File: BF142744.D

Acq: 11 Jun 2025 19:48

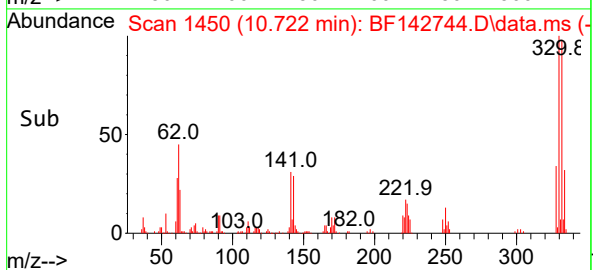
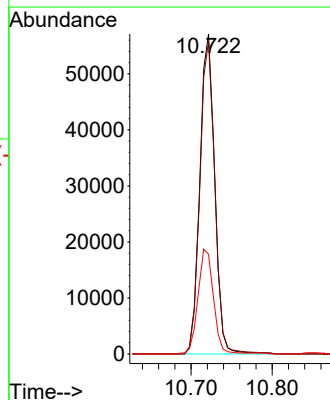
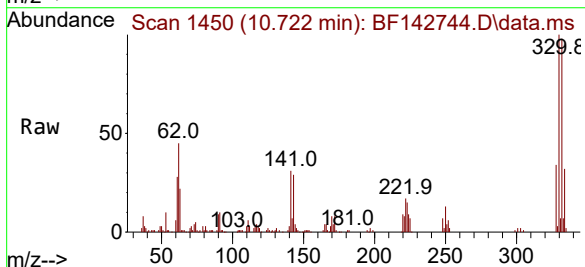
Tgt Ion:330 Resp: 72772

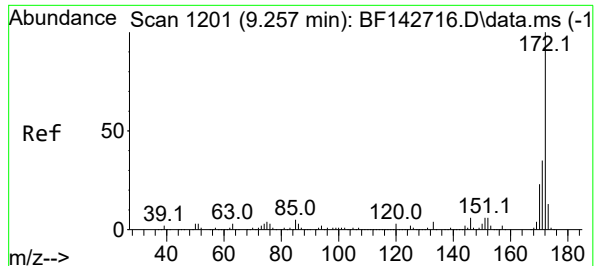
Ion Ratio Lower Upper

330 100

332 97.8 77.0 115.6

141 34.2 25.4 38.0





#45

2-Fluorobiphenyl

Concen: 46.792 ng

RT: 9.251 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142744.D

Acq: 11 Jun 2025 19:48

Instrument :

BNA_F

ClientSampleId :

MW-2-20250605DL

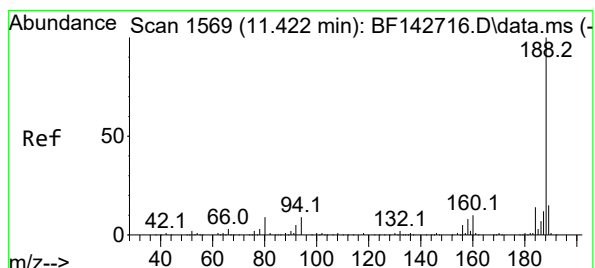
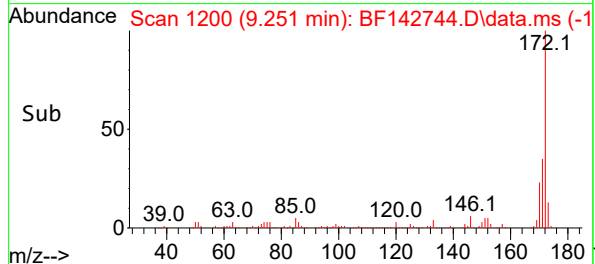
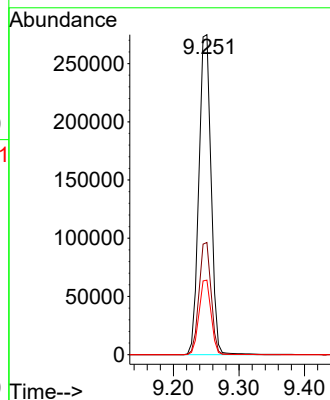
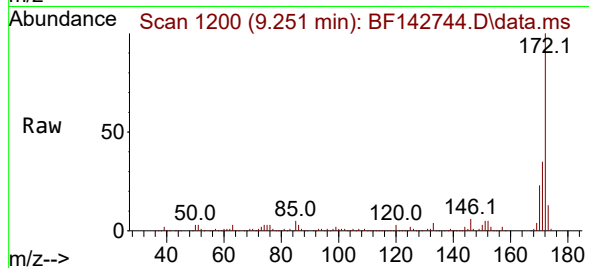
Tgt Ion:172 Resp: 356619

Ion Ratio Lower Upper

172 100

171 35.0 28.1 42.1

170 23.3 18.6 27.8



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.421 min Scan# 1569

Delta R.T. -0.000 min

Lab File: BF142744.D

Acq: 11 Jun 2025 19:48

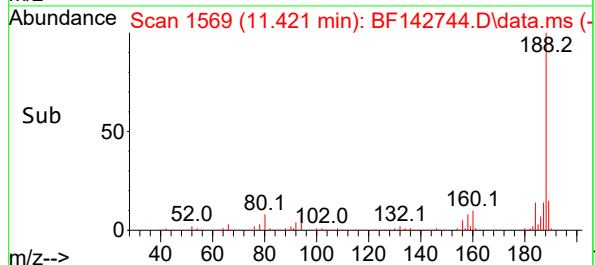
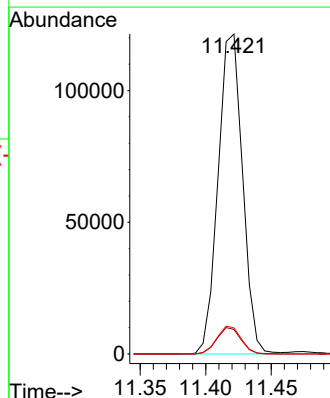
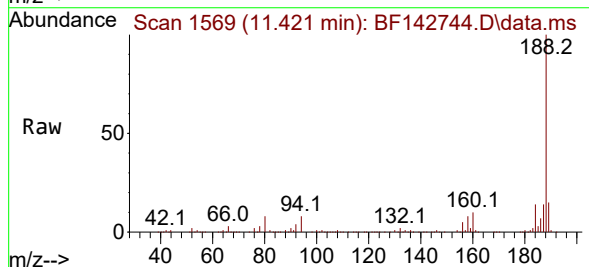
Tgt Ion:188 Resp: 157521

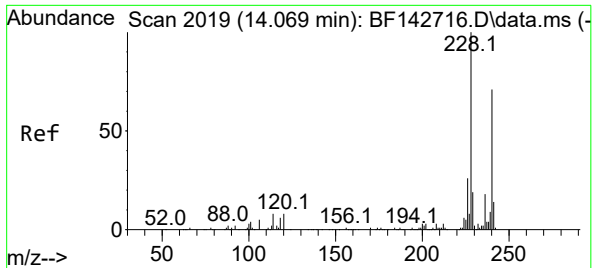
Ion Ratio Lower Upper

188 100

94 7.6 6.8 10.2

80 8.1 7.1 10.7

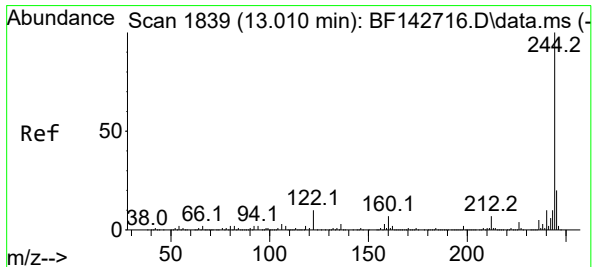
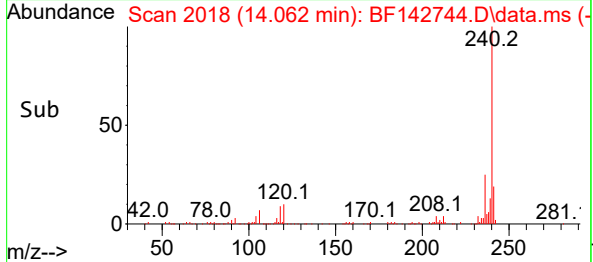
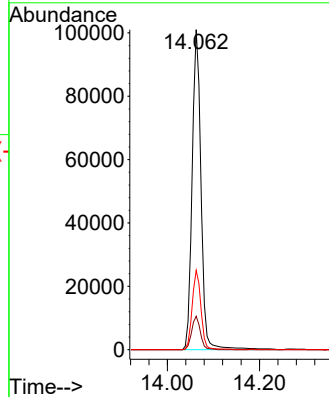
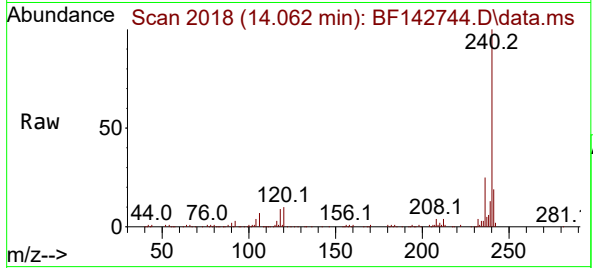




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.062 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF142744.D
Acq: 11 Jun 2025 19:48

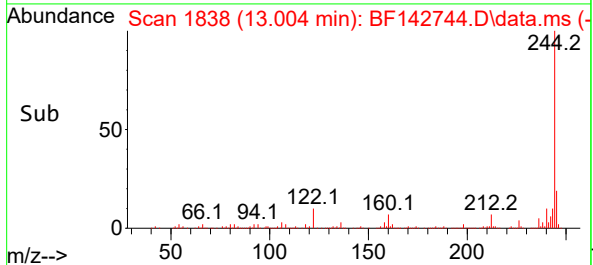
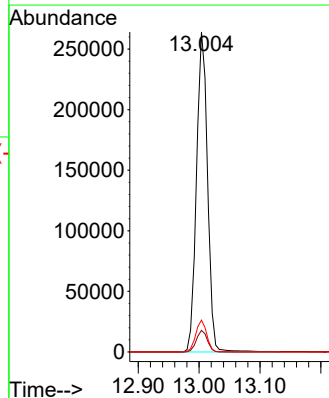
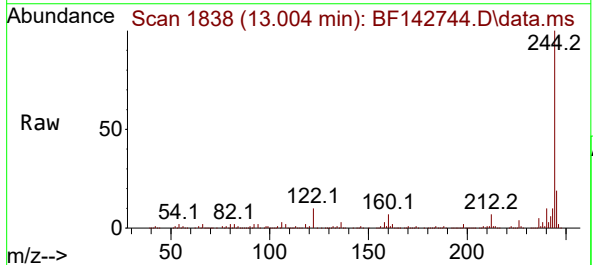
Instrument :
BNA_F
ClientSampleId :
MW-2-20250605DL

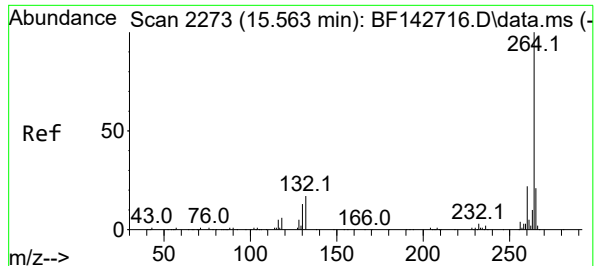
Tgt Ion:240 Resp: 134877
Ion Ratio Lower Upper
240 100
120 10.5 8.5 12.7
236 24.8 20.1 30.1



#79
Terphenyl-d14
Concen: 33.937 ng
RT: 13.004 min Scan# 1838
Delta R.T. -0.006 min
Lab File: BF142744.D
Acq: 11 Jun 2025 19:48

Tgt Ion:244 Resp: 333276
Ion Ratio Lower Upper
244 100
212 6.8 5.4 8.0
122 10.0 8.3 12.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.556 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF142744.D

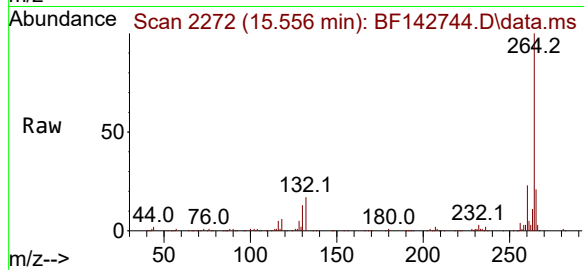
Acq: 11 Jun 2025 19:48

Instrument :

BNA_F

ClientSampleId :

MW-2-20250605DL



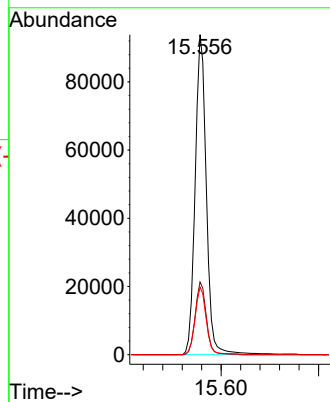
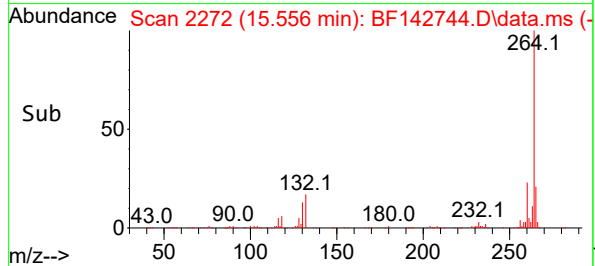
Tgt Ion:264 Resp: 150814

Ion Ratio Lower Upper

264 100

260 22.7 17.8 26.6

265 21.1 16.6 25.0



Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	06/05/25
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	06/06/25
Client Sample ID:	MW-2-20250605-A	SDG No.:	Q2268
Lab Sample ID:	Q2268-06	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142737.D	1	06/10/25 08:10	06/11/25 16:19	PB168376

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	4.10	U	4.10	10.4	ug/L
108-95-2	Phenol	0.95	U	0.95	5.20	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.84	U	0.84	5.20	ug/L
95-57-8	2-Chlorophenol	0.60	U	0.60	5.20	ug/L
95-48-7	2-Methylphenol	1.20	U	1.20	5.20	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.30	U	1.30	5.20	ug/L
98-86-2	Acetophenone	0.77	U	0.77	5.20	ug/L
65794-96-9	3+4-Methylphenols	1.10	U	1.10	10.4	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.50	U	1.50	2.60	ug/L
67-72-1	Hexachloroethane	0.68	U	0.68	5.20	ug/L
98-95-3	Nitrobenzene	0.79	U	0.79	5.20	ug/L
78-59-1	Isophorone	0.78	U	0.78	5.20	ug/L
88-75-5	2-Nitrophenol	1.80	U	1.80	5.20	ug/L
105-67-9	2,4-Dimethylphenol	3.80	J	1.90	5.20	ug/L
111-91-1	bis(2-Chloroethoxy)methane	0.71	U	0.71	5.20	ug/L
120-83-2	2,4-Dichlorophenol	0.54	U	0.54	5.20	ug/L
91-20-3	Naphthalene	110	E	0.52	5.20	ug/L
106-47-8	4-Chloroaniline	0.88	U	0.88	5.20	ug/L
87-68-3	Hexachlorobutadiene	0.56	U	0.56	5.20	ug/L
105-60-2	Caprolactam	1.20	U	1.20	10.4	ug/L
59-50-7	4-Chloro-3-methylphenol	0.61	U	0.61	5.20	ug/L
91-57-6	2-Methylnaphthalene	38.8		0.58	5.20	ug/L
77-47-4	Hexachlorocyclopentadiene	3.80	U	3.80	10.4	ug/L
88-06-2	2,4,6-Trichlorophenol	0.53	U	0.53	5.20	ug/L
95-95-4	2,4,5-Trichlorophenol	0.65	U	0.65	5.20	ug/L
92-52-4	1,1-Biphenyl	0.55	U	0.55	5.20	ug/L
91-58-7	2-Chloronaphthalene	0.64	U	0.64	5.20	ug/L
88-74-4	2-Nitroaniline	1.30	U	1.30	5.20	ug/L
131-11-3	Dimethylphthalate	0.64	U	0.64	5.20	ug/L

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	06/05/25
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	06/06/25
Client Sample ID:	MW-2-20250605-A	SDG No.:	Q2268
Lab Sample ID:	Q2268-06	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142737.D	1	06/10/25 08:10	06/11/25 16:19	PB168376

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	0.78	U	0.78	5.20	ug/L
606-20-2	2,6-Dinitrotoluene	0.96	U	0.96	5.20	ug/L
99-09-2	3-Nitroaniline	1.10	U	1.10	5.20	ug/L
83-32-9	Acenaphthene	0.57	U	0.57	5.20	ug/L
51-28-5	2,4-Dinitrophenol	6.20	U	6.20	10.4	ug/L
100-02-7	4-Nitrophenol	2.50	U	2.50	10.4	ug/L
132-64-9	Dibenzofuran	0.64	U	0.64	5.20	ug/L
121-14-2	2,4-Dinitrotoluene	1.30	U	1.30	5.20	ug/L
84-66-2	Diethylphthalate	0.72	U	0.72	5.20	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.71	U	0.71	5.20	ug/L
86-73-7	Fluorene	0.66	U	0.66	5.20	ug/L
100-01-6	4-Nitroaniline	1.60	U	1.60	5.20	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.00	U	3.00	10.4	ug/L
86-30-6	n-Nitrosodiphenylamine	0.60	U	0.60	5.20	ug/L
101-55-3	4-Bromophenyl-phenylether	0.42	U	0.42	5.20	ug/L
118-74-1	Hexachlorobenzene	0.54	U	0.54	5.20	ug/L
1912-24-9	Atrazine	1.10	U	1.10	5.20	ug/L
87-86-5	Pentachlorophenol	1.60	U	1.60	10.4	ug/L
85-01-8	Phenanthrene	0.52	U	0.52	5.20	ug/L
120-12-7	Anthracene	0.64	U	0.64	5.20	ug/L
86-74-8	Carbazole	2.40	J	0.75	5.20	ug/L
84-74-2	Di-n-butylphthalate	1.30	U	1.30	5.20	ug/L
206-44-0	Fluoranthene	0.85	U	0.85	5.20	ug/L
129-00-0	Pyrene	0.52	U	0.52	5.20	ug/L
85-68-7	Butylbenzylphthalate	2.00	U	2.00	5.20	ug/L
91-94-1	3,3-Dichlorobenzidine	0.97	U	0.97	10.4	ug/L
56-55-3	Benzo(a)anthracene	0.47	U	0.47	5.20	ug/L
218-01-9	Chrysene	0.46	U	0.46	5.20	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.70	U	1.70	5.20	ug/L
117-84-0	Di-n-octyl phthalate	2.40	U	2.40	10.4	ug/L
205-99-2	Benzo(b)fluoranthene	0.51	U	0.51	5.20	ug/L

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	06/05/25
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	06/06/25
Client Sample ID:	MW-2-20250605-A	SDG No.:	Q2268
Lab Sample ID:	Q2268-06	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142737.D	1	06/10/25 08:10	06/11/25 16:19	PB168376

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	0.50	U	0.50	5.20	ug/L
50-32-8	Benzo(a)pyrene	0.57	U	0.57	5.20	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.61	U	0.61	5.20	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.70	U	0.70	5.20	ug/L
191-24-2	Benzo(g,h,i)perylene	0.72	U	0.72	5.20	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	0.54	U	0.54	5.20	ug/L
123-91-1	1,4-Dioxane	1.00	U	1.00	5.20	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.75	U	0.75	5.20	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	62.1		23 - 138	41%	SPK: 150
13127-88-3	Phenol-d6	45.9		10 - 134	31%	SPK: 150
4165-60-0	Nitrobenzene-d5	82.0		67 - 132	82%	SPK: 100
321-60-8	2-Fluorobiphenyl	84.3		52 - 132	84%	SPK: 100
118-79-6	2,4,6-Tribromophenol	123		44 - 137	82%	SPK: 150
1718-51-0	Terphenyl-d14	58.7		42 - 152	59%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	56900	6.893			
1146-65-2	Naphthalene-d8	200000	8.175			
15067-26-2	Acenaphthene-d10	99400	9.928			
1517-22-2	Phenanthrene-d10	153000	11.416			
1719-03-5	Chrysene-d12	136000	14.063			
1520-96-3	Perylene-d12	159000	15.557			
TENTATIVE IDENTIFIED COMPOUNDS						
002738-19-4	2-Hexene, 2-methyl-	11.4	J		2.57	ug/L
001528-22-9	Cyclobutane, (1-methylethylidene)-	10.9	J		3.68	ug/L
000591-49-1	Cyclohexene, 1-methyl-	6.80	J		4.04	ug/L
000473-91-6	Cyclopentene, 1,2,3-trimethyl-	9.90	J		4.66	ug/L
000108-38-3	Benzene, 1,3-dimethyl-	160	J		5.39	ug/L
000098-82-8	Benzene, (1-methylethyl)-	20.7	J		6.06	ug/L
003647-71-0	N-Benzyl-2-phenethylamine	34.7	J		6.35	ug/L

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	06/05/25
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	06/06/25
Client Sample ID:	MW-2-20250605-A	SDG No.:	Q2268
Lab Sample ID:	Q2268-06	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142737.D	1	06/10/25 08:10	06/11/25 16:19	PB168376

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
000622-96-8	Benzene, 1-ethyl-4-methyl-	52.6	J		6.58	ug/L
000526-73-8	Benzene, 1,2,3-trimethyl-	150	J		6.72	ug/L
1000191-13-7	Tetracyclo[3.3.1.0(2,8).0(4,6)]-no	130	J		7.08	ug/L
000141-93-5	Benzene, 1,3-diethyl-	26.1	J		7.14	ug/L
000105-05-5	Benzene, 1,4-diethyl-	31.6	J		7.21	ug/L
001074-55-1	Benzene, 1-methyl-4-propyl-	16.2	J		7.29	ug/L
000527-84-4	o-Cymene	20.2	J		7.36	ug/L
002039-89-6	Benzene, 2-ethenyl-1,4-dimethyl-	10.0	J		7.91	ug/L
90-12-0	1-Methylnaphthalene	21.3	J		8.99	ug/L
039627-61-7	7-Methylindan-1-one	8.20	J		9.18	ug/L
000619-04-5	Benzoic acid, 3,4-dimethyl-	6.70	J		9.33	ug/L
065898-38-6	Indane-5-carboxylic acid	8.00	J		10.2	ug/L

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\BF061125\
 Data File : BF142737.D
 Acq On : 11 Jun 2025 16:19
 Operator : RC/JU
 Sample : Q2268-06
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-2-20250605-A

Quant Time: Jun 11 17:27:03 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 11 05:56:09 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

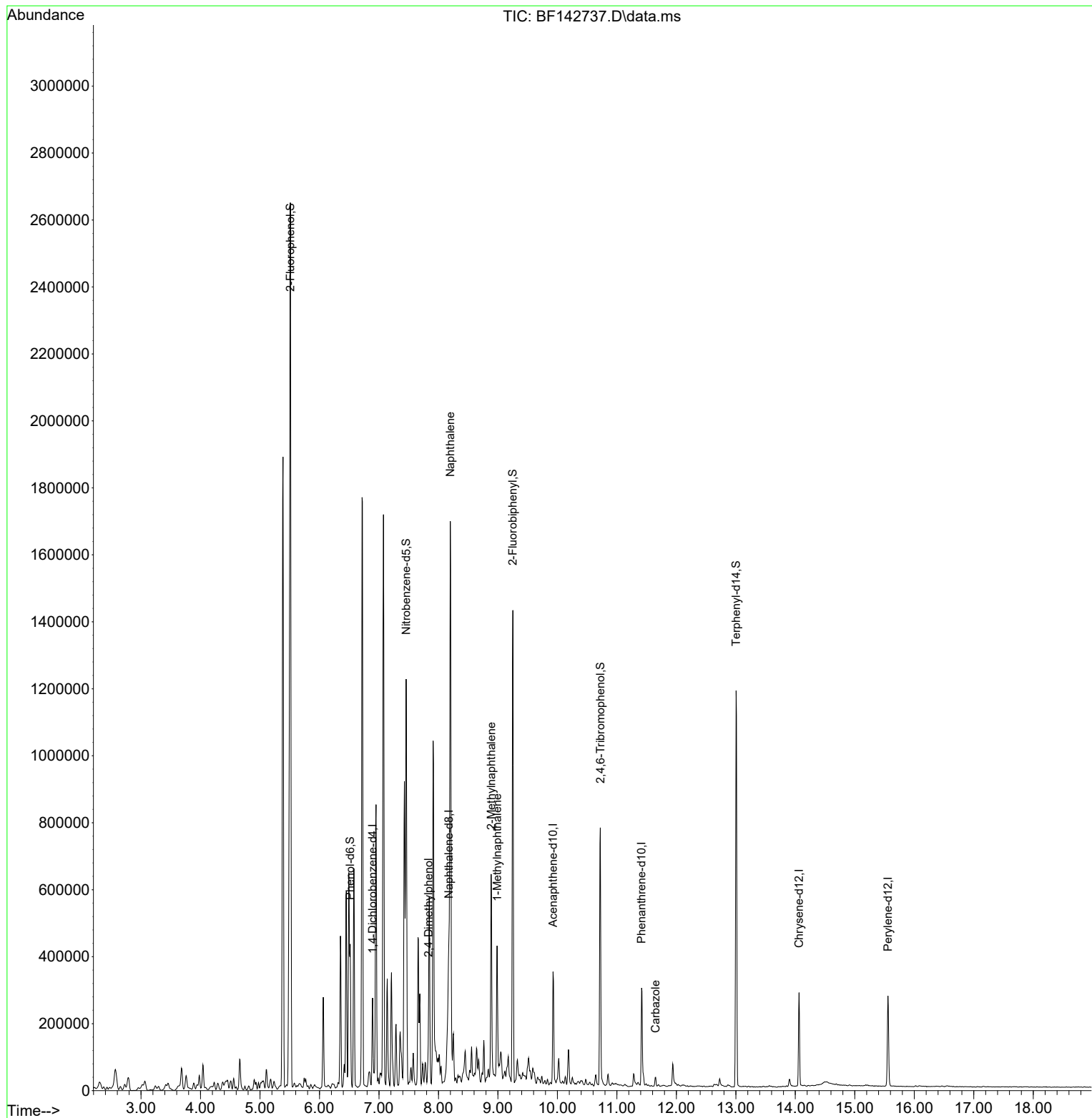
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	56892	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	199628	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	99393	20.000	ng	-0.01
64) Phenanthrene-d10	11.416	188	152945	20.000	ng	0.00
76) Chrysene-d12	14.063	240	136283	20.000	ng	0.00
86) Perylene-d12	15.557	264	159449	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	207603	62.149	ng	0.00
7) Phenol-d6	6.516	99	180460	45.905	ng	0.00
23) Nitrobenzene-d5	7.457	82	299231	82.034	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	133928	122.945	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	630926	84.334	ng	0.00
79) Terphenyl-d14	13.004	244	582138	58.667	ng	0.00
Target Compounds						
						Qvalue
27) 2,4-Dimethylphenol	7.834	122	11273	3.665	ng	95
31) Naphthalene	8.198	128	1023762	103.695	ng	99
37) 2-Methylnaphthalene	8.887	142	232898	37.270	ng	100
38) 1-Methylnaphthalene	8.987	142	132188	20.420	ng	99
73) Carbazole	11.651	167	16361	2.306	ng	100

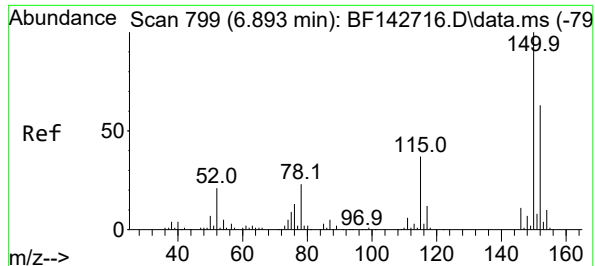
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142737.D
Acq On : 11 Jun 2025 16:19
Operator : RC/JU
Sample : Q2268-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-2-20250605-A

Quant Time: Jun 11 17:27:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 11 05:56:09 2025
Response via : Initial Calibration

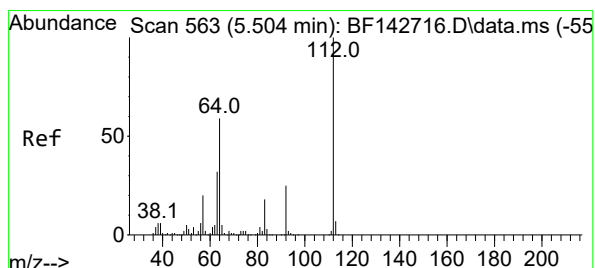
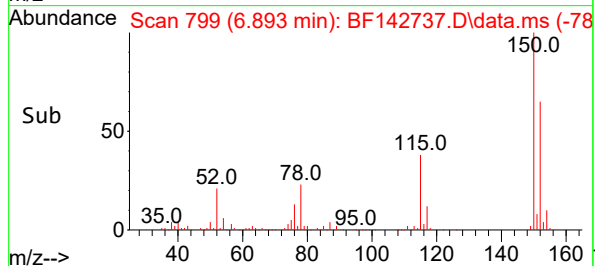
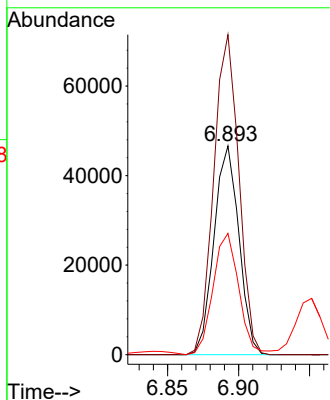
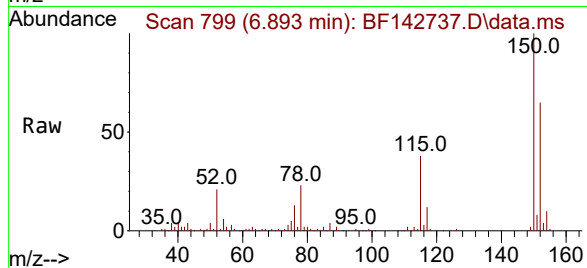




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 799
Delta R.T. -0.000 min
Lab File: BF142737.D
Acq: 11 Jun 2025 16:19

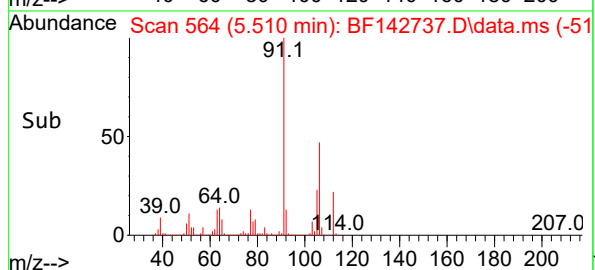
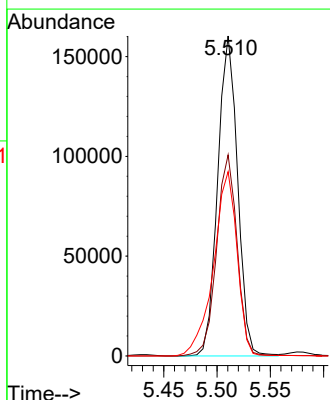
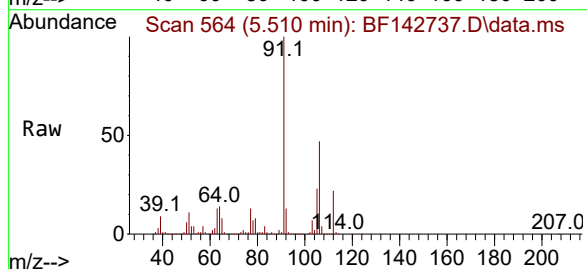
Instrument :
BNA_F
ClientSampleId :
MW-2-20250605-A

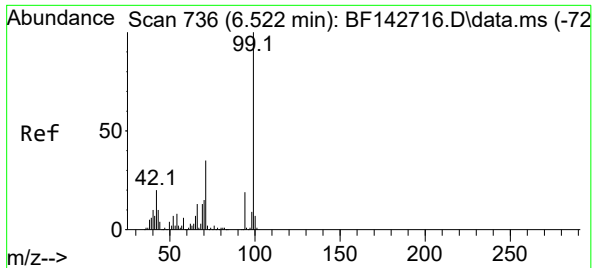
Tgt Ion:152 Resp: 56892
Ion Ratio Lower Upper
152 100
150 153.3 126.9 190.3
115 58.1 47.0 70.6



#5
2-Fluorophenol
Concen: 62.149 ng
RT: 5.510 min Scan# 564
Delta R.T. 0.006 min
Lab File: BF142737.D
Acq: 11 Jun 2025 16:19

Tgt Ion:112 Resp: 207603
Ion Ratio Lower Upper
112 100
64 62.9 47.4 71.2
63 57.6 25.4 38.0#

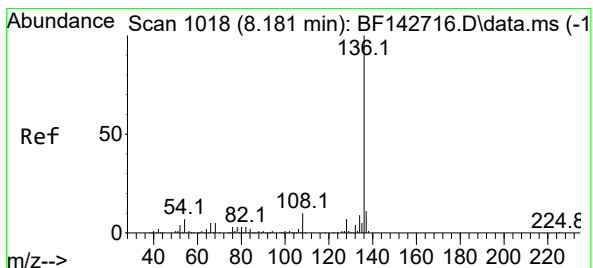
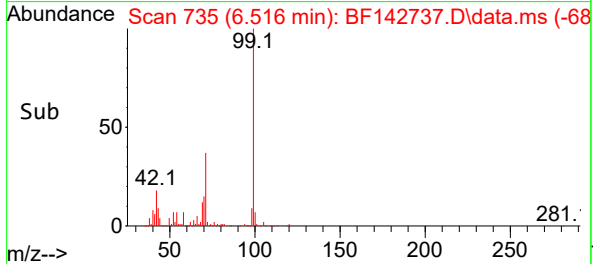
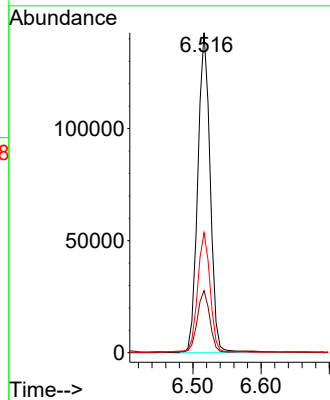
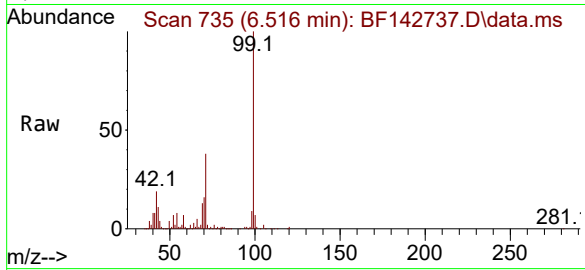




#7
Phenol-d6
Concen: 45.905 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142737.D
Acq: 11 Jun 2025 16:19

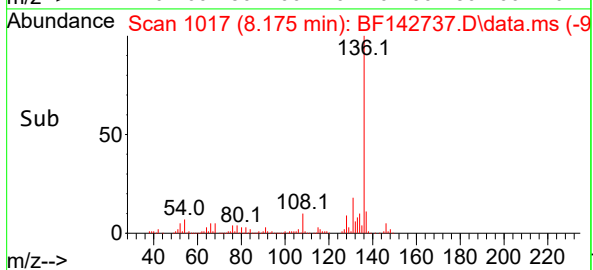
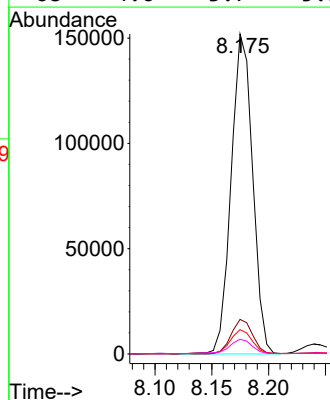
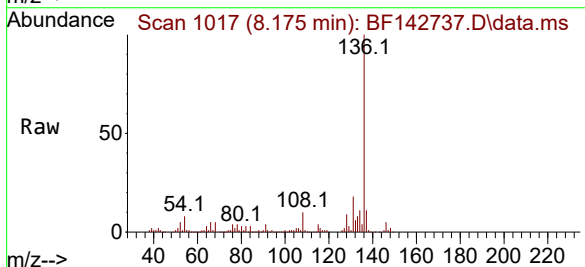
Instrument :
BNA_F
ClientSampleId :
MW-2-20250605-A

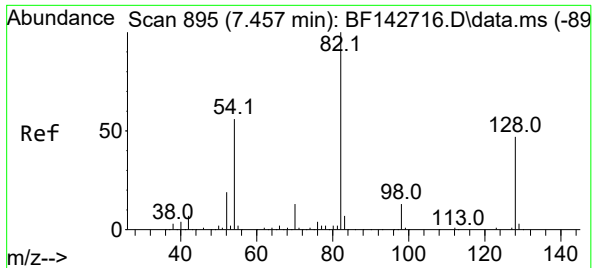
Tgt Ion: 99 Resp: 180460
Ion Ratio Lower Upper
99 100
42 19.4 15.9 23.9
71 37.5 28.0 42.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF142737.D
Acq: 11 Jun 2025 16:19

Tgt Ion: 136 Resp: 199628
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 7.6 5.9 8.9
68 4.6 3.7 5.5





#23

Nitrobenzene-d5

Concen: 82.034 ng

RT: 7.457 min Scan# 895

Delta R.T. 0.000 min

Lab File: BF142737.D

Acq: 11 Jun 2025 16:19

Instrument :

BNA_F

ClientSampleId :

MW-2-20250605-A

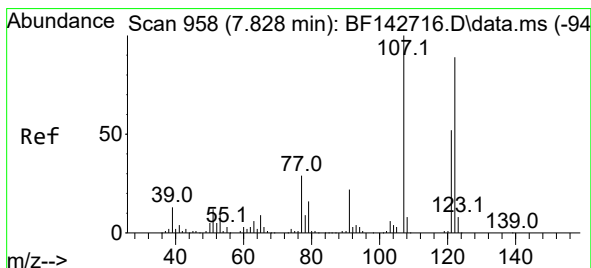
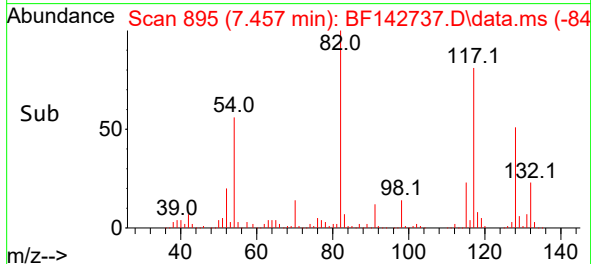
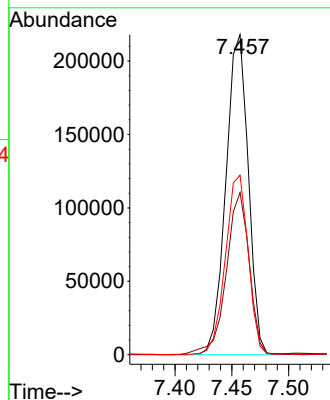
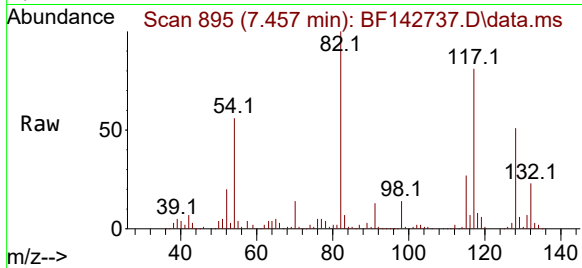
Tgt Ion: 82 Resp: 299231

Ion Ratio Lower Upper

82 100

128 50.7 37.8 56.8

54 56.1 44.9 67.3



#27

2,4-Dimethylphenol

Concen: 3.665 ng

RT: 7.834 min Scan# 959

Delta R.T. 0.006 min

Lab File: BF142737.D

Acq: 11 Jun 2025 16:19

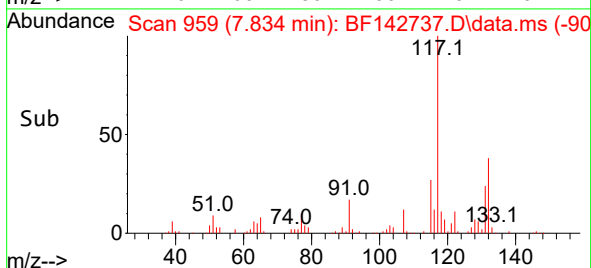
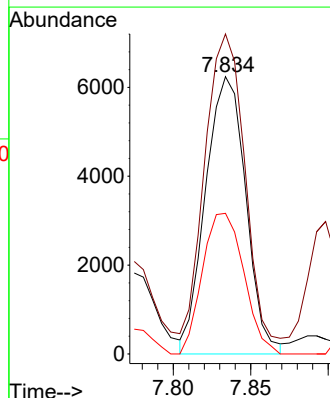
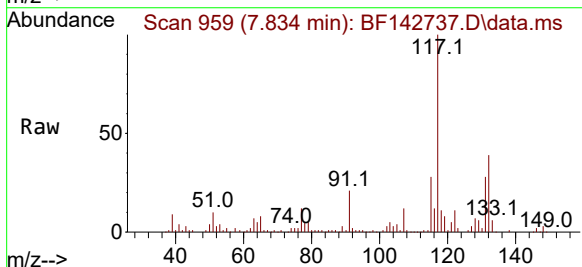
Tgt Ion: 122 Resp: 11273

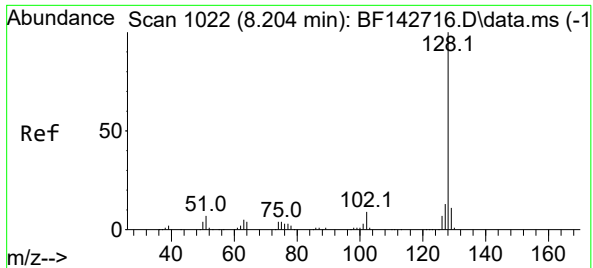
Ion Ratio Lower Upper

122 100

107 115.4 90.4 135.6

121 50.8 46.9 70.3





#31

Naphthalene

Concen: 103.695 ng

RT: 8.198 min Scan# 1021

Delta R.T. -0.006 min

Lab File: BF142737.D

Acq: 11 Jun 2025 16:19

Instrument :

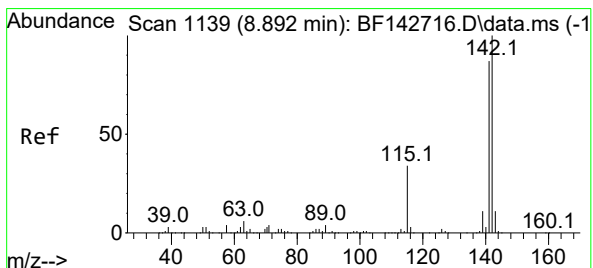
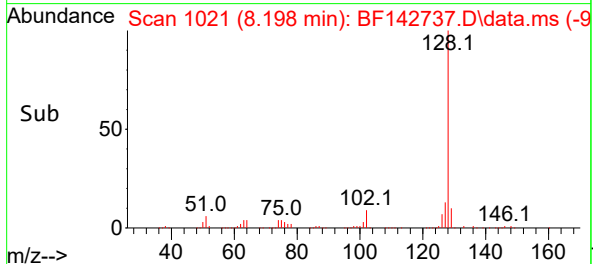
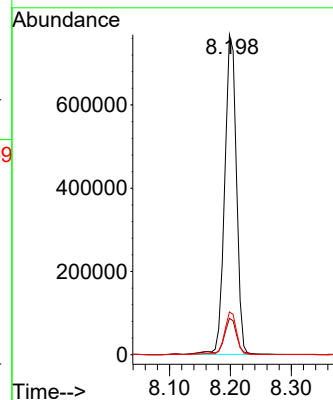
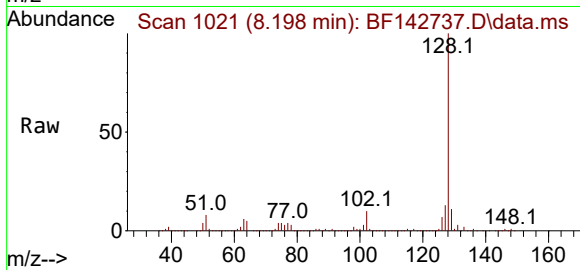
BNA_F

ClientSampleId :

MW-2-20250605-A

Tgt Ion:128 Resp: 1023762

Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.7	13.1
127	13.3	10.4	15.6



#37

2-Methylnaphthalene

Concen: 37.270 ng

RT: 8.887 min Scan# 1138

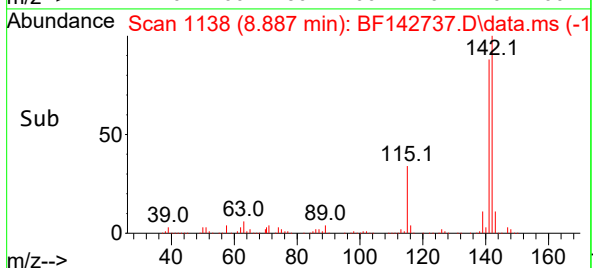
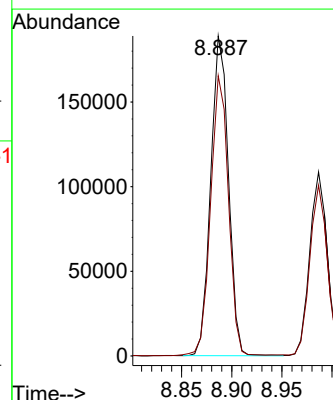
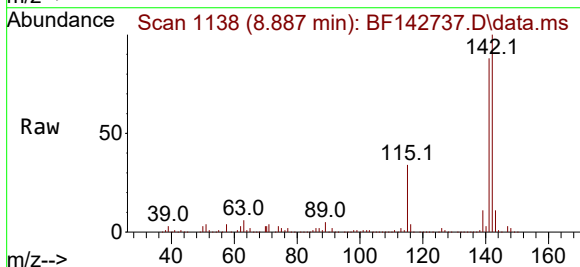
Delta R.T. -0.006 min

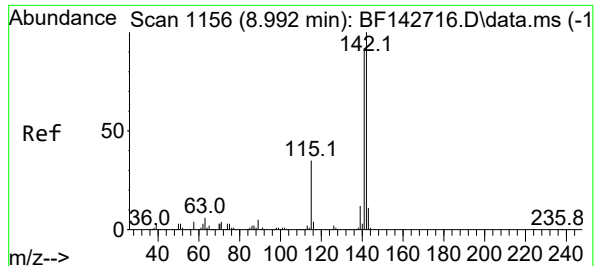
Lab File: BF142737.D

Acq: 11 Jun 2025 16:19

Tgt Ion:142 Resp: 232898

Ion	Ratio	Lower	Upper
142	100		
141	87.5	69.9	104.9





#38

1-Methylnaphthalene

Concen: 20.420 ng

RT: 8.987 min Scan# 1155

Delta R.T. -0.006 min

Lab File: BF142737.D

Acq: 11 Jun 2025 16:19

Instrument :

BNA_F

ClientSampleId :

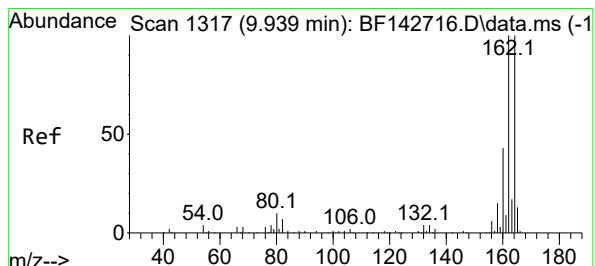
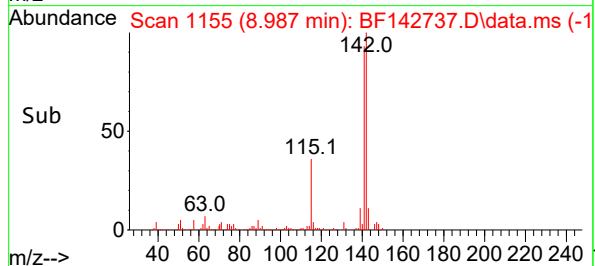
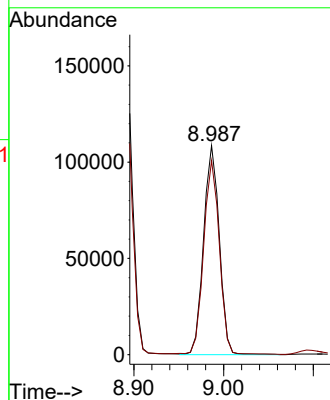
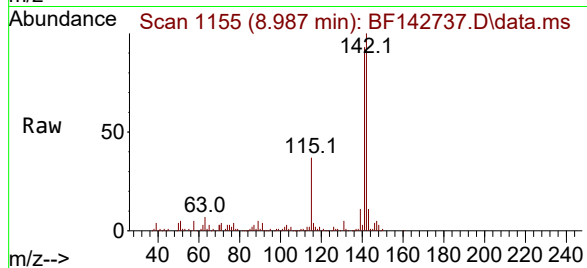
MW-2-20250605-A

Tgt Ion:142 Resp: 132188

Ion Ratio Lower Upper

142 100

141 92.8 73.5 110.3



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.928 min Scan# 1315

Delta R.T. -0.012 min

Lab File: BF142737.D

Acq: 11 Jun 2025 16:19

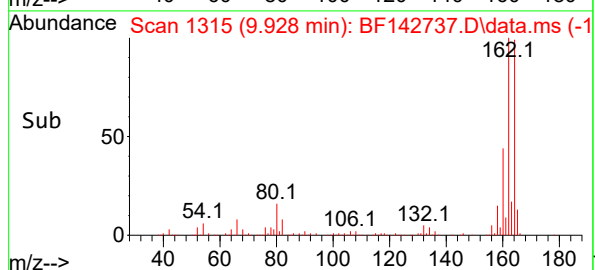
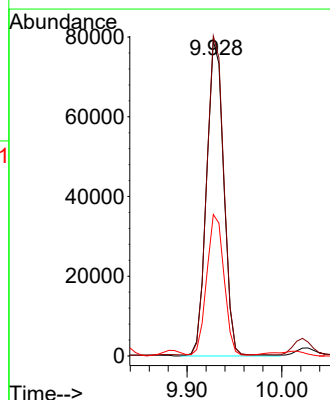
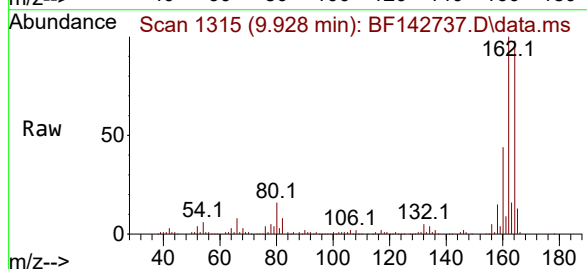
Tgt Ion:164 Resp: 99393

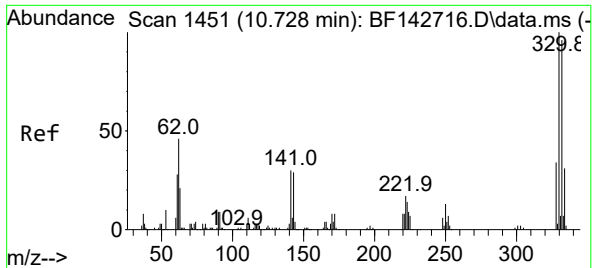
Ion Ratio Lower Upper

164 100

162 101.5 79.9 119.9

160 44.9 34.8 52.2





#42

2,4,6-Tribromophenol

Concen: 122.945 ng

RT: 10.722 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF142737.D

Acq: 11 Jun 2025 16:19

Instrument :

BNA_F

ClientSampleId :

MW-2-20250605-A

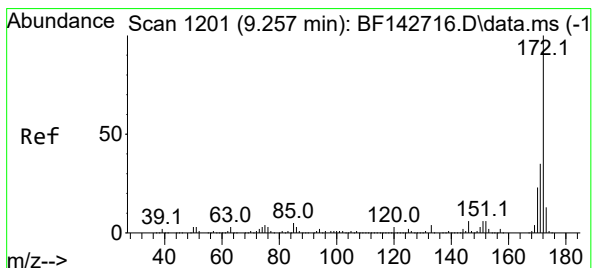
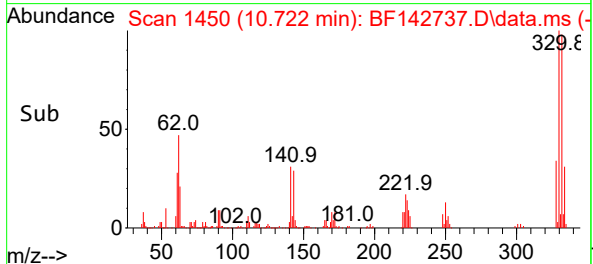
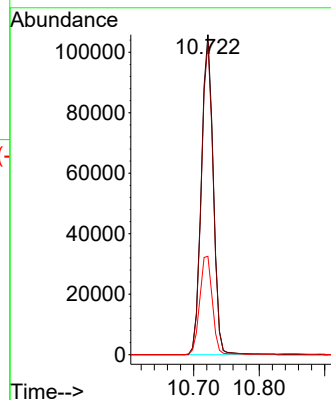
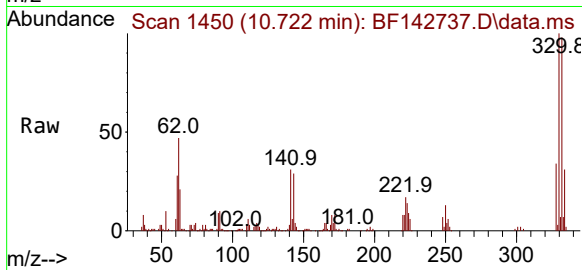
Tgt Ion:330 Resp: 133928

Ion Ratio Lower Upper

330 100

332 97.2 77.0 115.6

141 32.7 25.4 38.0



#45

2-Fluorobiphenyl

Concen: 84.334 ng

RT: 9.251 min Scan# 1200

Delta R.T. -0.006 min

Lab File: BF142737.D

Acq: 11 Jun 2025 16:19

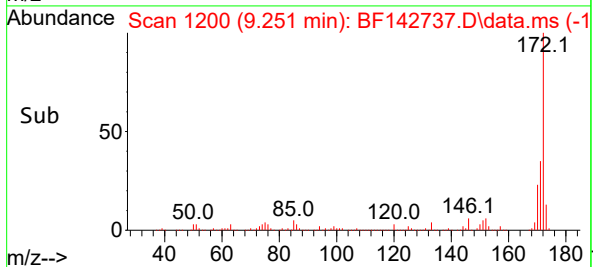
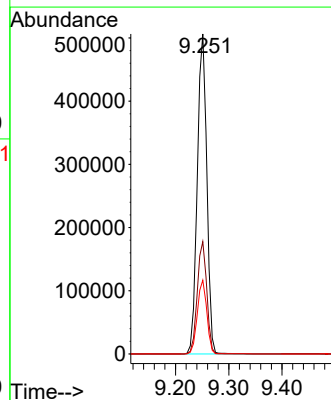
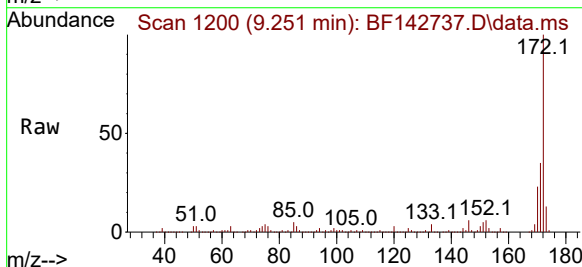
Tgt Ion:172 Resp: 630926

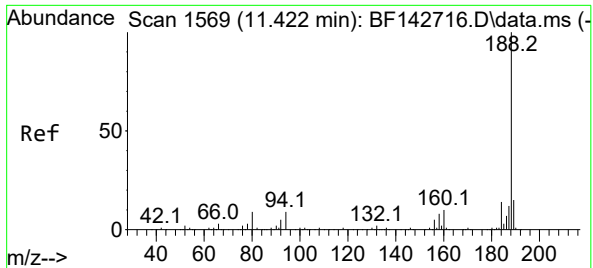
Ion Ratio Lower Upper

172 100

171 35.1 28.1 42.1

170 23.0 18.6 27.8

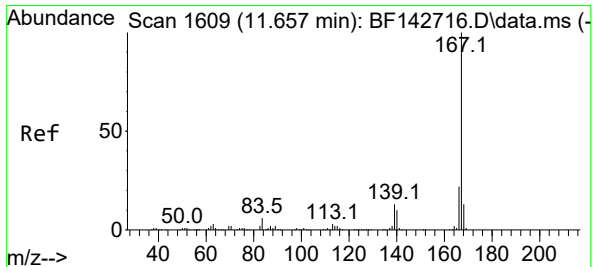
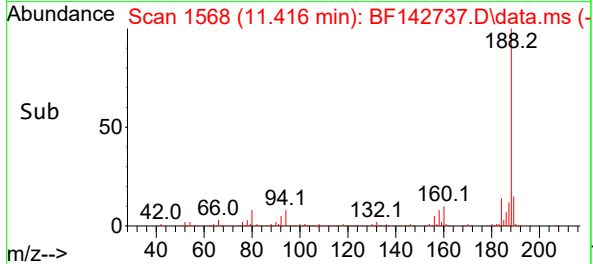
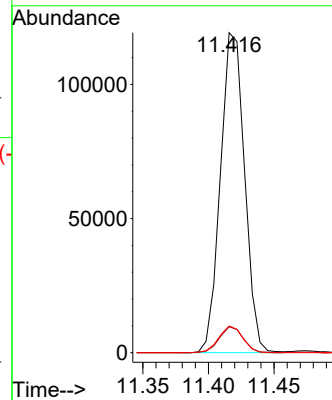
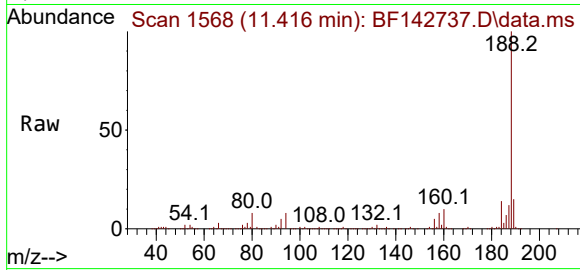




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142737.D
Acq: 11 Jun 2025 16:19

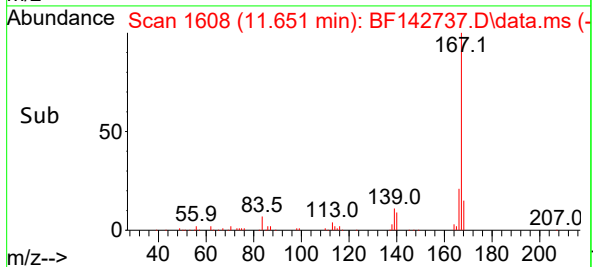
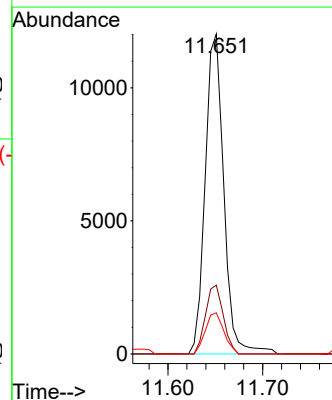
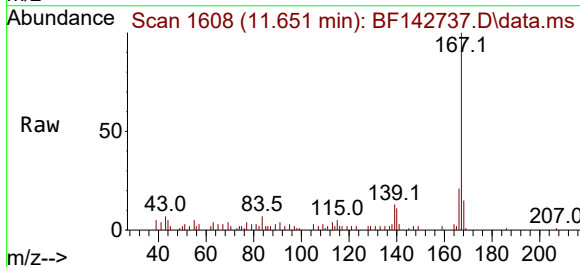
Instrument :
BNA_F
ClientSampleId :
MW-2-20250605-A

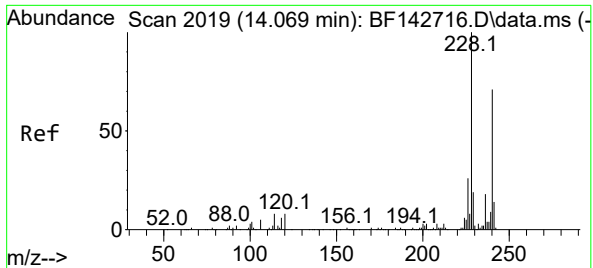
Tgt Ion:188 Resp: 152945
Ion Ratio Lower Upper
188 100
94 8.1 6.8 10.2
80 8.3 7.1 10.7



#73
Carbazole
Concen: 2.306 ng
RT: 11.651 min Scan# 1608
Delta R.T. -0.006 min
Lab File: BF142737.D
Acq: 11 Jun 2025 16:19

Tgt Ion:167 Resp: 16361
Ion Ratio Lower Upper
167 100
166 21.5 17.2 25.8
139 12.8 10.2 15.4

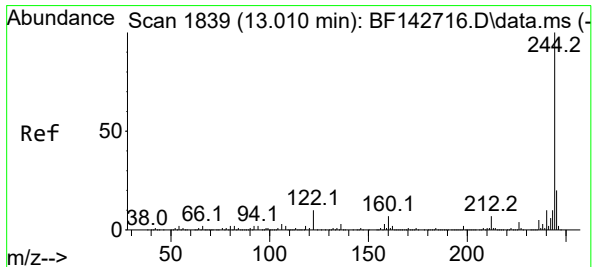
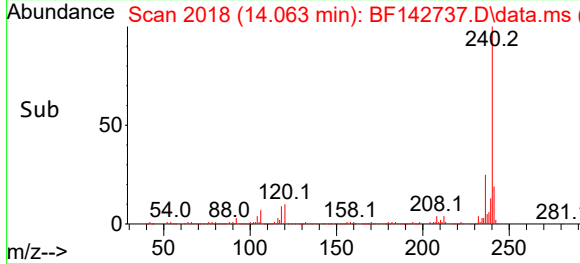
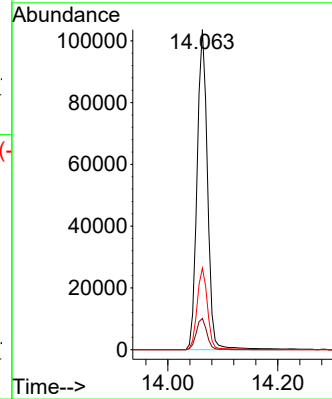
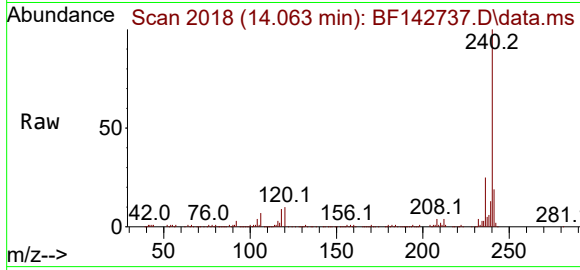




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF142737.D
Acq: 11 Jun 2025 16:19

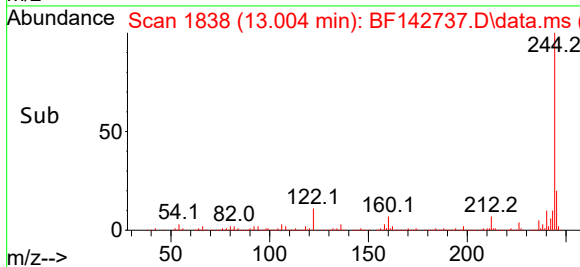
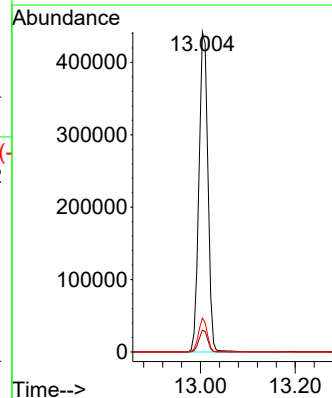
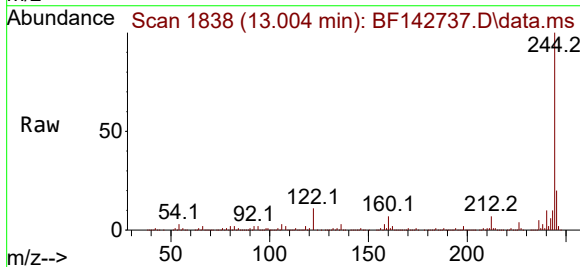
Instrument :
BNA_F
ClientSampleId :
MW-2-20250605-A

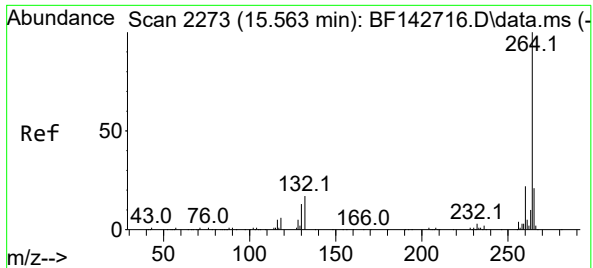
Tgt Ion:240 Resp: 136283
Ion Ratio Lower Upper
240 100
120 9.8 8.5 12.7
236 25.5 20.1 30.1



#79
Terphenyl-d14
Concen: 58.667 ng
RT: 13.004 min Scan# 1838
Delta R.T. -0.006 min
Lab File: BF142737.D
Acq: 11 Jun 2025 16:19

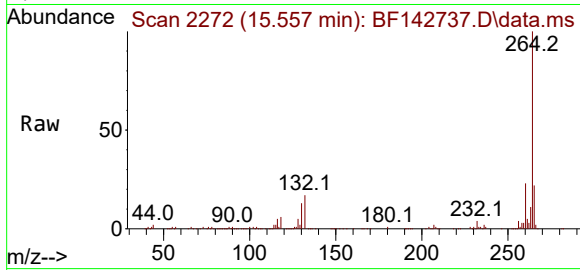
Tgt Ion:244 Resp: 582138
Ion Ratio Lower Upper
244 100
212 6.8 5.4 8.0
122 10.6 8.3 12.5



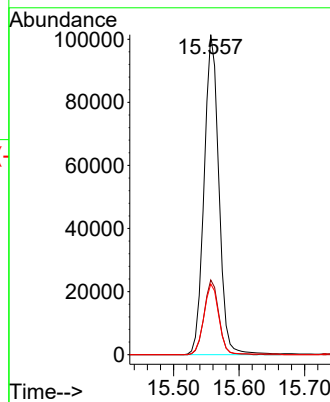
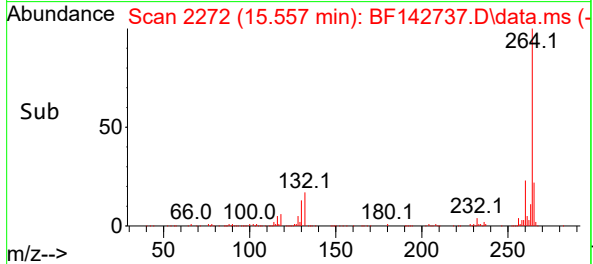


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF142737.D
Acq: 11 Jun 2025 16:19

Instrument :
BNA_F
ClientSampleId :
MW-2-20250605-A



Tgt Ion:264 Resp: 159449
Ion Ratio Lower Upper
264 100
260 23.3 17.8 26.6
265 22.1 16.6 25.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142737.D
Acq On : 11 Jun 2025 16:19
Operator : RC/JU
Sample : Q2268-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-2-20250605-A

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-BF061125.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142737.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.299	9	18	27	rVB4	19428	57118	1.29%	0.149%
2	2.569	52	64	73	rVB3	59948	184301	4.17%	0.480%
3	2.787	94	101	110	rVB4	38607	96882	2.19%	0.252%
4	3.063	144	148	157	rVB2	27685	59791	1.35%	0.156%
5	3.416	197	208	211	rBV4	17117	44654	1.01%	0.116%
6	3.452	211	214	232	rVB3	21690	56951	1.29%	0.148%
7	3.681	232	253	259	rBV2	66491	175780	3.98%	0.458%
8	3.757	259	266	273	rBV4	39977	83051	1.88%	0.216%
9	3.981	300	304	308	rVB	37393	53963	1.22%	0.141%
10	4.040	308	314	320	rBV	69157	109585	2.48%	0.285%
11	4.375	364	371	374	rBV4	22156	46495	1.05%	0.121%
12	4.557	398	402	406	rBV2	30848	44712	1.01%	0.116%
13	4.657	413	419	430	rBV2	91135	159275	3.60%	0.415%
14	4.904	455	461	464	rBV3	29306	49430	1.12%	0.129%
15	5.110	491	496	502	rBV	54817	82168	1.86%	0.214%
16	5.181	502	508	512	rVV3	27592	49822	1.13%	0.130%
17	5.234	512	517	527	rVB4	23095	49992	1.13%	0.130%
18	5.387	536	543	548	rVB	1882108	2617823	59.21%	6.817%
19	5.510	555	564	569	rVB	2640066	4421125	100.00%	11.514%
20	6.063	653	658	663	rBV	268969	334173	7.56%	0.870%
21	6.351	703	707	712	rVB	451756	558807	12.64%	1.455%
22	6.416	712	718	720	rBV	68599	94783	2.14%	0.247%
23	6.451	720	724	727	rVB	554421	664601	15.03%	1.731%
24	6.493	727	731	734	rBV	611101	885543	20.03%	2.306%
25	6.575	741	745	751	rBV	653061	847235	19.16%	2.206%
26	6.716	757	769	775	rBV	1761945	2380659	53.85%	6.200%
27	6.840	783	790	795	rBV3	44571	100596	2.28%	0.262%
28	6.893	795	799	803	rBV	259153	335863	7.60%	0.875%
29	6.951	804	809	813	rVB	825573	1053629	23.83%	2.744%
30	7.075	825	830	835	rVB	1696777	2115655	47.85%	5.510%
31	7.140	837	841	848	rVB2	318496	420631	9.51%	1.095%
32	7.210	848	853	861	rVB	339414	509099	11.52%	1.326%
33	7.287	861	866	871	rBV2	185424	261166	5.91%	0.680%
34	7.357	873	878	885	rBV2	159759	325731	7.37%	0.848%
35	7.428	885	890	892	rBV	886300	1193514	27.00%	3.108%
36	7.457	892	895	901	rVB2	1210423	1618225	36.60%	4.214%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142737.D
Acq On : 11 Jun 2025 16:19
Operator : RC/JU
Sample : Q2268-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-2-20250605-A

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-BF061125.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	7.540	905	909	912	rBV2	43385	58101	1.31%	0.151%
38	7.575	912	915	923	rVB2	95696	128705	2.91%	0.335%
39	7.657	924	929	932	rBV	438992	606871	13.73%	1.580%
40	7.687	932	934	938	rVB	269294	271251	6.14%	0.706%
41	7.734	938	942	946	rBV	60458	82555	1.87%	0.215%
42	7.775	946	949	954	rVB3	59229	85984	1.94%	0.224%
43	7.845	954	961	967	rVB	557067	789635	17.86%	2.056%
44	7.910	967	972	979	rBV	1023620	1528525	34.57%	3.981%
45	8.010	987	989	992	rVB	57744	63758	1.44%	0.166%
46	8.045	992	995	998	rVB	50071	59184	1.34%	0.154%
47	8.198	1004	1021	1027	rBV2	1673102	3184367	72.03%	8.293%
48	8.251	1027	1030	1034	rVB2	140409	188319	4.26%	0.490%
49	8.451	1053	1064	1073	rBV2	93088	239411	5.42%	0.623%
50	8.557	1079	1082	1086	rVB	86762	99014	2.24%	0.258%
51	8.640	1092	1096	1100	rBV2	78541	121821	2.76%	0.317%
52	8.675	1100	1102	1108	rVB4	67205	92790	2.10%	0.242%
53	8.763	1113	1117	1121	rVB	123887	157221	3.56%	0.409%
54	8.887	1133	1138	1145	rBV	605509	773928	17.51%	2.015%
55	8.987	1150	1155	1159	rBV	389486	501944	11.35%	1.307%
56	9.045	1162	1165	1171	rVB3	79335	149164	3.37%	0.388%
57	9.175	1180	1187	1195	rVB4	74007	169625	3.84%	0.442%
58	9.251	1195	1200	1204	rVB	1410788	1746997	39.51%	4.550%
59	9.328	1204	1213	1218	rBV2	68498	137461	3.11%	0.358%
60	9.516	1238	1245	1248	rBV3	62990	125177	2.83%	0.326%
61	9.587	1253	1257	1267	rVB2	45520	116415	2.63%	0.303%
62	9.928	1310	1315	1320	rBV	334803	429203	9.71%	1.118%
63	10.022	1323	1331	1339	rVB3	74221	119511	2.70%	0.311%
64	10.186	1354	1359	1366	rBV2	103601	164213	3.71%	0.428%
65	10.645	1431	1437	1444	rBV2	33391	62156	1.41%	0.162%
66	10.722	1444	1450	1464	rVV	770977	1048551	23.72%	2.731%
67	10.851	1467	1472	1479	rVB2	33743	53133	1.20%	0.138%
68	11.281	1541	1545	1554	rBV2	36838	72596	1.64%	0.189%
69	11.416	1564	1568	1577	rVB	289781	414624	9.38%	1.080%
70	11.939	1652	1657	1664	rBV2	64262	103661	2.34%	0.270%
71	13.004	1833	1838	1844	rBV	1183371	1534777	34.71%	3.997%
72	14.063	2013	2018	2024	rBV	278581	359772	8.14%	0.937%
73	15.557	2266	2272	2282	rVB	269198	415849	9.41%	1.083%

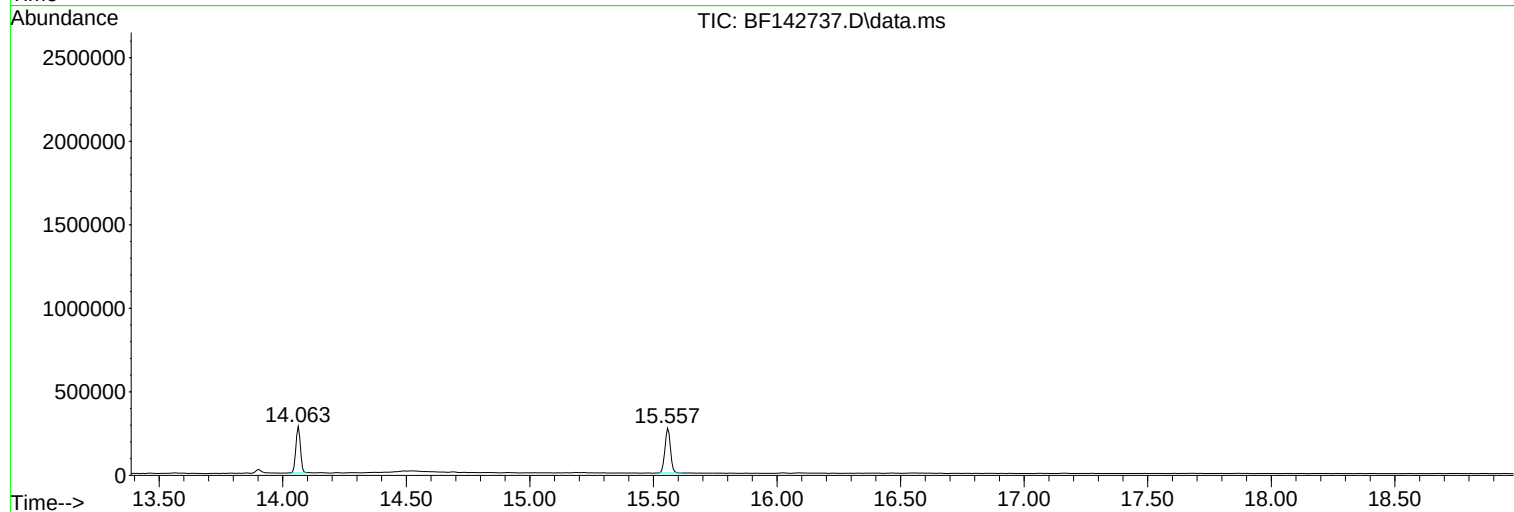
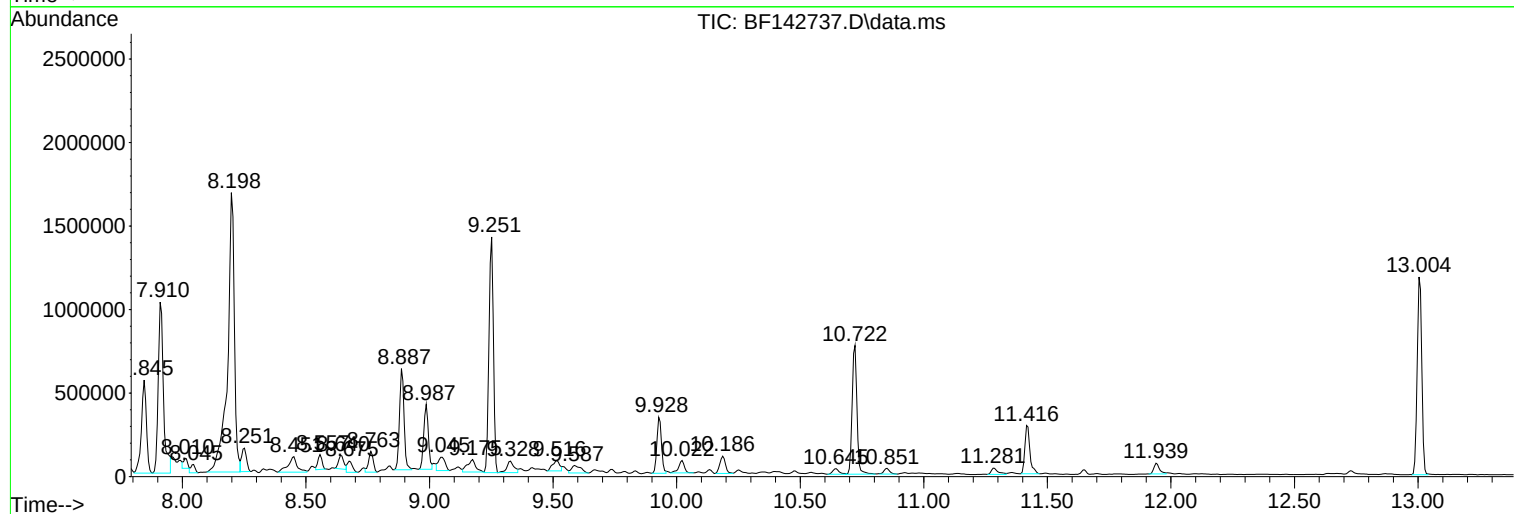
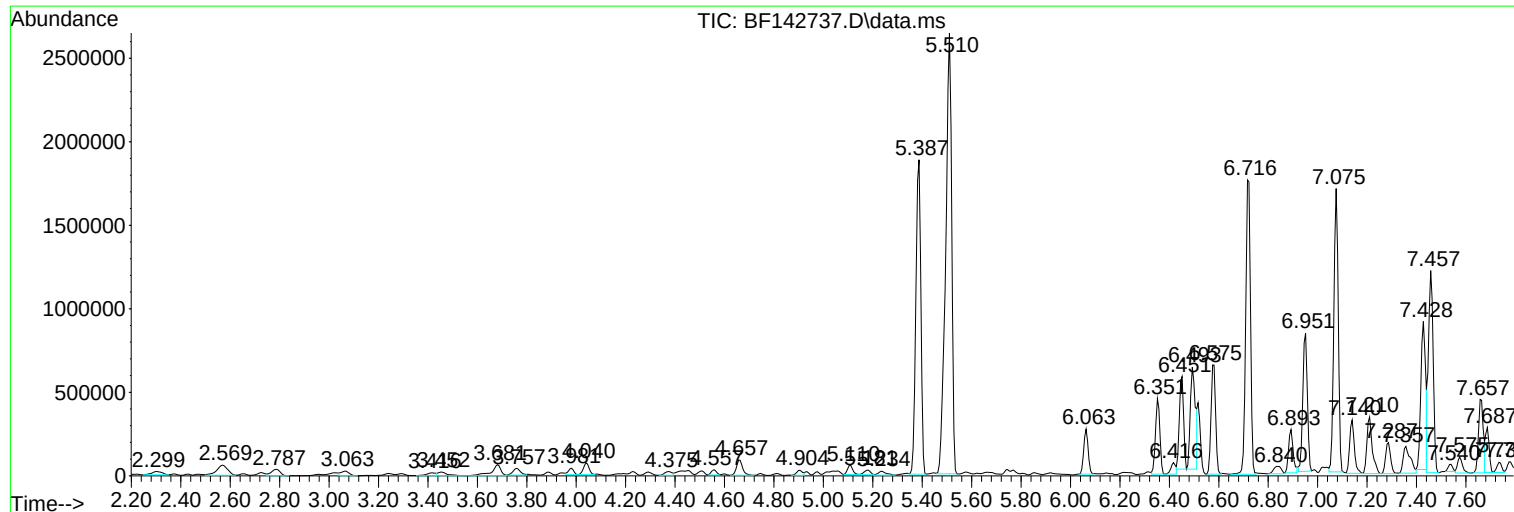
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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142737.D
Acq On : 11 Jun 2025 16:19
Operator : RC/JU
Sample : Q2268-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-2-20250605-A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.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\BF061125\
Data File : BF142737.D
Acq On : 11 Jun 2025 16:19
Operator : RC/JU
Sample : Q2268-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-2-20250605-A

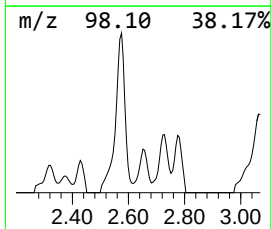
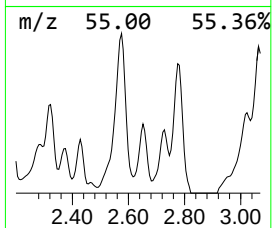
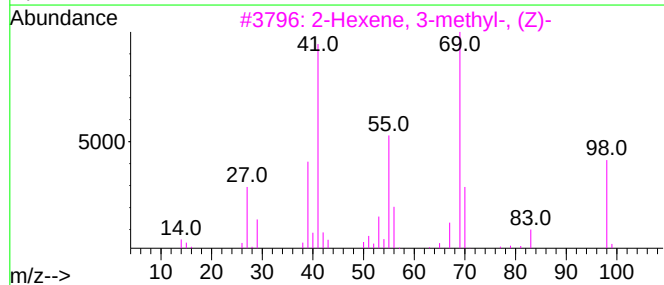
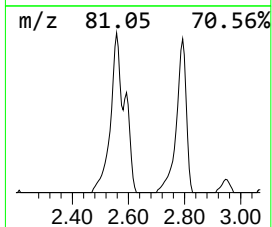
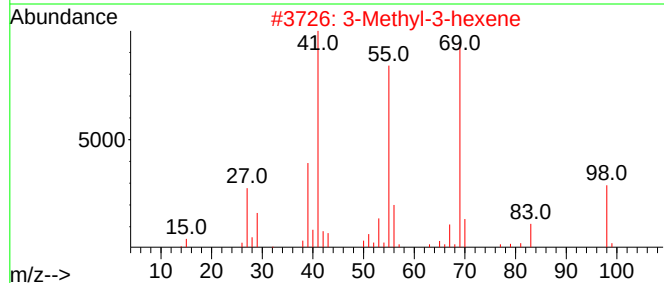
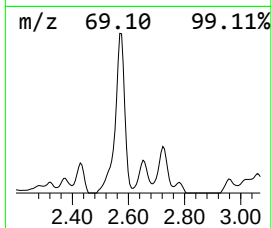
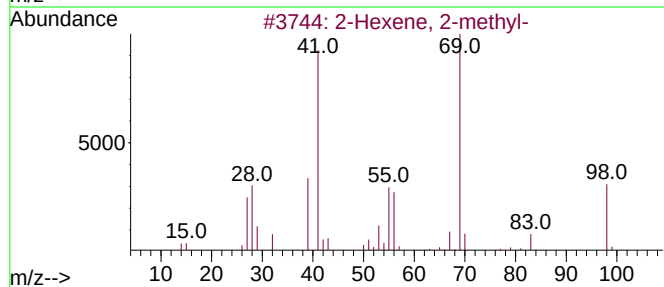
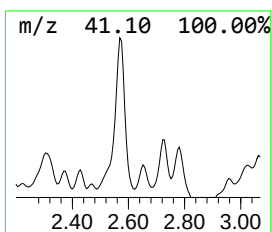
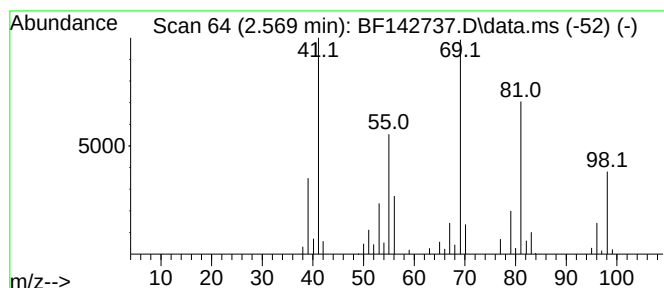
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Hexene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.569	10.97 ng	184301	1,4-Dichlorobenzene-d4	6.893

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexene, 2-methyl-			98	C7H14	002738-19-4	76
2	3-Methyl-3-hexene			98	C7H14	003404-65-7	70
3	2-Hexene, 3-methyl-, (Z)-			98	C7H14	010574-36-4	70
4	2-Ethyl-trans-2-butenal			98	C6H10O	063883-69-2	64
5	2-Pentenal, 2-methyl-			98	C6H10O	000623-36-9	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142737.D
Acq On : 11 Jun 2025 16:19
Operator : RC/JU
Sample : Q2268-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

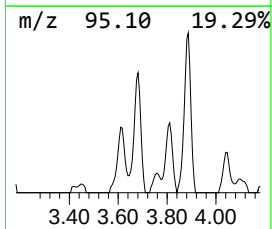
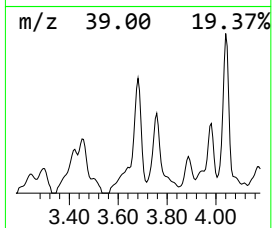
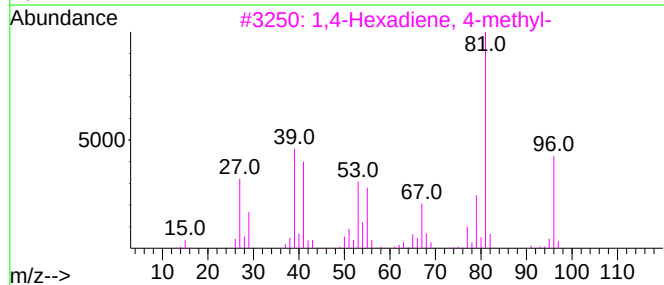
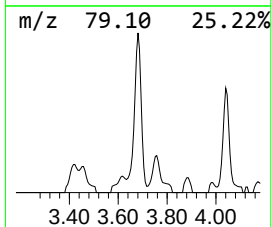
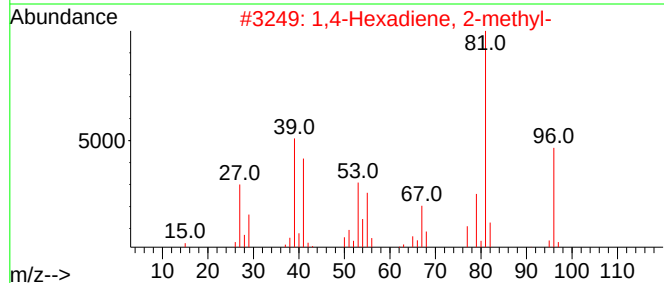
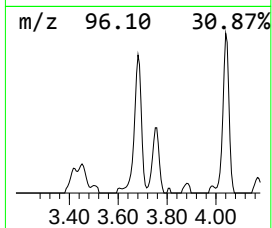
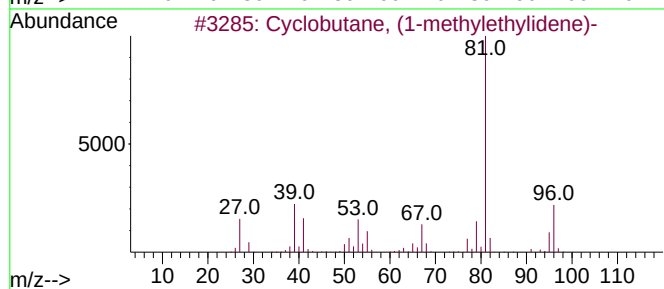
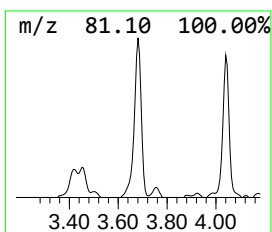
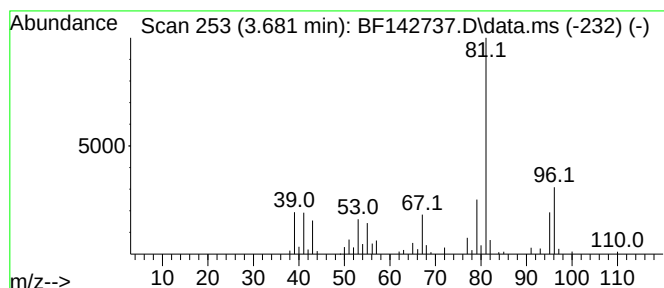
Instrument :
BNA_F
ClientSampleId :
MW-2-20250605-A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Cyclobutane, (1-methylethyl... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.	
3.681	10.47 ng	175780	1,4-Dichlorobenzene-d4	6.893	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	87
2	1,4-Hexadiene, 2-methyl-	96	C7H12	001119-14-8	80
3	1,4-Hexadiene, 4-methyl-	96	C7H12	001116-90-1	64
4	Cyclopentene, 1,5-dimethyl-	96	C7H12	016491-15-9	64
5	Cyclopentane, 1-methyl-2-methylene-	96	C7H12	041158-41-2	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142737.D
Acq On : 11 Jun 2025 16:19
Operator : RC/JU
Sample : Q2268-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-2-20250605-A

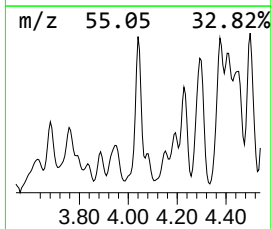
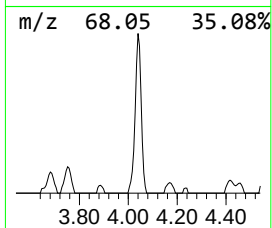
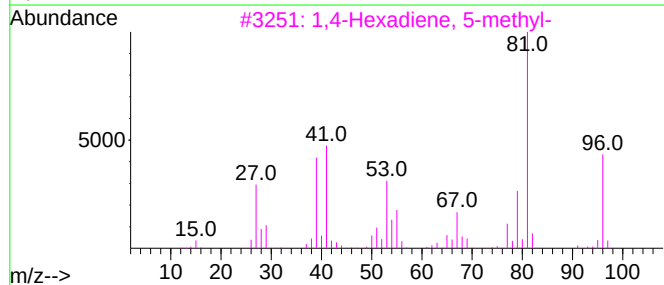
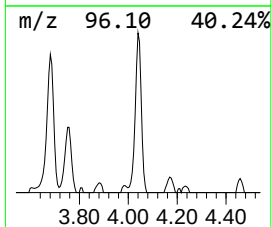
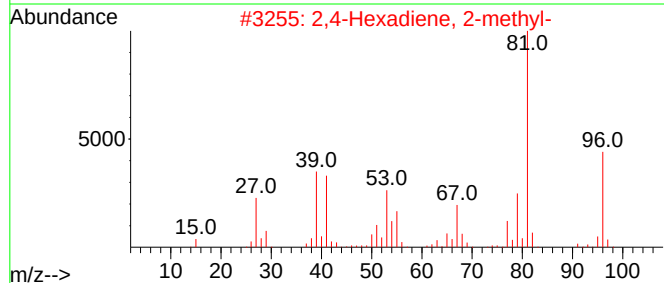
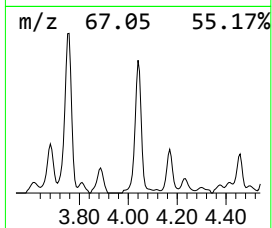
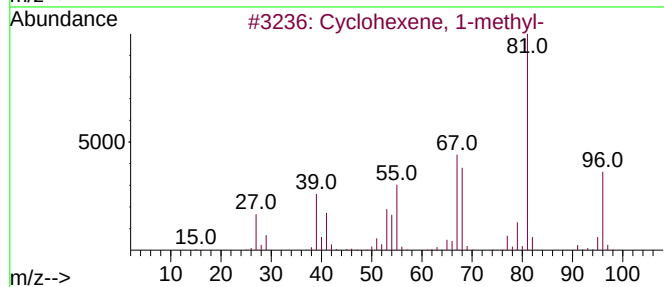
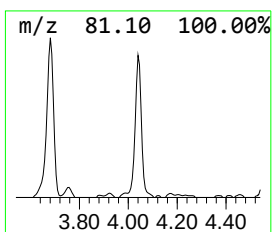
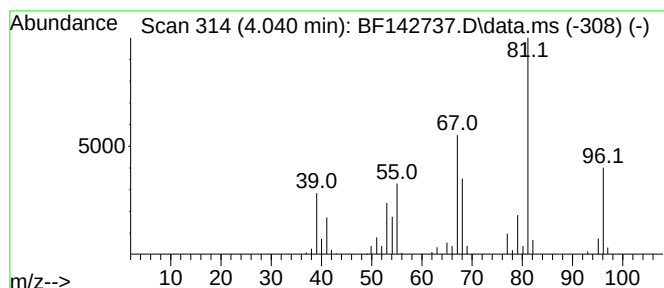
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Cyclohexene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.040	6.53 ng	109585	1,4-Dichlorobenzene-d4	6.893

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	94
2			2,4-Hexadiene, 2-methyl-	96	C7H12	028823-41-8	93
3			1,4-Hexadiene, 5-methyl-	96	C7H12	000763-88-2	93
4			Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	90
5			Cyclohexane, methylene-	96	C7H12	001192-37-6	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142737.D
Acq On : 11 Jun 2025 16:19
Operator : RC/JU
Sample : Q2268-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-2-20250605-A

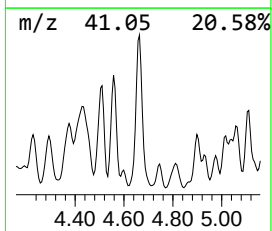
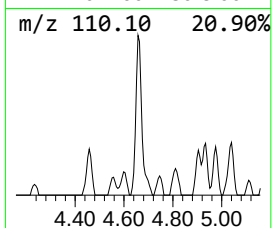
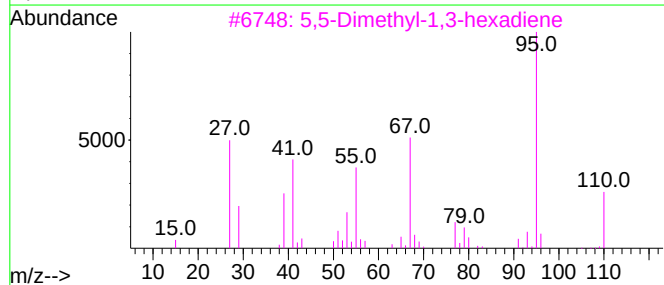
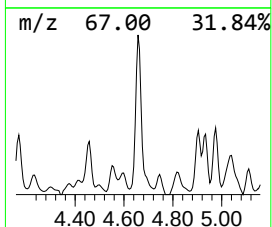
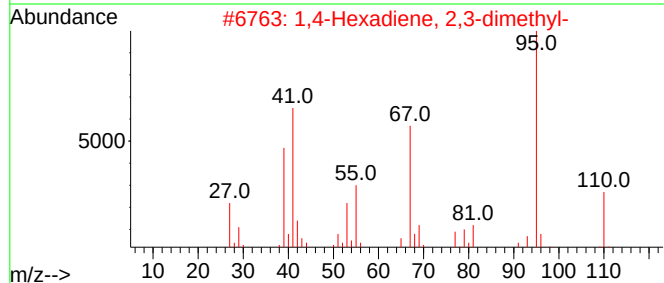
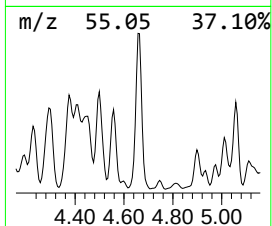
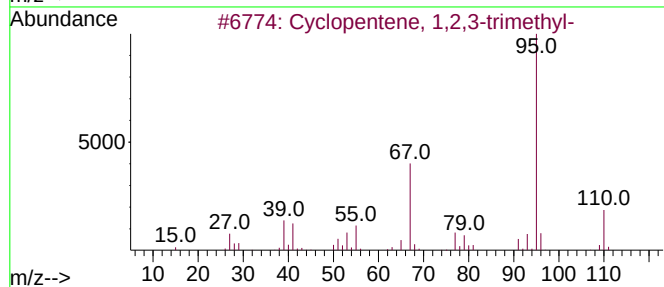
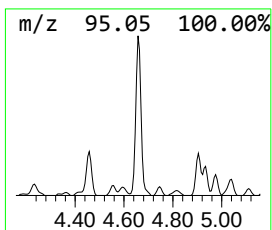
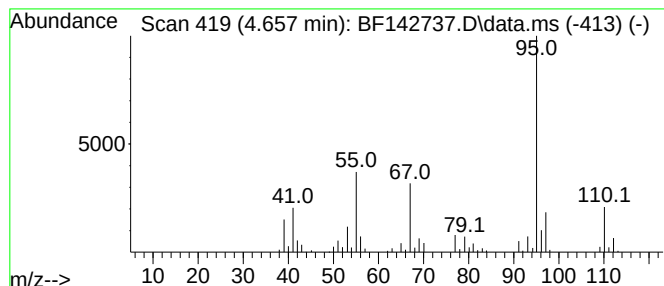
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Cyclopentene, 1,2,3-trimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.657	9.48 ng	159275	1,4-Dichlorobenzene-d4	6.893

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentene, 1,2,3-trimethyl-	110	C8H14	000473-91-6	93
2			1,4-Hexadiene, 2,3-dimethyl-	110	C8H14	018669-52-8	87
3			5,5-Dimethyl-1,3-hexadiene	110	C8H14	001515-79-3	83
4			1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	81
5			Bicyclo[3.1.0]hexane, 1,5-dimethyl-	110	C8H14	1010142-17-5	76



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142737.D
Acq On : 11 Jun 2025 16:19
Operator : RC/JU
Sample : Q2268-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-2-20250605-A

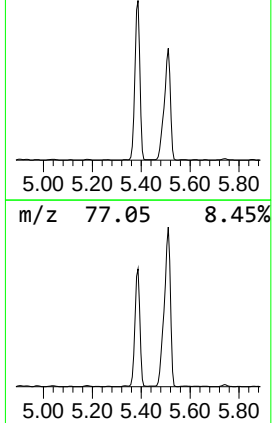
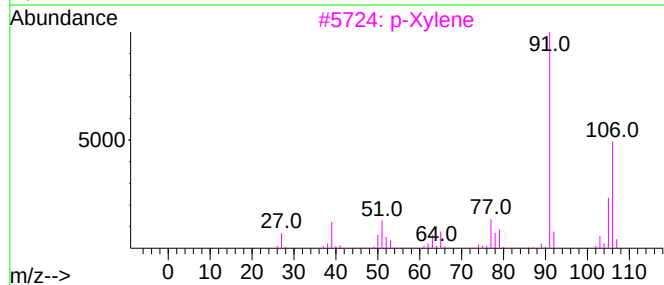
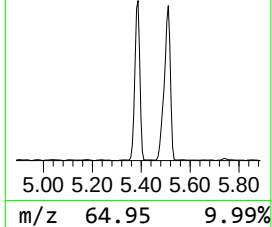
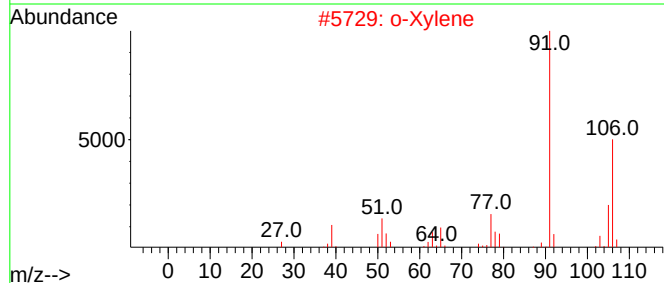
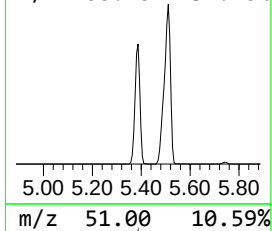
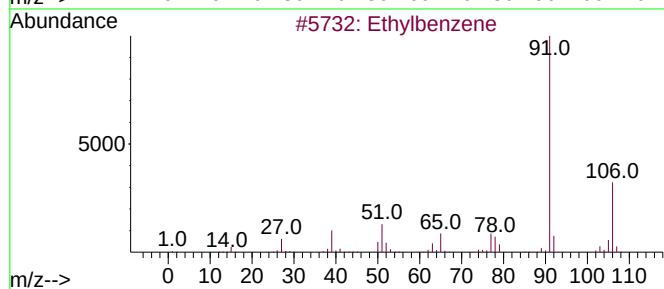
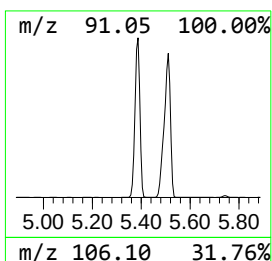
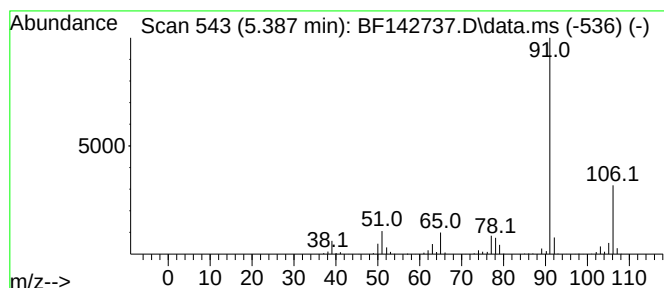
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Benzene, 1,3-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.387	155.89 ng	2617820	1,4-Dichlorobenzene-d4	6.893

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Ethylbenzene	106	C8H10	000100-41-4	94
2			o-Xylene	106	C8H10	000095-47-6	76
3			p-Xylene	106	C8H10	000106-42-3	72
4			Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	62
5			1,3-Cyclopentadiene, 5-(1-methyl...	106	C8H10	002175-91-9	52



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142737.D
Acq On : 11 Jun 2025 16:19
Operator : RC/JU
Sample : Q2268-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-2-20250605-A

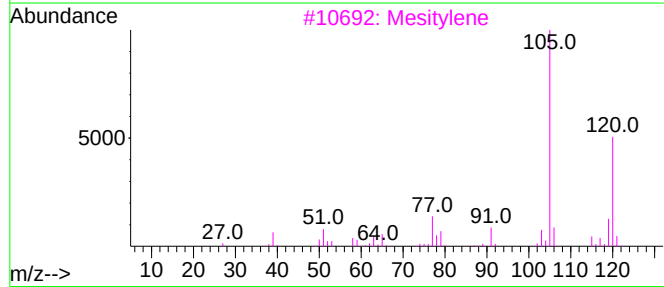
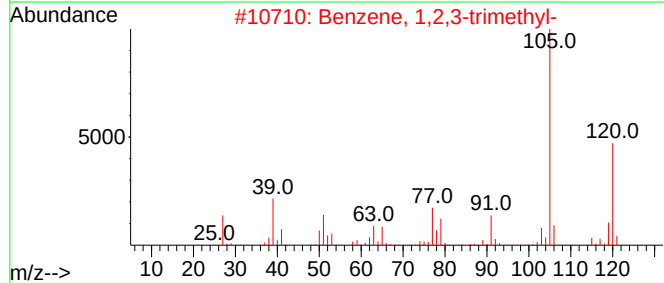
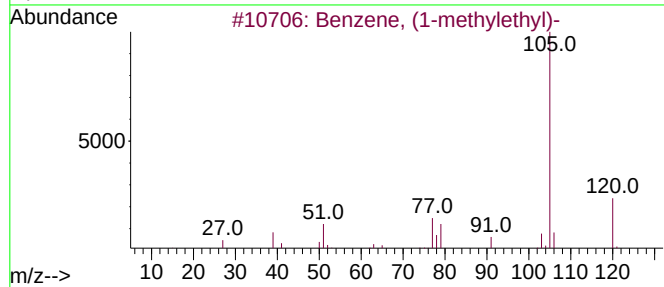
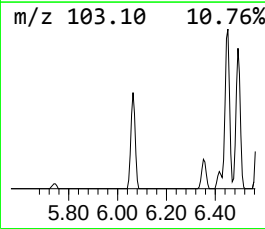
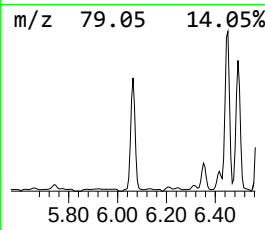
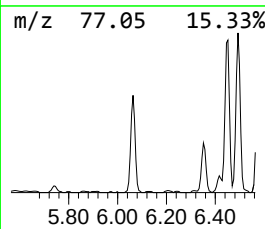
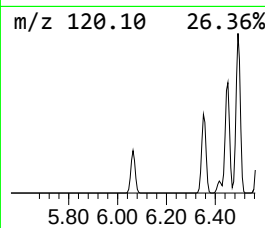
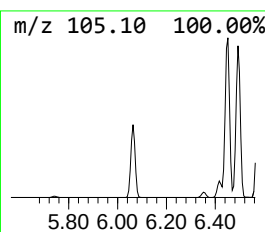
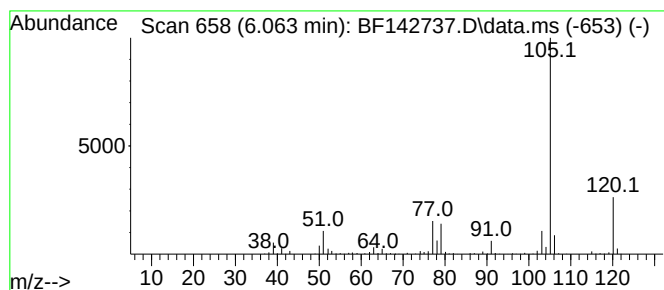
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Benzene, (1-methylethyl)- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.063	19.90 ng	334173	1,4-Dichlorobenzene-d4	6.893

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	95
2			Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
3			Mesitylene	120	C9H12	000108-67-8	87
4			Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	80
5			Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142737.D
Acq On : 11 Jun 2025 16:19
Operator : RC/JU
Sample : Q2268-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
MW-2-20250605-A

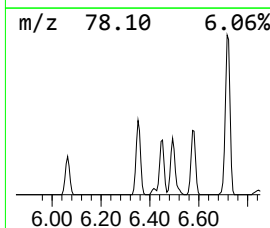
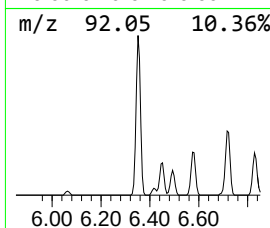
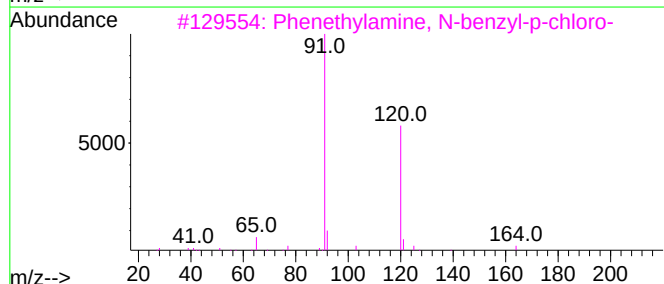
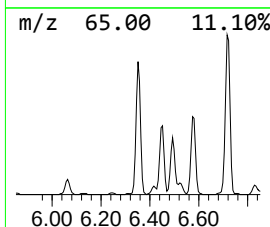
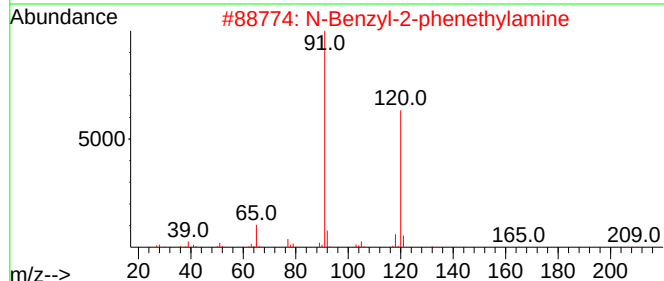
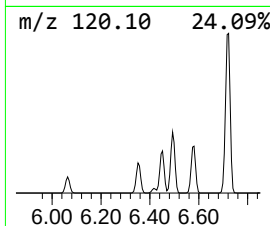
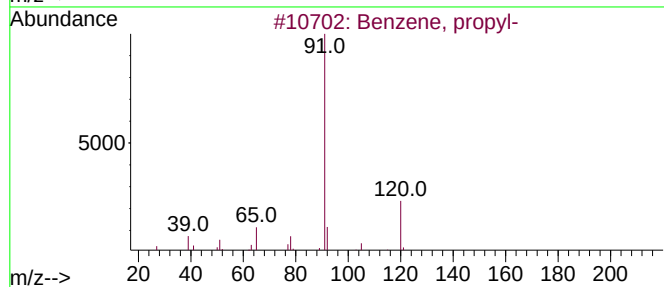
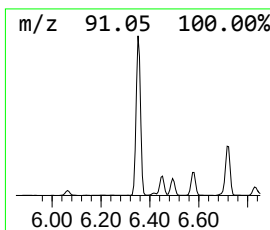
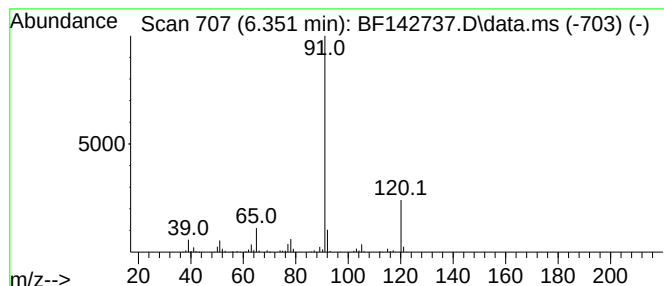
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 N-Benzyl-2-phenethylamine Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.351	33.28 ng	558807	1,4-Dichlorobenzene-d4	6.893

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, propyl-	120	C9H12	000103-65-1	94
2			N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	78
3			Phenethylamine, N-benzyl-p-chloro-	245	C15H16ClN	013622-43-0	72
4			N-Isobutyl(phenyl)methanesulfona...	227	C11H17NO2S	144615-94-1	72
5			Ethanol, 2-[(phenylmethyl)amino]-	151	C9H13NO	000104-63-2	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142737.D
Acq On : 11 Jun 2025 16:19
Operator : RC/JU
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Misc :
ALS Vial : 16 Sample Multiplier: 1

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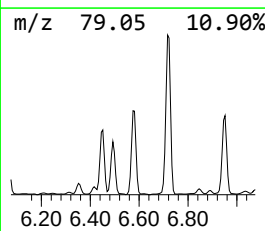
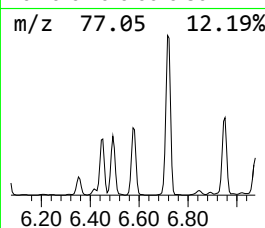
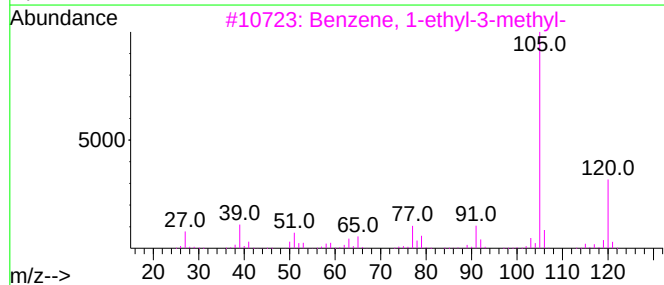
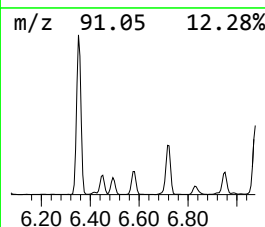
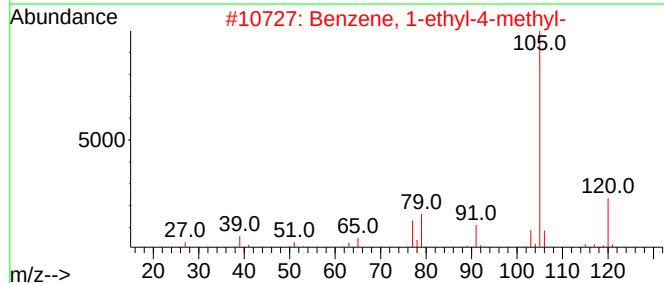
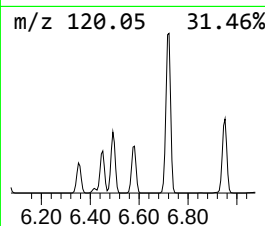
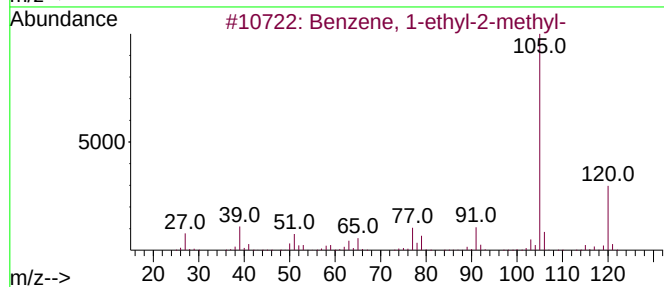
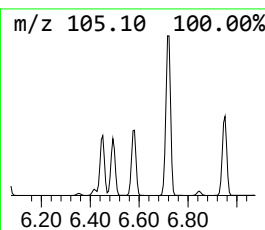
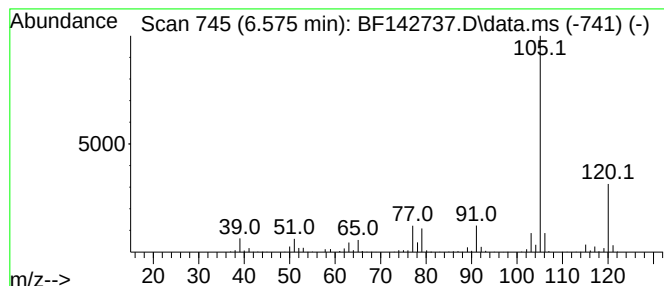
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Benzene, 1-ethyl-4-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.575	50.45 ng	847235	1,4-Dichlorobenzene-d4	6.893

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	94
3		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
4		Mesitylene	120	C9H12	000108-67-8	91
5		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142737.D
Acq On : 11 Jun 2025 16:19
Operator : RC/JU
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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
MW-2-20250605-A

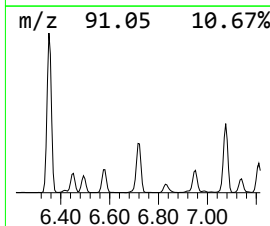
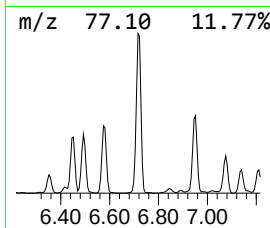
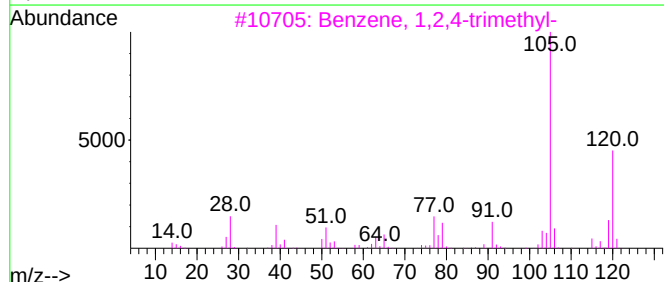
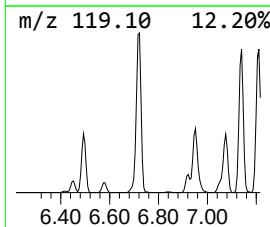
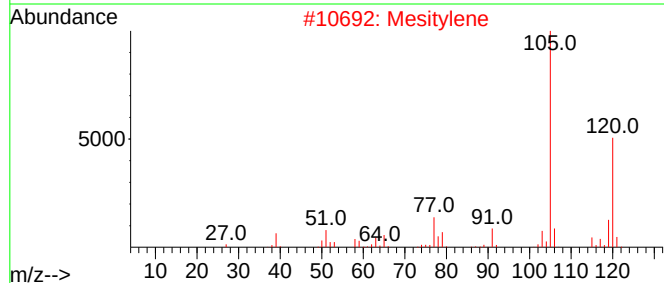
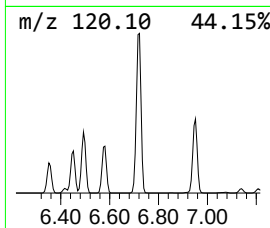
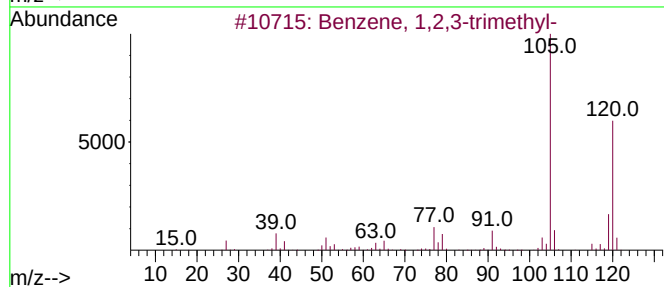
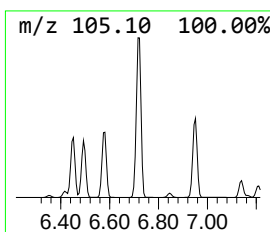
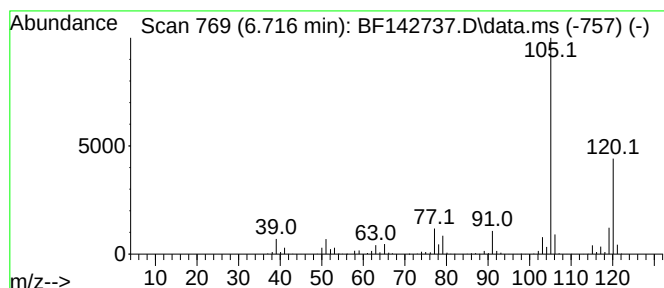
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Benzene, 1,2,3-trimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.716	141.76 ng	2380660	1,4-Dichlorobenzene-d4	6.893

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2		Mesitylene	120	C9H12	000108-67-8	97
3		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
4		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90
5		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142737.D
Acq On : 11 Jun 2025 16:19
Operator : RC/JU
Sample : Q2268-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-2-20250605-A

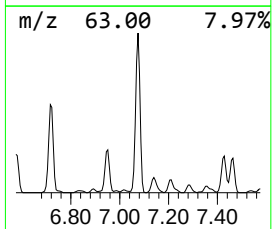
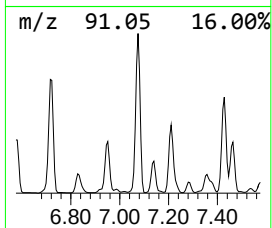
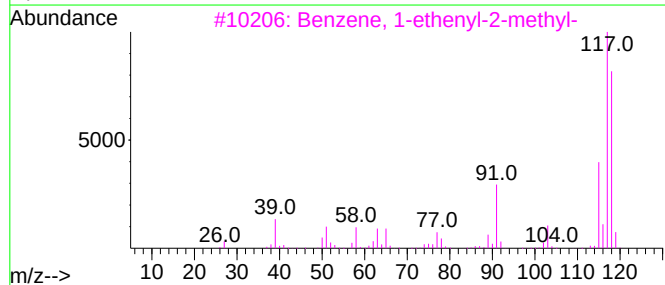
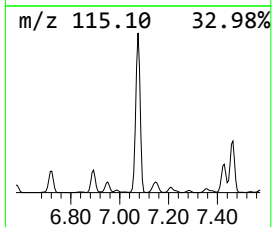
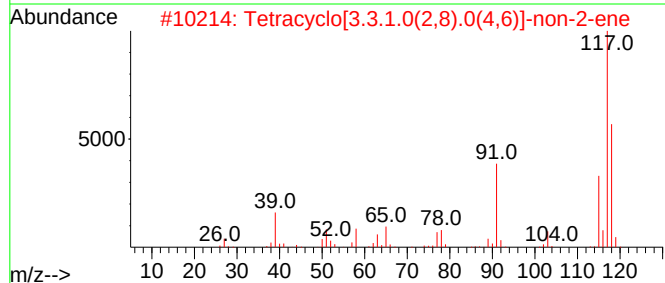
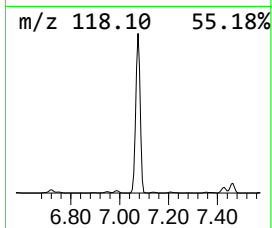
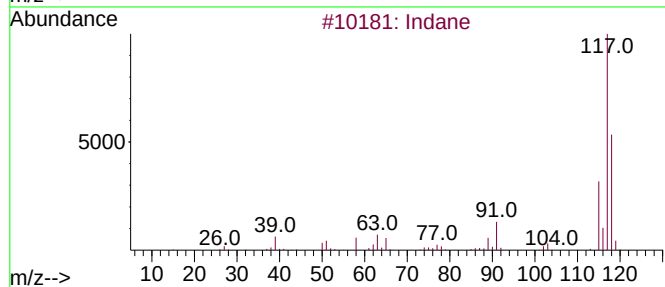
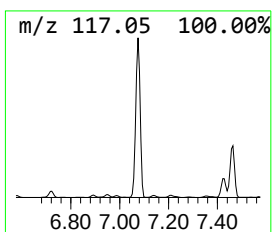
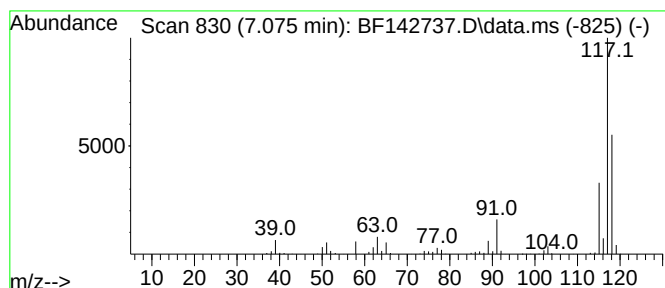
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Tetracyclo[3.3.1.0(2,8).0(4... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.075	125.98 ng	2115660	1,4-Dichlorobenzene-d4	6.893

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Indane	118	C9H10	000496-11-7	93
2		Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	80
3		Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	60
4		Benzene, 1,1'-(1,5-hexadiene-1,6...	234	C18H18	004439-45-6	59
5		Benzeneethanol, .beta.-ethenyl-	148	C10H12O	006052-63-7	53



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142737.D
Acq On : 11 Jun 2025 16:19
Operator : RC/JU
Sample : Q2268-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-2-20250605-A

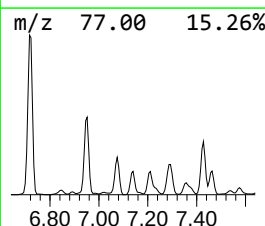
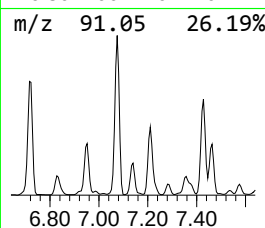
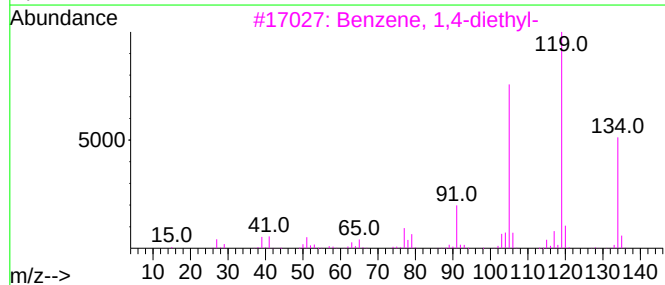
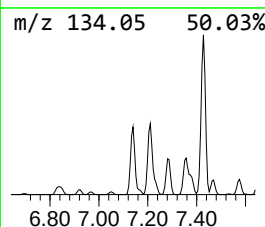
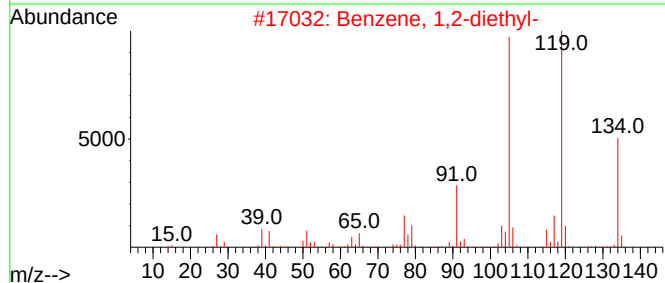
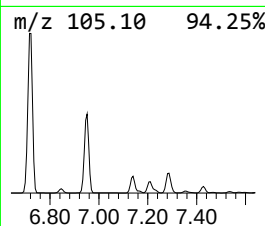
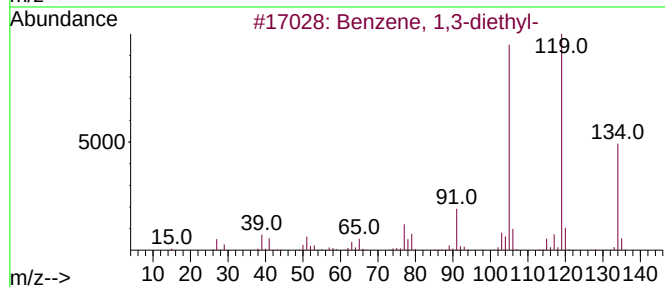
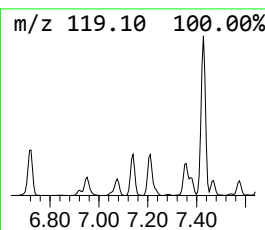
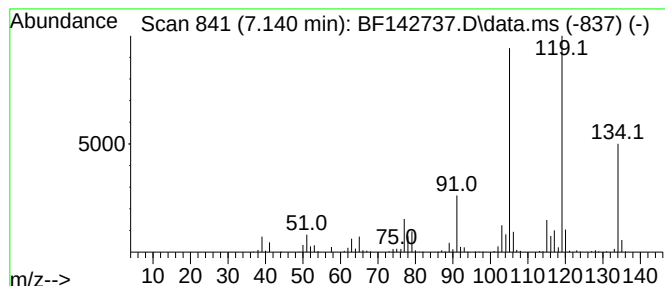
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Benzene, 1,3-diethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.140	25.05 ng	420631	1,4-Dichlorobenzene-d4	6.893

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	97
2			Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	95
3			Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	94
4			Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	87
5			Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	83



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142737.D
Acq On : 11 Jun 2025 16:19
Operator : RC/JU
Sample : Q2268-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-2-20250605-A

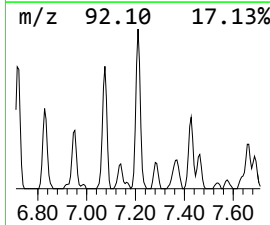
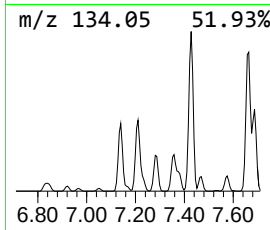
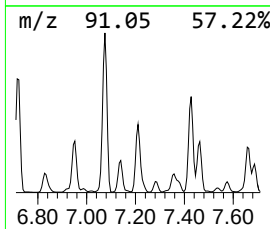
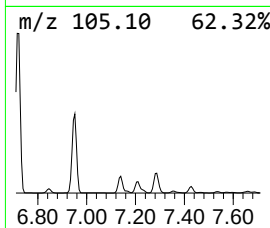
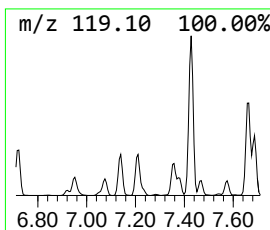
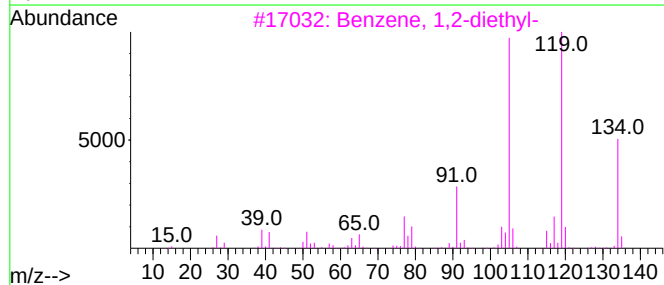
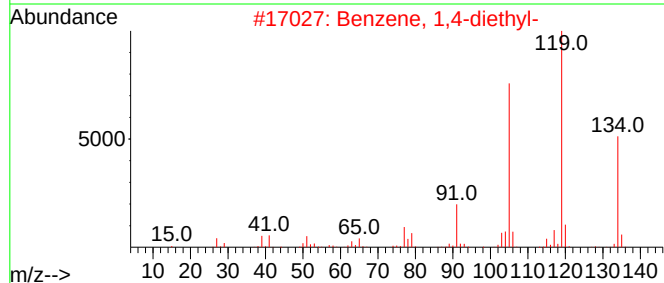
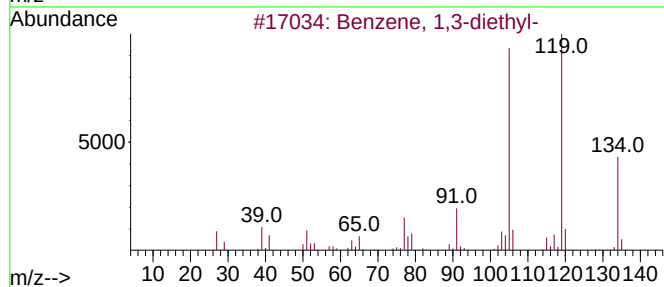
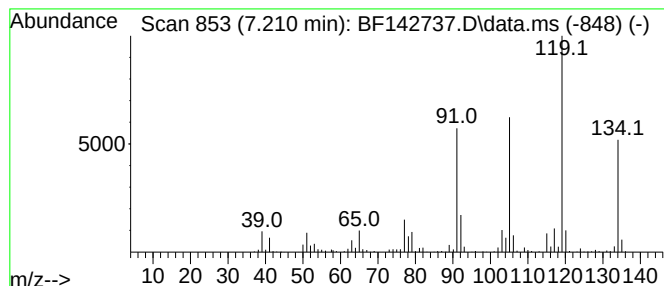
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Benzene, 1,4-diethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.210	30.32 ng	509099	1,4-Dichlorobenzene-d4	6.893

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	96
2		Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	95
3		Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	95
4		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
5		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142737.D
Acq On : 11 Jun 2025 16:19
Operator : RC/JU
Sample : Q2268-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
MW-2-20250605-A

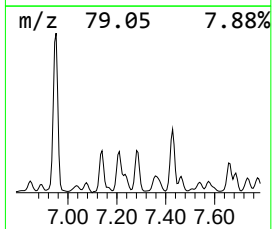
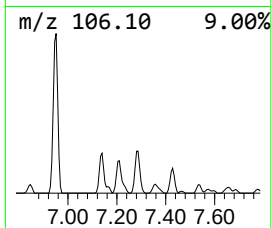
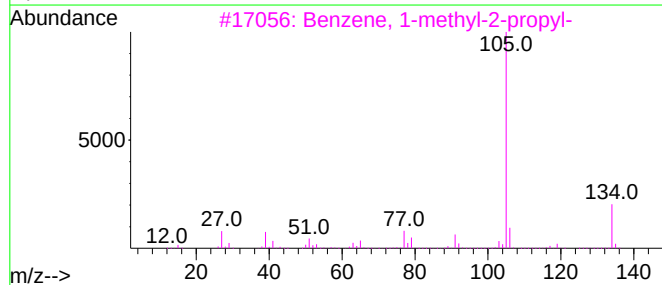
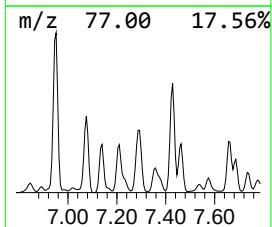
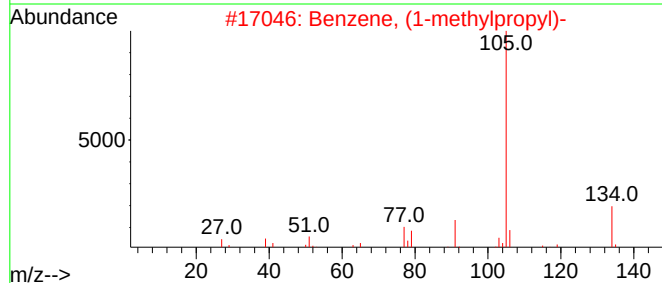
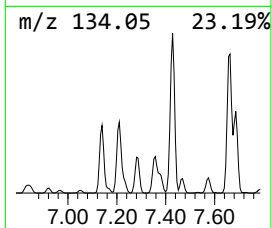
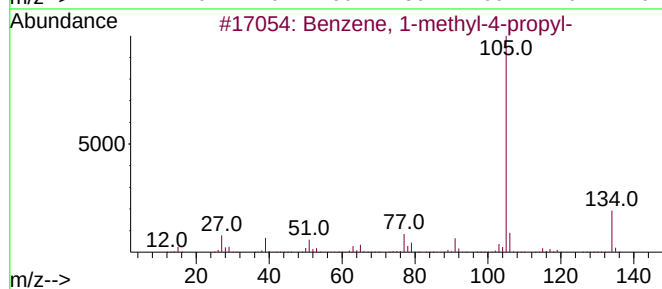
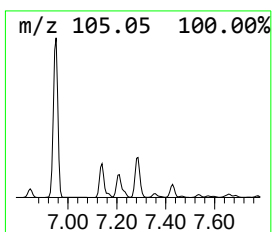
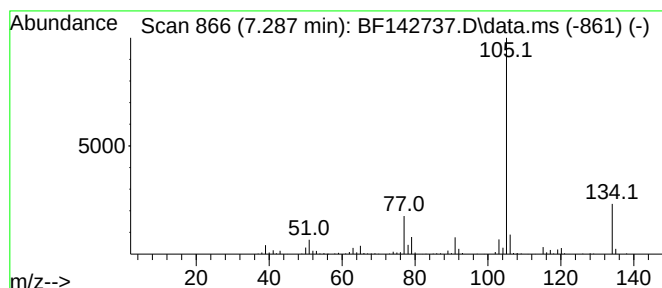
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Benzene, 1-methyl-4-propyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.287	15.55 ng	261166	1,4-Dichlorobenzene-d4	6.893

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	94
2			Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	91
3			Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	90
4			Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	64
5			2-Tolylloxirane	134	C9H10O	002783-26-8	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142737.D
Acq On : 11 Jun 2025 16:19
Operator : RC/JU
Sample : Q2268-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-2-20250605-A

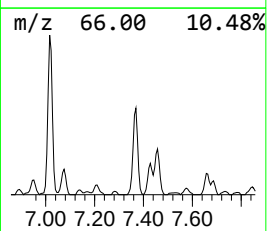
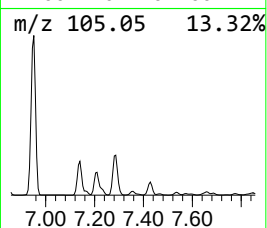
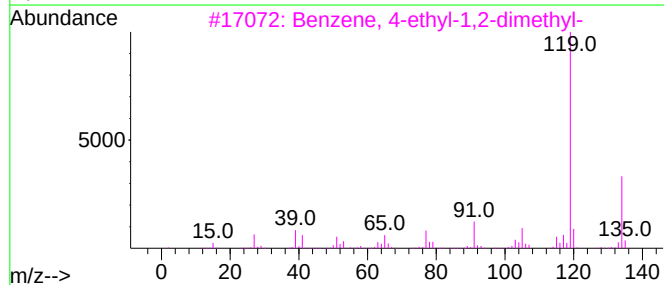
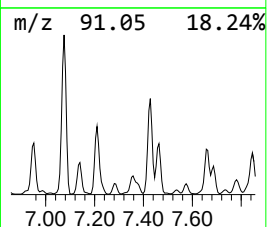
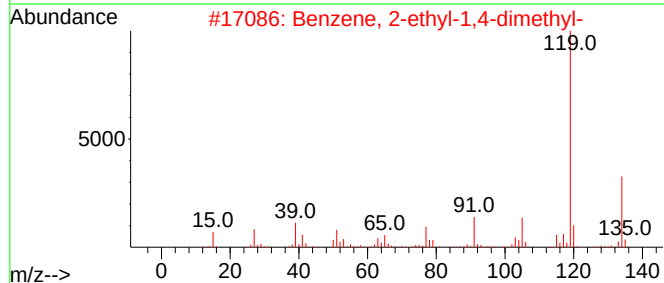
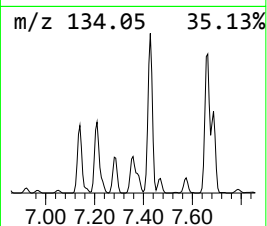
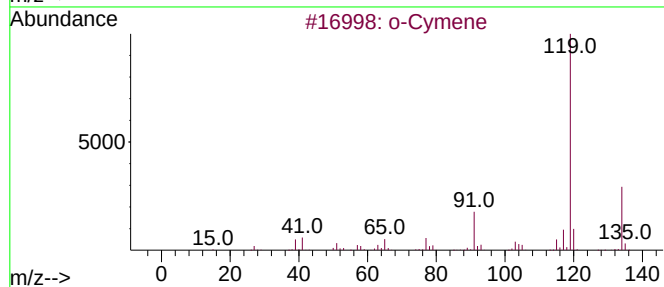
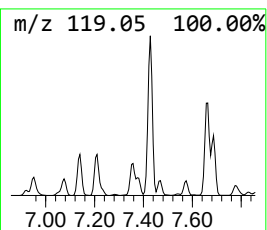
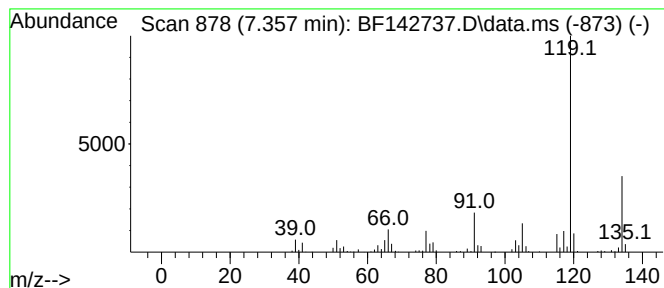
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 o-Cymene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.357	19.40 ng	325731	1,4-Dichlorobenzene-d4	6.893

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			o-Cymene	134	C10H14	000527-84-4	95
2			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
3			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	93
4			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	93
5			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142737.D
Acq On : 11 Jun 2025 16:19
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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
MW-2-20250605-A

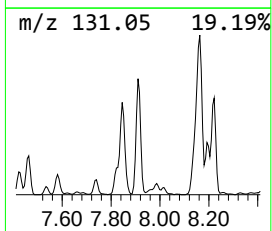
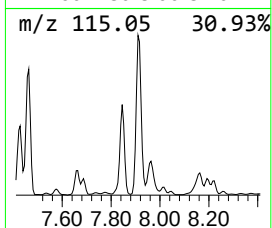
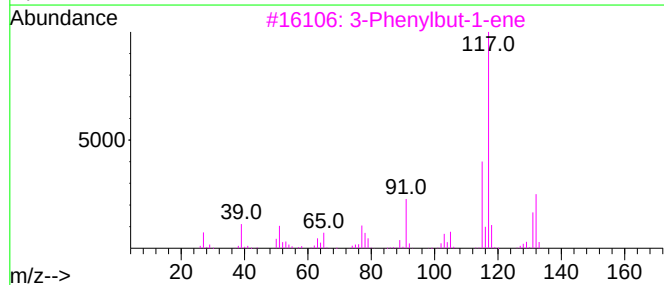
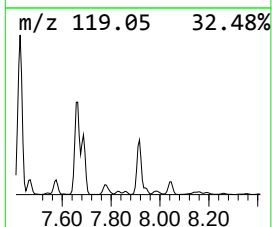
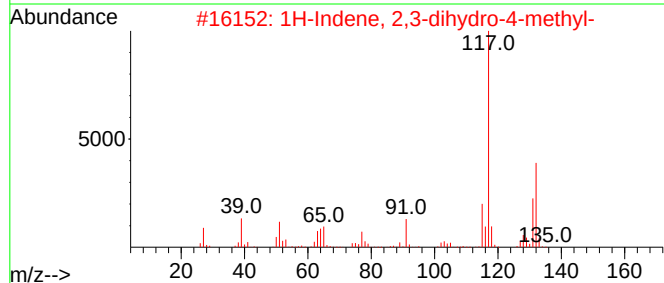
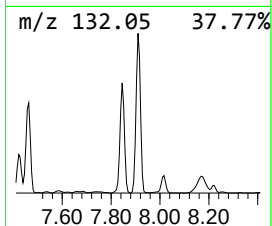
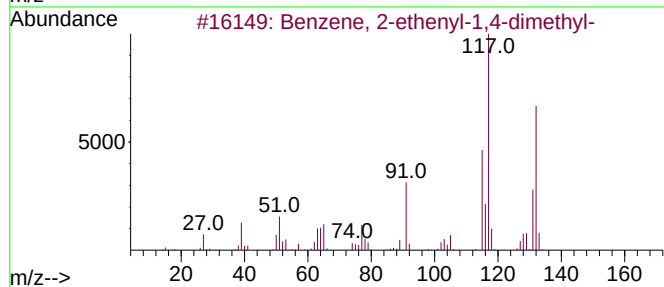
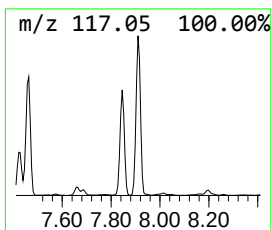
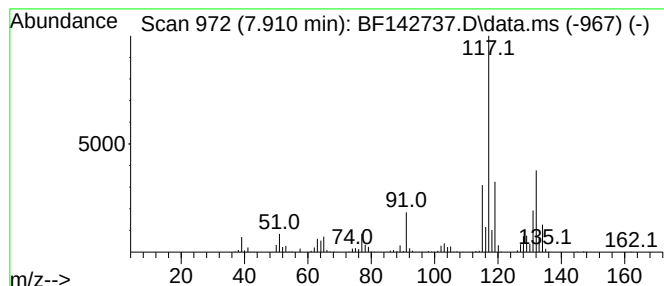
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.910	9.60 ng	1528530	Naphthalene-d8	8.175

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	95
2			1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	83
3			3-Phenylbut-1-ene	132	C10H12	000934-10-1	81
4			Benzene, 2-butenyl-	132	C10H12	001560-06-1	81
5			1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	76



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142737.D
Acq On : 11 Jun 2025 16:19
Operator : RC/JU
Sample : Q2268-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-2-20250605-A

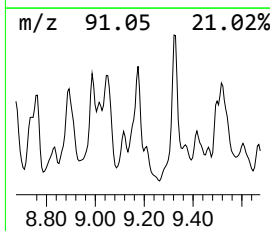
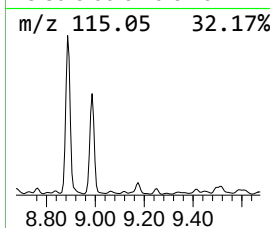
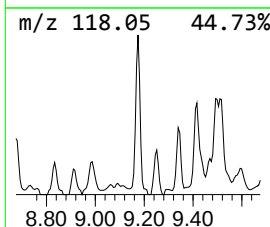
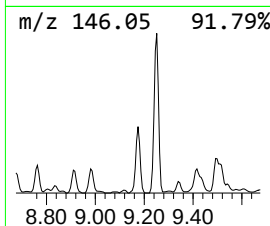
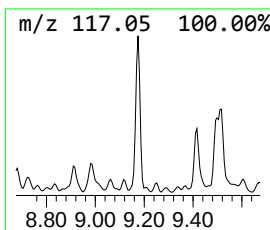
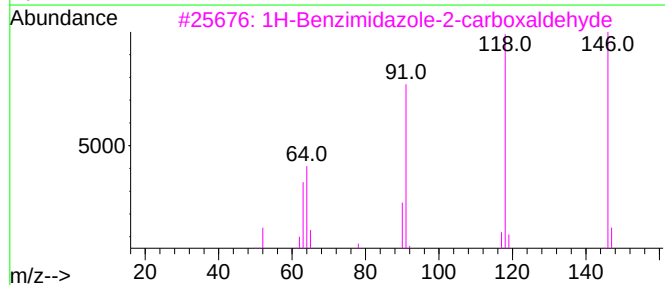
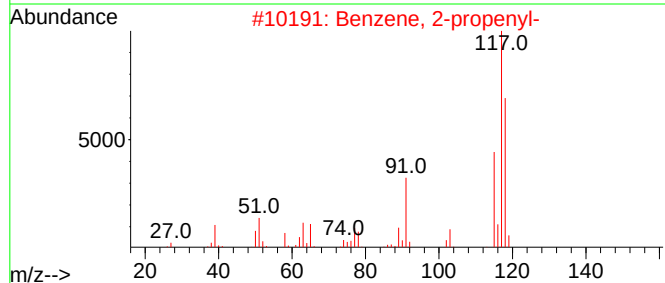
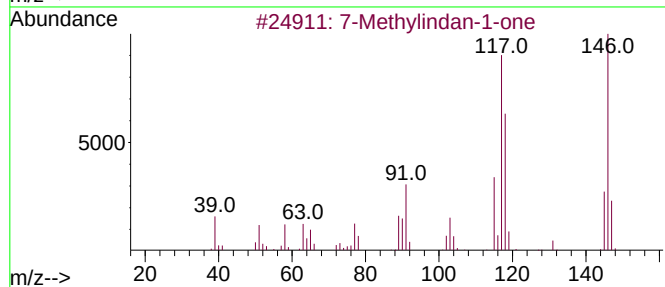
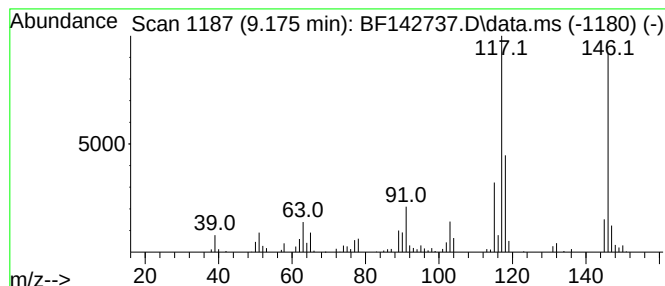
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 7-Methylindan-1-one Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.175	7.90 ng	169625	Acenaphthene-d10	9.928

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			7-Methylindan-1-one	146	C10H10O	039627-61-7	52
2			Benzene, 2-propenyl-	118	C9H10	000300-57-2	50
3			1H-Benzimidazole-2-carboxaldehyde	146	C8H6N2O	003314-30-5	46
4			Indane	118	C9H10	000496-11-7	45
5			Deltacyclene	118	C9H10	007785-10-6	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
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ALS Vial : 16 Sample Multiplier: 1

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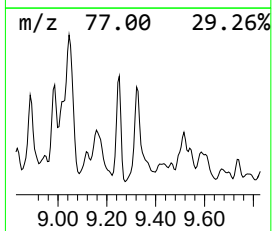
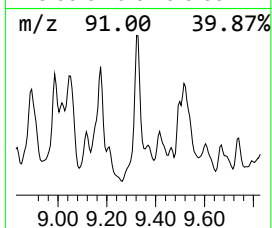
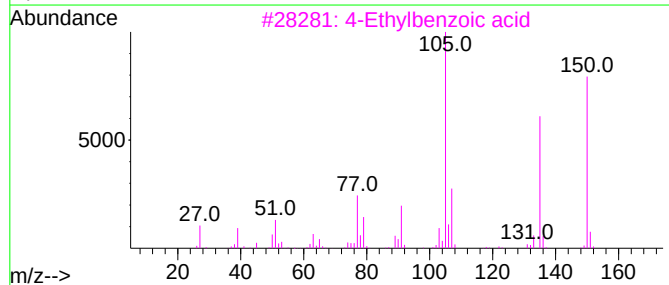
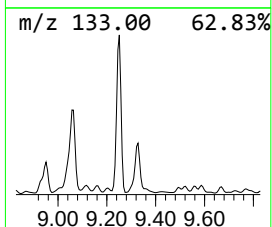
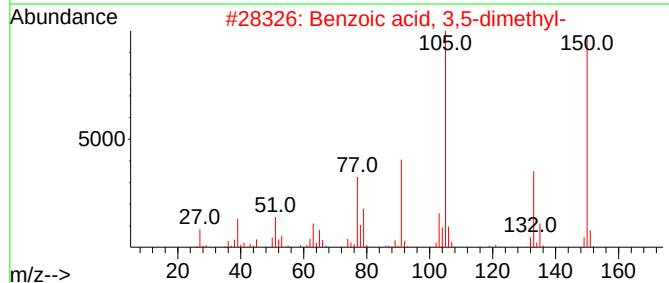
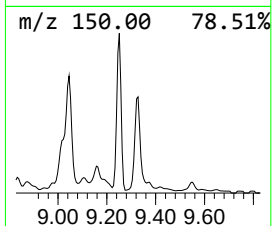
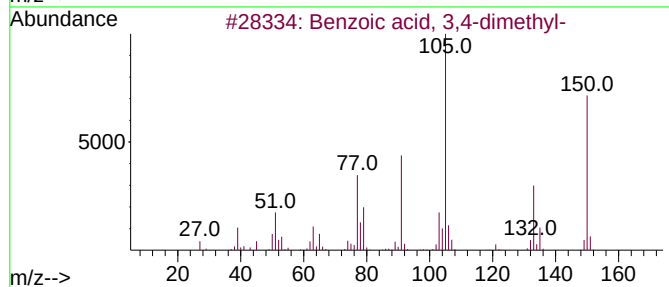
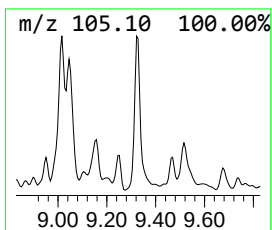
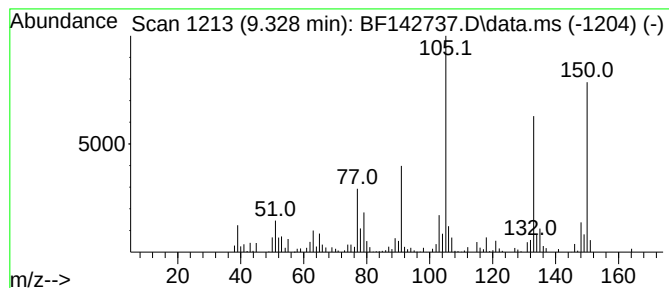
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Benzoic acid, 3,4-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.328	6.41 ng	137461	Acenaphthene-d10	9.928

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzoic acid, 3,4-dimethyl-	150	C9H10O2	000619-04-5	96
2		Benzoic acid, 3,5-dimethyl-	150	C9H10O2	000499-06-9	94
3		4-Ethylbenzoic acid	150	C9H10O2	000619-64-7	62
4		o-Tolylacetic acid	150	C9H10O2	000644-36-0	60
5		Benzeneacetic acid, .alpha.-methyl-	150	C9H10O2	000492-37-5	58



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142737.D
Acq On : 11 Jun 2025 16:19
Operator : RC/JU
Sample : Q2268-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

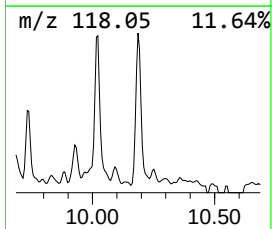
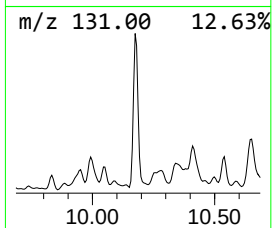
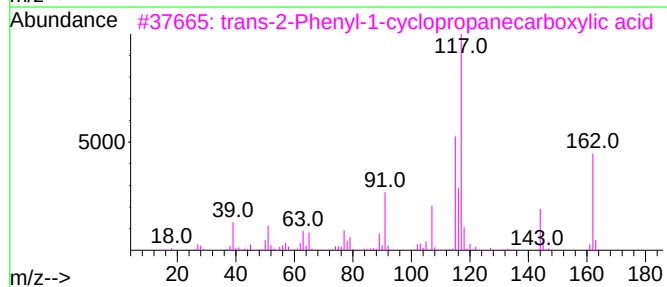
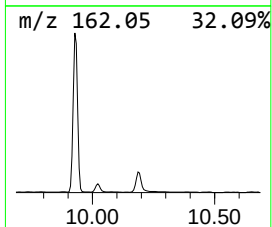
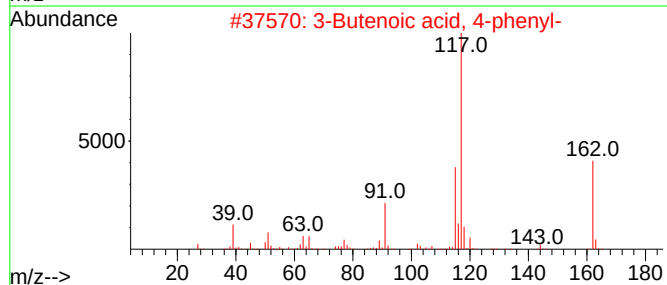
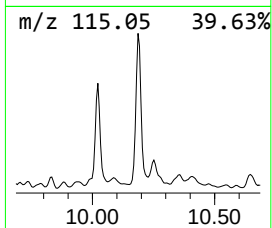
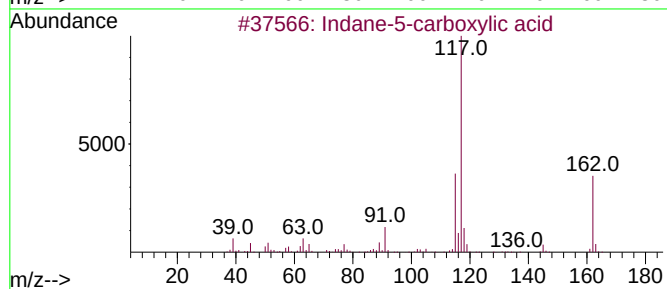
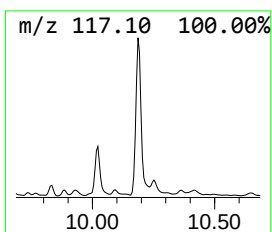
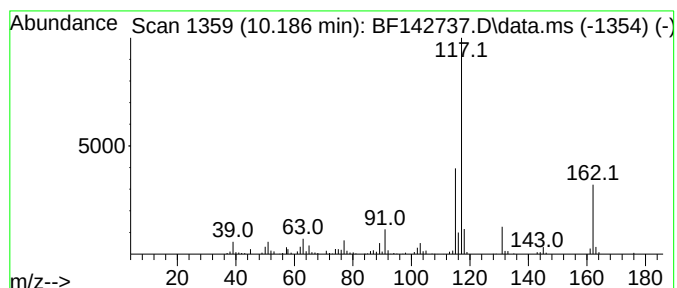
Instrument :
BNA_F
ClientSampleId :
MW-2-20250605-A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Indane-5-carboxylic acid Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.187	7.65 ng	164213	Acenaphthene-d10	9.928	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane-5-carboxylic acid	162	C10H10O2	065898-38-6	93
2	3-Butenoic acid, 4-phenyl-	162	C10H10O2	002243-53-0	87
3	trans-2-Phenyl-1-cyclopropanecar...	162	C10H10O2	000939-90-2	72
4	Benzene, 1-(chloromethyl)-3-ethe...	152	C9H9Cl	039833-65-3	64
5	Benzene, 1,1'-(1-ethenyl-1,3-pro...	222	C17H18	061141-97-7	59



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142737.D
Acq On : 11 Jun 2025 16:19
Operator : RC/JU
Sample : Q2268-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-2-20250605-A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.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
2-Hexene, 2-met...	2.569	11.0	ng	184301	1	6.893	335863	20.0
Cyclobutane, (1...	3.681	10.5	ng	175780	1	6.893	335863	20.0
Cyclohexene, 1-...	4.040	6.5	ng	109585	1	6.893	335863	20.0
Cyclopentene, 1...	4.657	9.5	ng	159275	1	6.893	335863	20.0
Benzene, 1,3-di...	5.387	155.9	ng	2617820	1	6.893	335863	20.0
Benzene, (1-met...	6.063	19.9	ng	334173	1	6.893	335863	20.0
N-Benzyl-2-phen...	6.351	33.3	ng	558807	1	6.893	335863	20.0
Benzene, 1-ethy...	6.575	50.5	ng	847235	1	6.893	335863	20.0
Benzene, 1,2,3-...	6.716	141.8	ng	2380660	1	6.893	335863	20.0
Tetracyclo[3.3...	7.075	126.0	ng	2115660	1	6.893	335863	20.0
Benzene, 1,3-di...	7.140	25.1	ng	420631	1	6.893	335863	20.0
Benzene, 1,4-di...	7.210	30.3	ng	509099	1	6.893	335863	20.0
Benzene, 1-meth...	7.287	15.6	ng	261166	1	6.893	335863	20.0
o-Cymene	7.357	19.4	ng	325731	1	6.893	335863	20.0
Benzene, 2-ethe...	7.910	9.6	ng	1528530	2	8.175	3184370	20.0
7-Methylindan-1...	9.175	7.9	ng	169625	3	9.928	429203	20.0
Benzoic acid, 3...	9.328	6.4	ng	137461	3	9.928	429203	20.0
Indane-5-carbox...	10.187	7.7	ng	164213	3	9.928	429203	20.0

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	06/05/25
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	06/06/25
Client Sample ID:	MW-2-20250605-ADL	SDG No.:	Q2268
Lab Sample ID:	Q2268-06DL	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142753.D	2	06/10/25 08:10	06/12/25 13:00	PB168376

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	8.10	UD	8.10	20.8	ug/L
108-95-2	Phenol	1.90	UD	1.90	10.4	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.70	UD	1.70	10.4	ug/L
95-57-8	2-Chlorophenol	1.20	UD	1.20	10.4	ug/L
95-48-7	2-Methylphenol	2.30	UD	2.30	10.4	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	2.70	UD	2.70	10.4	ug/L
98-86-2	Acetophenone	1.50	UD	1.50	10.4	ug/L
65794-96-9	3+4-Methylphenols	2.30	UD	2.30	20.8	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2.90	UD	2.90	5.20	ug/L
67-72-1	Hexachloroethane	1.40	UD	1.40	10.4	ug/L
98-95-3	Nitrobenzene	1.60	UD	1.60	10.4	ug/L
78-59-1	Isophorone	1.60	UD	1.60	10.4	ug/L
88-75-5	2-Nitrophenol	3.70	UD	3.70	10.4	ug/L
105-67-9	2,4-Dimethylphenol	3.90	UD	3.90	10.4	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1.40	UD	1.40	10.4	ug/L
120-83-2	2,4-Dichlorophenol	1.10	UD	1.10	10.4	ug/L
91-20-3	Naphthalene	120	D	1.00	10.4	ug/L
106-47-8	4-Chloroaniline	1.80	UD	1.80	10.4	ug/L
87-68-3	Hexachlorobutadiene	1.10	UD	1.10	10.4	ug/L
105-60-2	Caprolactam	2.40	UD	2.40	20.8	ug/L
59-50-7	4-Chloro-3-methylphenol	1.20	UD	1.20	10.4	ug/L
91-57-6	2-Methylnaphthalene	44.0	D	1.20	10.4	ug/L
77-47-4	Hexachlorocyclopentadiene	7.60	UD	7.60	20.8	ug/L
88-06-2	2,4,6-Trichlorophenol	1.10	UD	1.10	10.4	ug/L
95-95-4	2,4,5-Trichlorophenol	1.30	UD	1.30	10.4	ug/L
92-52-4	1,1-Biphenyl	1.10	UD	1.10	10.4	ug/L
91-58-7	2-Chloronaphthalene	1.30	UD	1.30	10.4	ug/L
88-74-4	2-Nitroaniline	2.60	UD	2.60	10.4	ug/L
131-11-3	Dimethylphthalate	1.30	UD	1.30	10.4	ug/L

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	06/05/25
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	06/06/25
Client Sample ID:	MW-2-20250605-ADL	SDG No.:	Q2268
Lab Sample ID:	Q2268-06DL	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142753.D	2	06/10/25 08:10	06/12/25 13:00	PB168376

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	1.60	UD	1.60	10.4	ug/L
606-20-2	2,6-Dinitrotoluene	1.90	UD	1.90	10.4	ug/L
99-09-2	3-Nitroaniline	2.20	UD	2.20	10.4	ug/L
83-32-9	Acenaphthene	1.10	UD	1.10	10.4	ug/L
51-28-5	2,4-Dinitrophenol	12.4	UD	12.4	20.8	ug/L
100-02-7	4-Nitrophenol	5.00	UD	5.00	20.8	ug/L
132-64-9	Dibenzofuran	1.30	UD	1.30	10.4	ug/L
121-14-2	2,4-Dinitrotoluene	2.50	UD	2.50	10.4	ug/L
84-66-2	Diethylphthalate	1.40	UD	1.40	10.4	ug/L
7005-72-3	4-Chlorophenyl-phenylether	1.40	UD	1.40	10.4	ug/L
86-73-7	Fluorene	1.30	UD	1.30	10.4	ug/L
100-01-6	4-Nitroaniline	3.10	UD	3.10	10.4	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	6.00	UD	6.00	20.8	ug/L
86-30-6	n-Nitrosodiphenylamine	1.20	UD	1.20	10.4	ug/L
101-55-3	4-Bromophenyl-phenylether	0.83	UD	0.83	10.4	ug/L
118-74-1	Hexachlorobenzene	1.10	UD	1.10	10.4	ug/L
1912-24-9	Atrazine	2.10	UD	2.10	10.4	ug/L
87-86-5	Pentachlorophenol	3.30	UD	3.30	20.8	ug/L
85-01-8	Phenanthrene	1.00	UD	1.00	10.4	ug/L
120-12-7	Anthracene	1.30	UD	1.30	10.4	ug/L
86-74-8	Carbazole	1.50	UD	1.50	10.4	ug/L
84-74-2	Di-n-butylphthalate	2.50	UD	2.50	10.4	ug/L
206-44-0	Fluoranthene	1.70	UD	1.70	10.4	ug/L
129-00-0	Pyrene	1.00	UD	1.00	10.4	ug/L
85-68-7	Butylbenzylphthalate	4.00	UD	4.00	10.4	ug/L
91-94-1	3,3-Dichlorobenzidine	1.90	UD	1.90	20.8	ug/L
56-55-3	Benzo(a)anthracene	0.94	UD	0.94	10.4	ug/L
218-01-9	Chrysene	0.92	UD	0.92	10.4	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	3.30	UD	3.30	10.4	ug/L
117-84-0	Di-n-octyl phthalate	4.90	UD	4.90	20.8	ug/L
205-99-2	Benzo(b)fluoranthene	1.00	UD	1.00	10.4	ug/L

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	06/05/25
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	06/06/25
Client Sample ID:	MW-2-20250605-ADL	SDG No.:	Q2268
Lab Sample ID:	Q2268-06DL	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142753.D	2	06/10/25 08:10	06/12/25 13:00	PB168376

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	1.00	UD	1.00	10.4	ug/L
50-32-8	Benzo(a)pyrene	1.10	UD	1.10	10.4	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1.20	UD	1.20	10.4	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.40	UD	1.40	10.4	ug/L
191-24-2	Benzo(g,h,i)perylene	1.40	UD	1.40	10.4	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.10	UD	1.10	10.4	ug/L
123-91-1	1,4-Dioxane	2.10	UD	2.10	10.4	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	1.50	UD	1.50	10.4	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	73.6		23 - 138	49%	SPK: 150
13127-88-3	Phenol-d6	55.0		10 - 134	37%	SPK: 150
4165-60-0	Nitrobenzene-d5	91.1		67 - 132	91%	SPK: 100
321-60-8	2-Fluorobiphenyl	92.6		52 - 132	93%	SPK: 100
118-79-6	2,4,6-Tribromophenol	144		44 - 137	96%	SPK: 150
1718-51-0	Terphenyl-d14	88.9		42 - 152	89%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	66900	6.892			
1146-65-2	Naphthalene-d8	248000	8.175			
15067-26-2	Acenaphthene-d10	136000	9.928			
1517-22-2	Phenanthrene-d10	218000	11.416			
1719-03-5	Chrysene-d12	118000	14.063			
1520-96-3	Perylene-d12	147000	15.557			

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\BF061225\
Data File : BF142753.D
Acq On : 12 Jun 2025 13:00
Operator : RC/JU
Sample : Q2268-06DL 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-2-20250605-ADL

Quant Time: Jun 12 13:56:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 11 05:56:09 2025
Response via : Initial Calibration

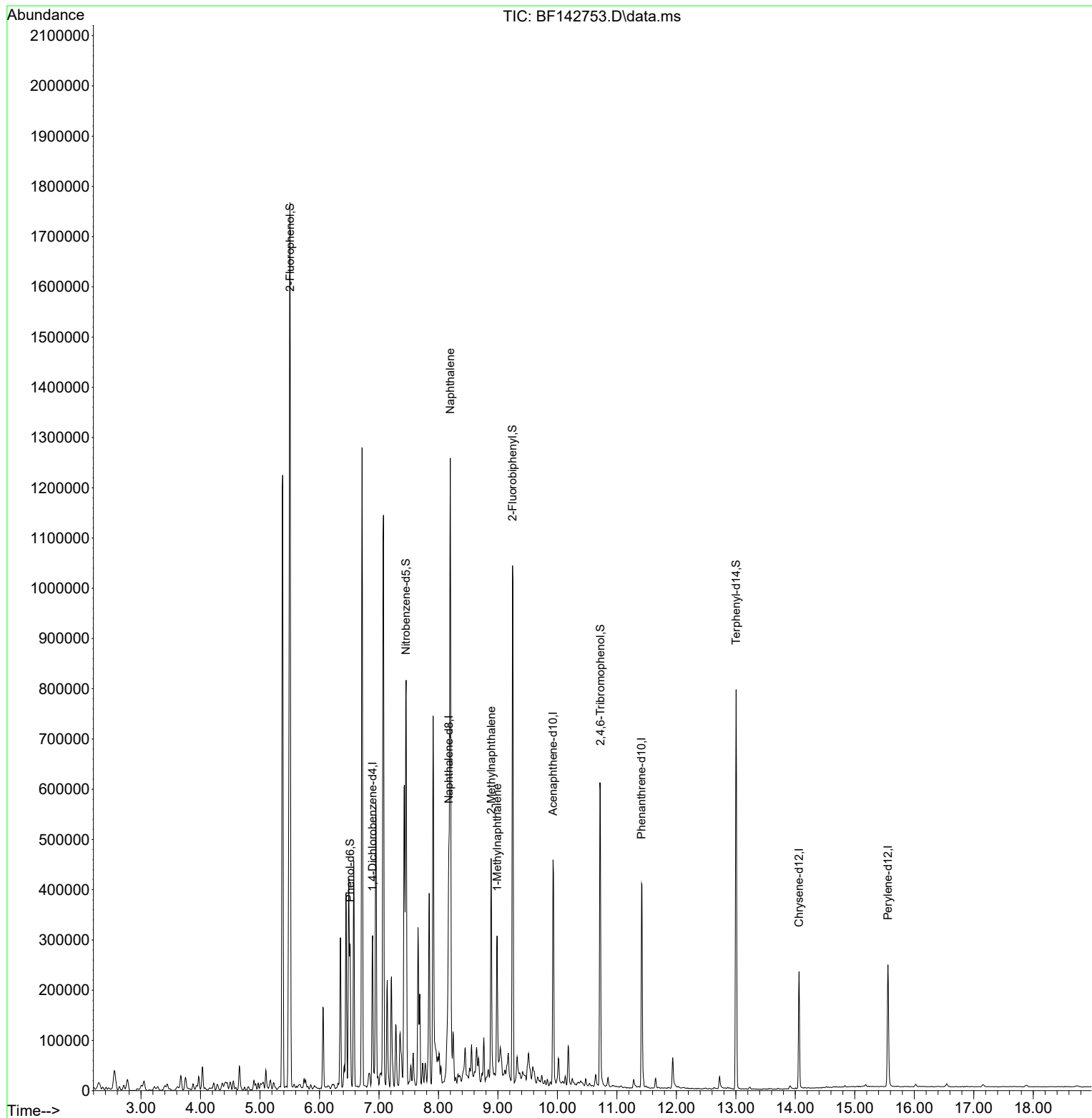
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	66877	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	247965	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	135607	20.000	ng	-0.01
64) Phenanthrene-d10	11.416	188	217678	20.000	ng	0.00
76) Chrysene-d12	14.063	240	118180	20.000	ng	0.00
86) Perylene-d12	15.557	264	146576	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	144538	36.809	ng	0.00
7) Phenol-d6	6.516	99	127037	27.490	ng	0.00
23) Nitrobenzene-d5	7.451	82	206320	45.536	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	106887	71.918	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	472551	46.296	ng	-0.01
79) Terphenyl-d14	13.004	244	382508	44.454	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.198	128	727792	59.347	ng	99
37) 2-Methylnaphthalene	8.886	142	164105	21.142	ng	99
38) 1-Methylnaphthalene	8.986	142	94313	11.729	ng	99

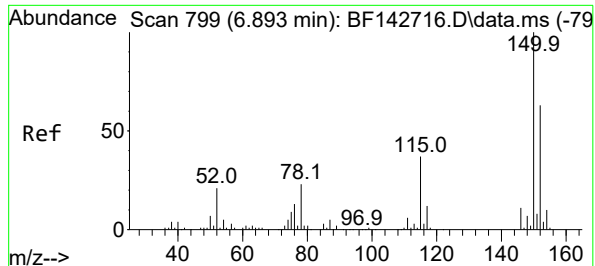
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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061225\
Data File : BF142753.D
Acq On : 12 Jun 2025 13:00
Operator : RC/JU
Sample : Q2268-06DL 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-2-20250605-ADL

Quant Time: Jun 12 13:56:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 11 05:56:09 2025
Response via : Initial Calibration

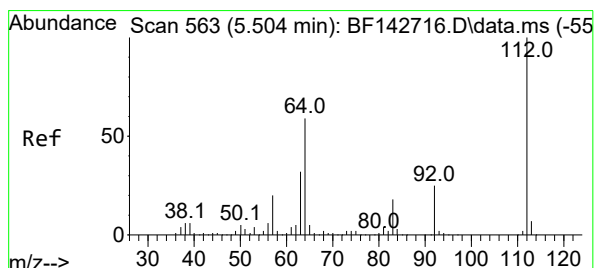
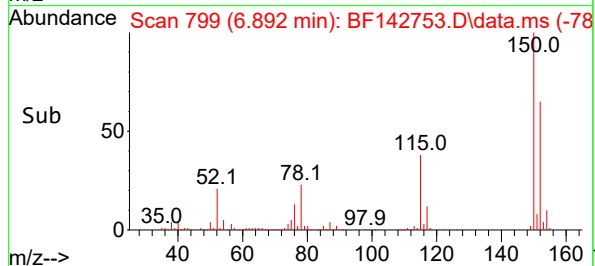
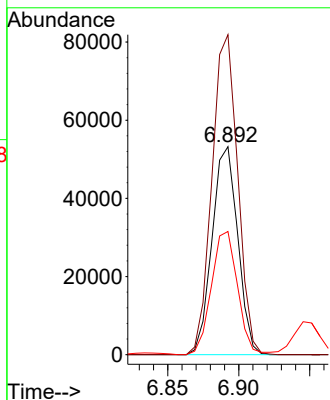
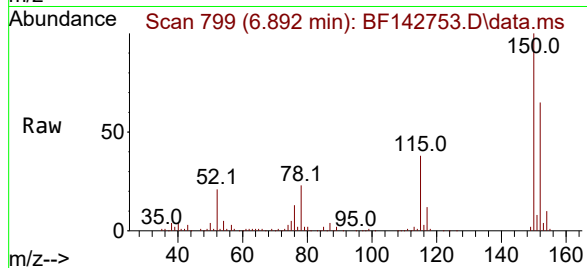




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 799
Delta R.T. -0.001 min
Lab File: BF142753.D
Acq: 12 Jun 2025 13:00

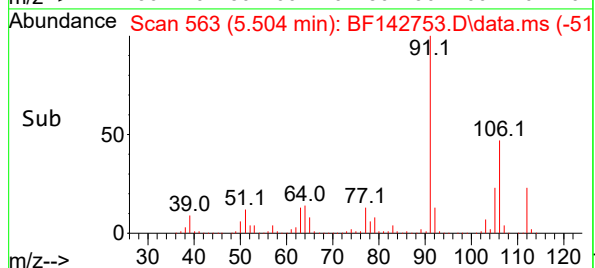
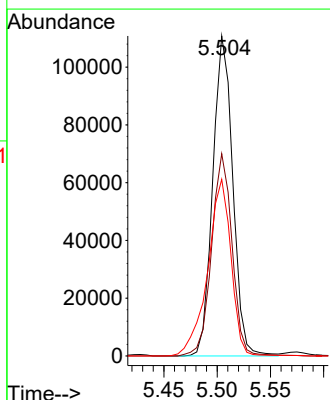
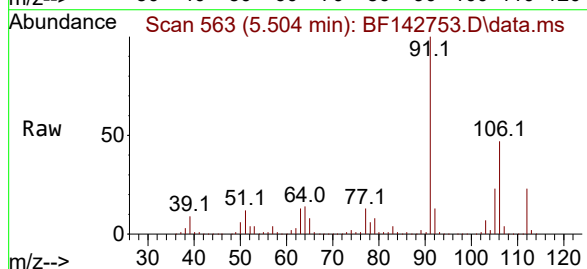
Instrument :
BNA_F
ClientSampleId :
MW-2-20250605-ADL

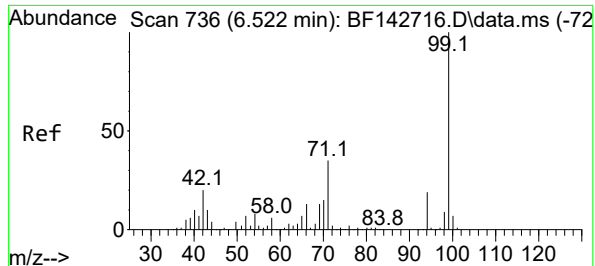
Tgt Ion:152 Resp: 66877
Ion Ratio Lower Upper
152 100
150 153.8 126.9 190.3
115 59.2 47.0 70.6



#5
2-Fluorophenol
Concen: 36.809 ng
RT: 5.504 min Scan# 563
Delta R.T. 0.000 min
Lab File: BF142753.D
Acq: 12 Jun 2025 13:00

Tgt Ion:112 Resp: 144538
Ion Ratio Lower Upper
112 100
64 63.2 47.4 71.2
63 55.2 25.4 38.0#





#7

Phenol-d6

Concen: 27.490 ng

RT: 6.516 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF142753.D

Acq: 12 Jun 2025 13:00

Instrument :

BNA_F

ClientSampleId :

MW-2-20250605-ADL

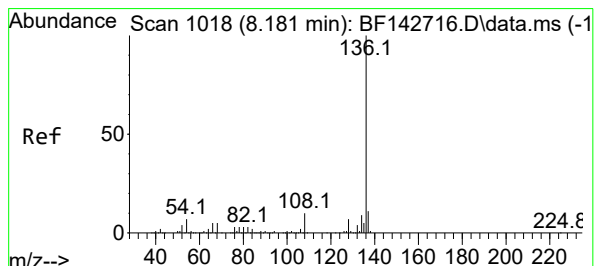
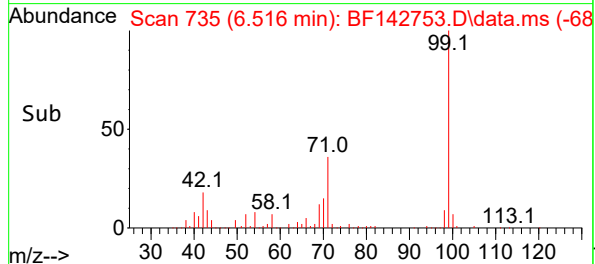
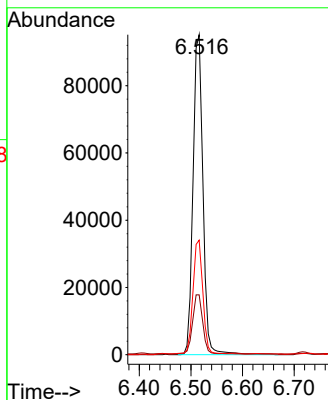
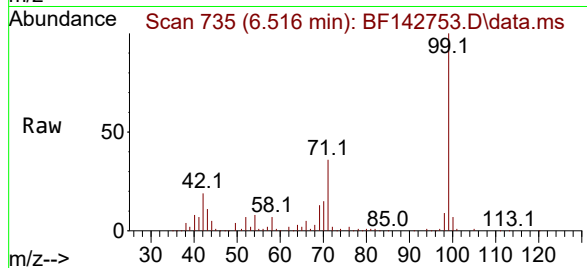
Tgt Ion: 99 Resp: 127037

Ion Ratio Lower Upper

99 100

42 18.7 15.9 23.9

71 35.8 28.0 42.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.175 min Scan# 1017

Delta R.T. -0.006 min

Lab File: BF142753.D

Acq: 12 Jun 2025 13:00

Tgt Ion: 136 Resp: 247965

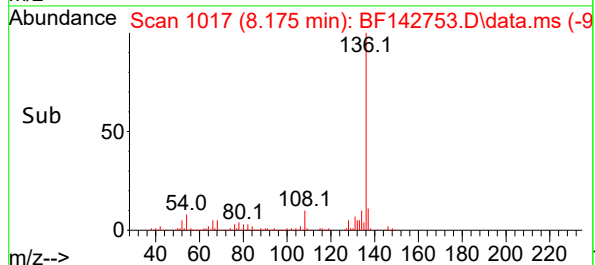
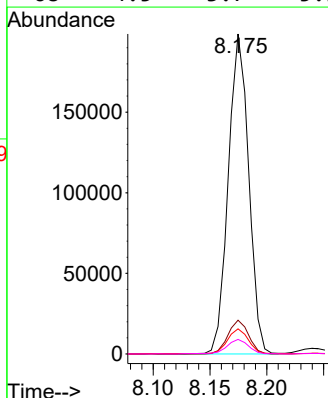
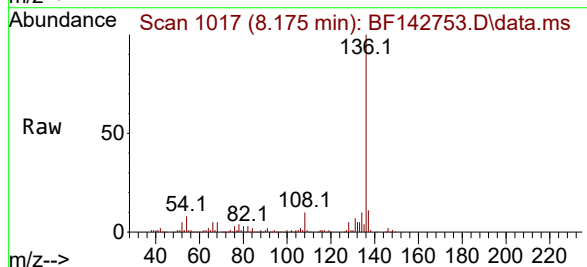
Ion Ratio Lower Upper

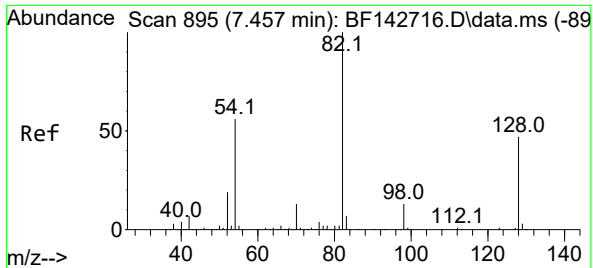
136 100

137 10.5 8.7 13.1

54 7.8 5.9 8.9

68 4.5 3.7 5.5





#23

Nitrobenzene-d5

Concen: 45.536 ng

RT: 7.451 min Scan# 89

Delta R.T. -0.006 min

Lab File: BF142753.D

Acq: 12 Jun 2025 13:00

Instrument :

BNA_F

ClientSampleId :

MW-2-20250605-ADL

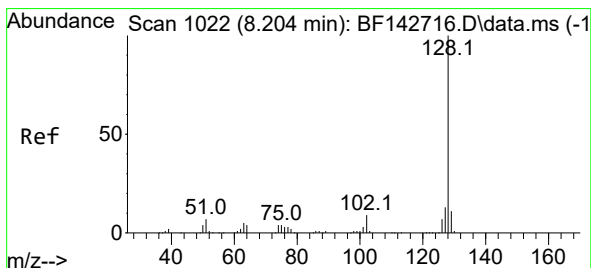
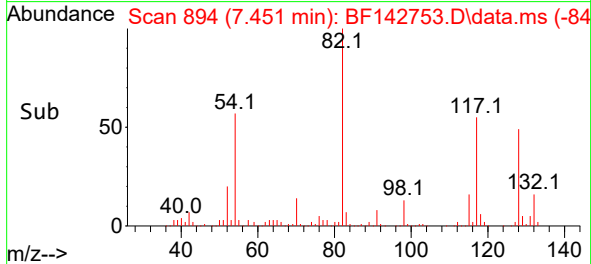
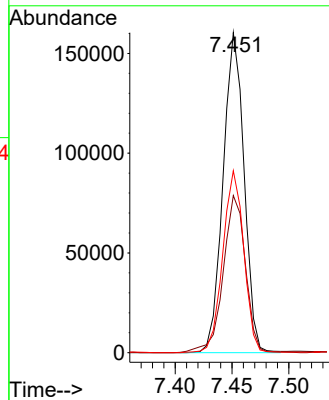
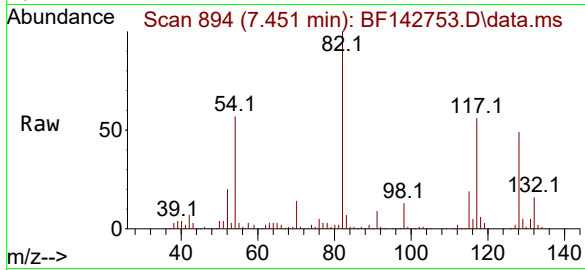
Tgt Ion: 82 Resp: 206320

Ion Ratio Lower Upper

82 100

128 49.1 37.8 56.8

54 56.8 44.9 67.3



#31

Naphthalene

Concen: 59.347 ng

RT: 8.198 min Scan# 1021

Delta R.T. -0.006 min

Lab File: BF142753.D

Acq: 12 Jun 2025 13:00

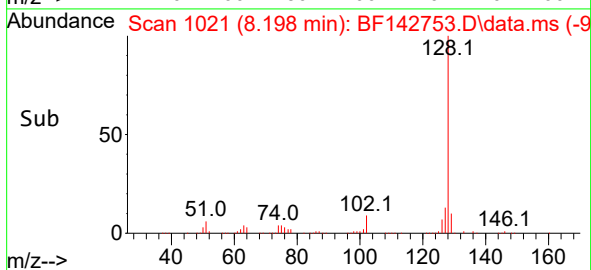
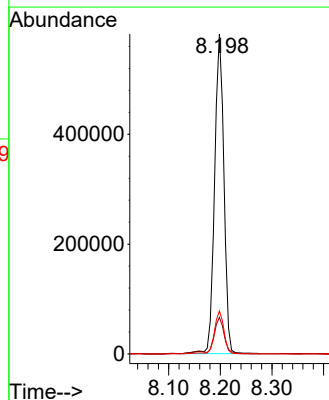
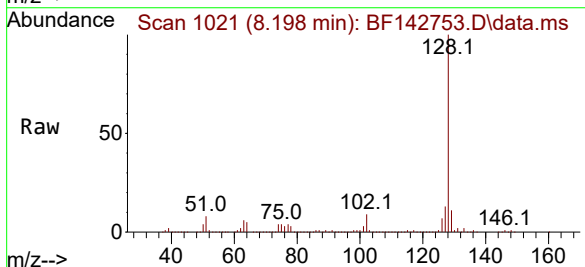
Tgt Ion:128 Resp: 727792

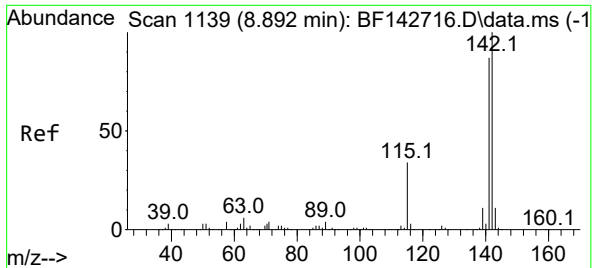
Ion Ratio Lower Upper

128 100

129 11.4 8.7 13.1

127 13.4 10.4 15.6

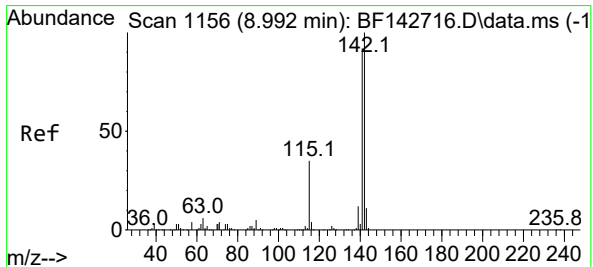
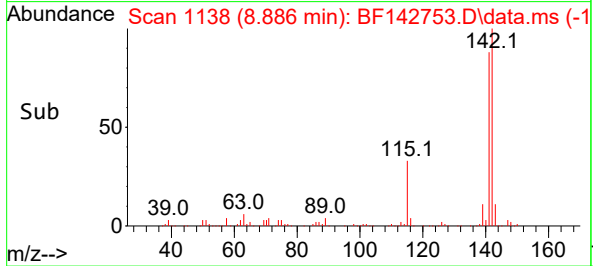
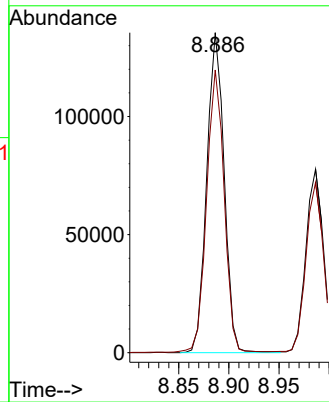
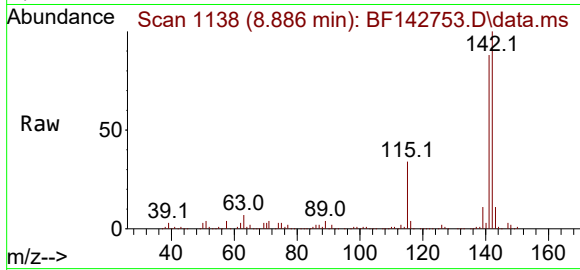




#37
2-Methylnaphthalene
Concen: 21.142 ng
RT: 8.886 min Scan# 1138
Delta R.T. -0.006 min
Lab File: BF142753.D
Acq: 12 Jun 2025 13:00

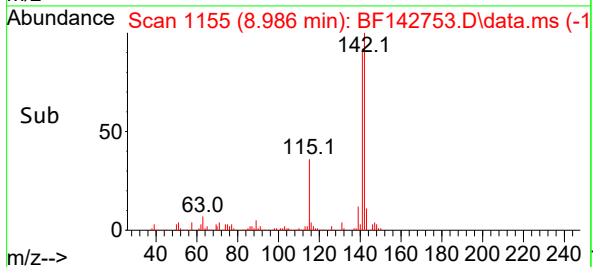
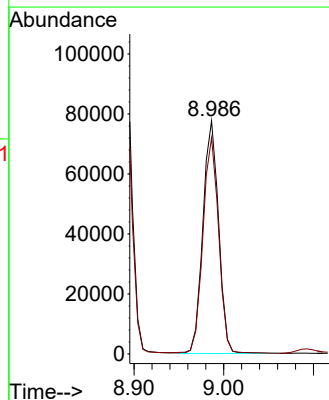
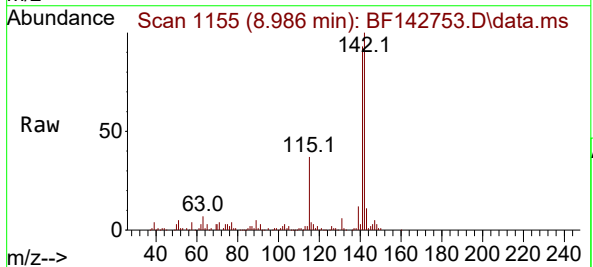
Instrument :
BNA_F
ClientSampleId :
MW-2-20250605-ADL

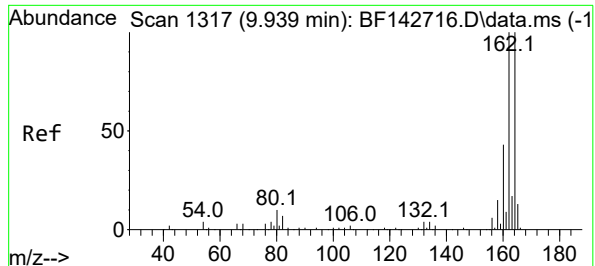
Tgt Ion:142 Resp: 164105
Ion Ratio Lower Upper
142 100
141 88.4 69.9 104.9



#38
1-Methylnaphthalene
Concen: 11.729 ng
RT: 8.986 min Scan# 1155
Delta R.T. -0.006 min
Lab File: BF142753.D
Acq: 12 Jun 2025 13:00

Tgt Ion:142 Resp: 94313
Ion Ratio Lower Upper
142 100
141 92.7 73.5 110.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.928 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF142753.D

Acq: 12 Jun 2025 13:00

Instrument :

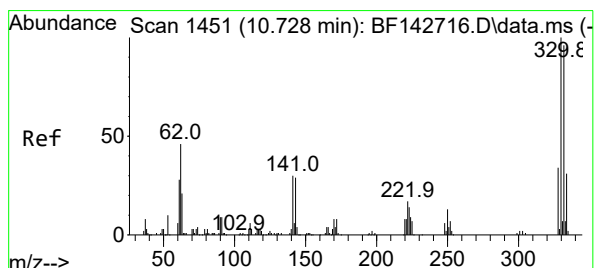
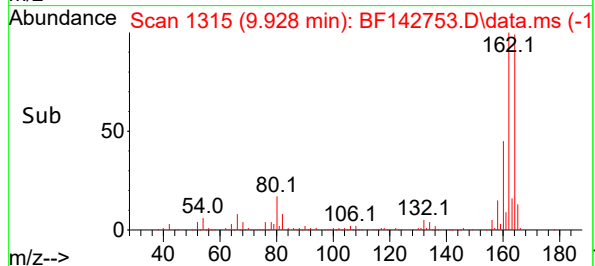
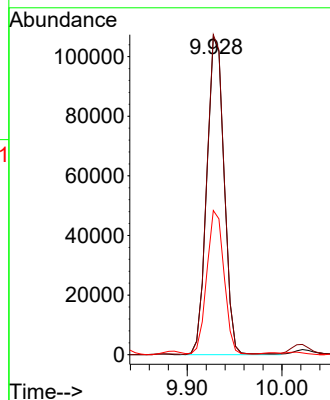
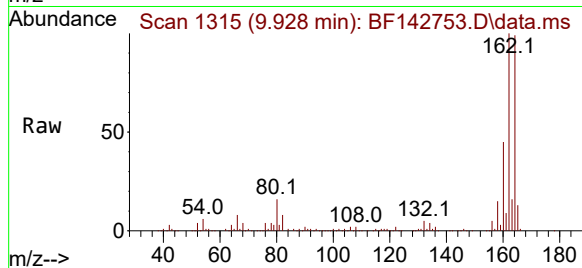
BNA_F

ClientSampleId :

MW-2-20250605-ADL

Tgt Ion:164 Resp: 135607

Ion	Ratio	Lower	Upper
164	100		
162	100.7	79.9	119.9
160	45.3	34.8	52.2



#42

2,4,6-Tribromophenol

Concen: 71.918 ng

RT: 10.722 min Scan# 1450

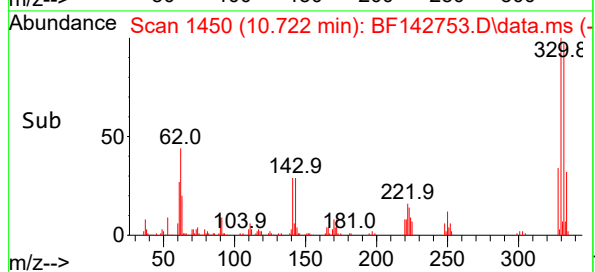
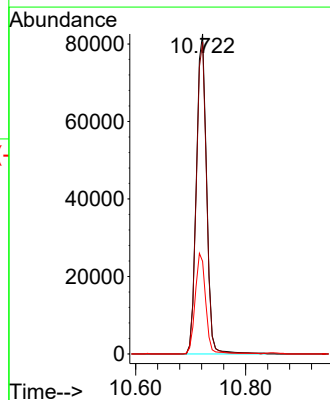
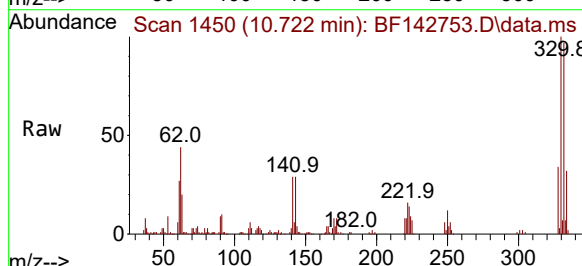
Delta R.T. -0.006 min

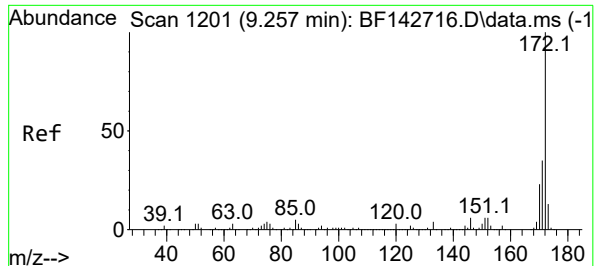
Lab File: BF142753.D

Acq: 12 Jun 2025 13:00

Tgt Ion:330 Resp: 106887

Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.0	115.6
141	32.3	25.4	38.0





#45

2-Fluorobiphenyl

Concen: 46.296 ng

RT: 9.245 min Scan# 1199

Delta R.T. -0.012 min

Lab File: BF142753.D

Acq: 12 Jun 2025 13:00

Instrument :

BNA_F

ClientSampleId :

MW-2-20250605-ADL

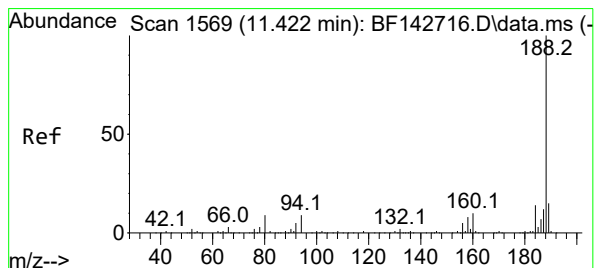
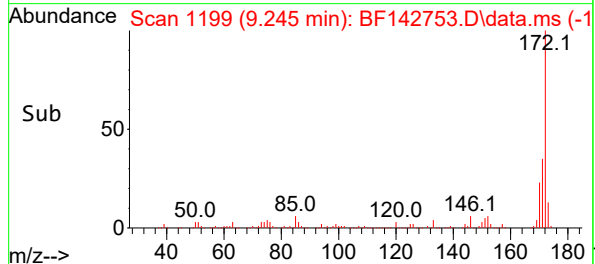
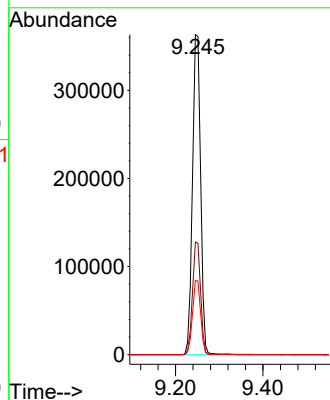
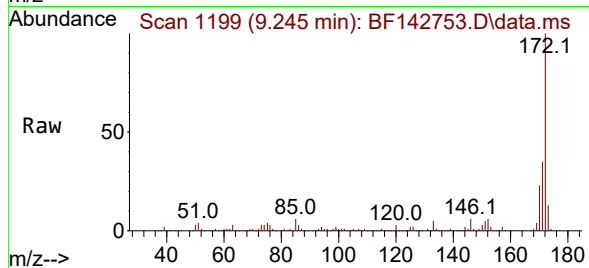
Tgt Ion:172 Resp: 472551

Ion Ratio Lower Upper

172 100

171 35.2 28.1 42.1

170 23.2 18.6 27.8



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.416 min Scan# 1568

Delta R.T. -0.006 min

Lab File: BF142753.D

Acq: 12 Jun 2025 13:00

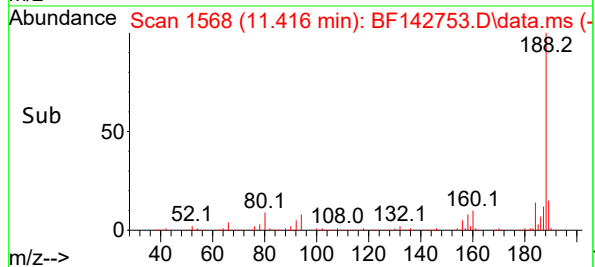
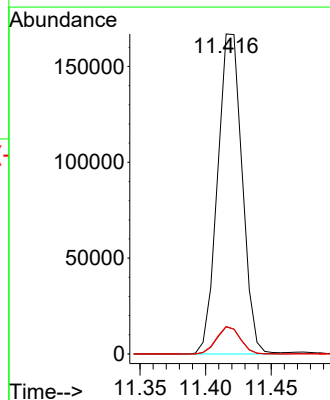
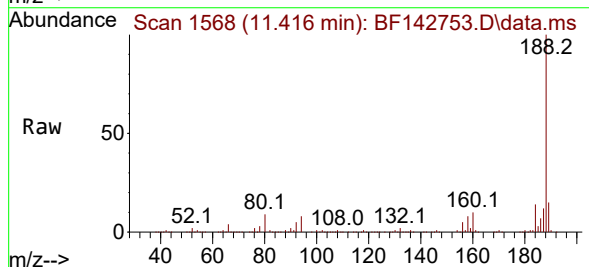
Tgt Ion:188 Resp: 217678

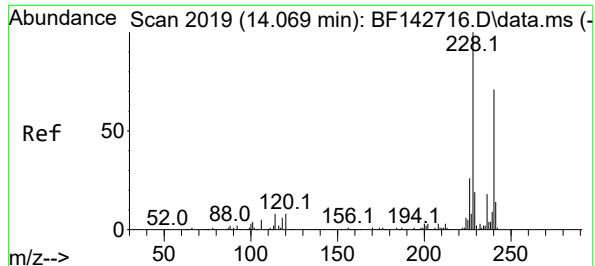
Ion Ratio Lower Upper

188 100

94 8.4 6.8 10.2

80 8.6 7.1 10.7

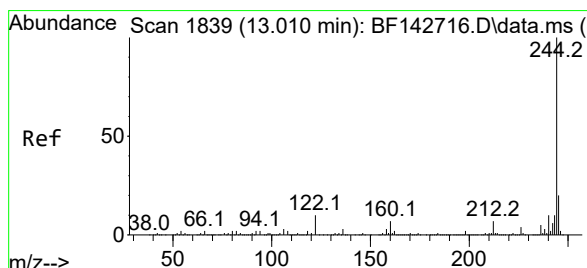
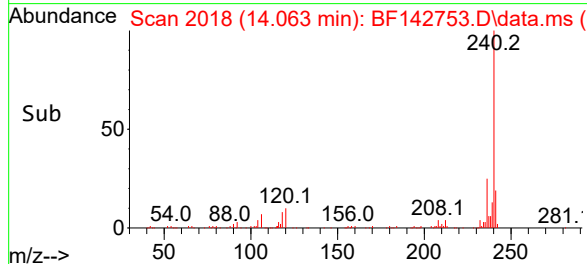
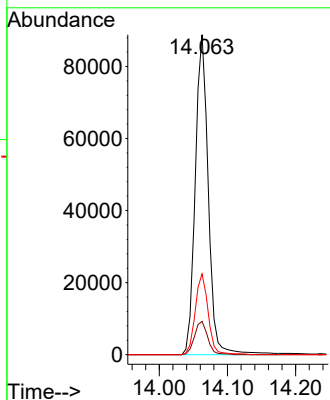
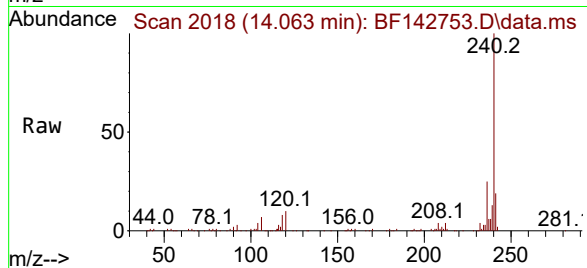




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF142753.D
Acq: 12 Jun 2025 13:00

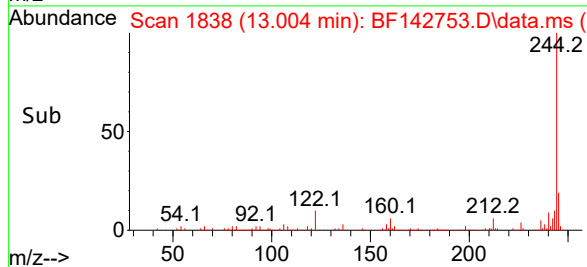
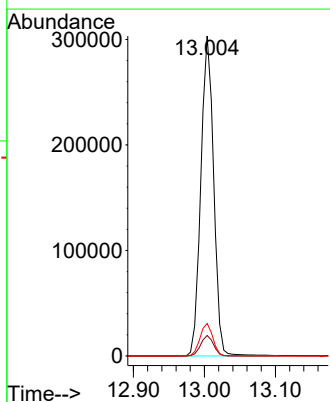
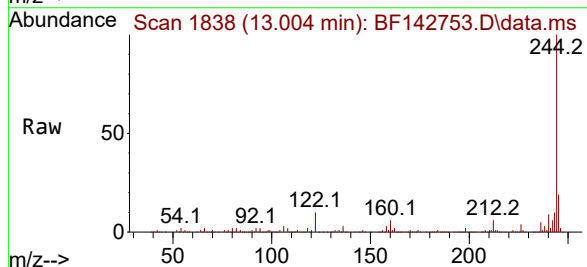
Instrument :
BNA_F
ClientSampleId :
MW-2-20250605-ADL

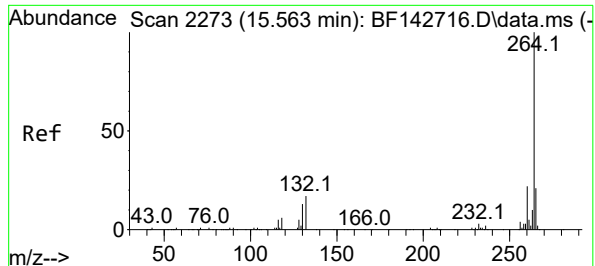
Tgt Ion:240 Resp: 118180
Ion Ratio Lower Upper
240 100
120 10.4 8.5 12.7
236 25.2 20.1 30.1



#79
Terphenyl-d14
Concen: 44.454 ng
RT: 13.004 min Scan# 1838
Delta R.T. -0.006 min
Lab File: BF142753.D
Acq: 12 Jun 2025 13:00

Tgt Ion:244 Resp: 382508
Ion Ratio Lower Upper
244 100
212 6.4 5.4 8.0
122 10.1 8.3 12.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.557 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF142753.D

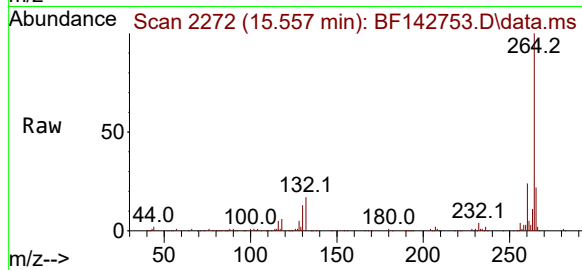
Acq: 12 Jun 2025 13:00

Instrument :

BNA_F

ClientSampleId :

MW-2-20250605-ADL



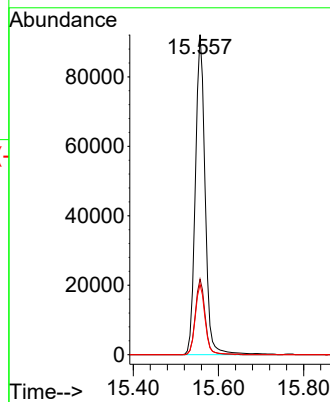
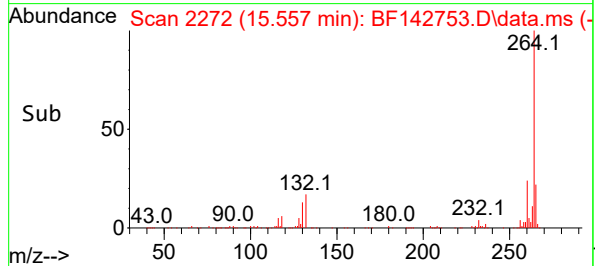
Tgt Ion:264 Resp: 146576

Ion Ratio Lower Upper

264 100

260 23.6 17.8 26.6

265 21.9 16.6 25.0



Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	06/05/25
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	06/06/25
Client Sample ID:	MW-6-20250605	SDG No.:	Q2268
Lab Sample ID:	Q2268-07	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142738.D	1	06/10/25 08:10	06/11/25 16:49	PB168376

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	4.10	U	4.10	10.4	ug/L
108-95-2	Phenol	5.50		0.95	5.20	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.84	U	0.84	5.20	ug/L
95-57-8	2-Chlorophenol	0.60	U	0.60	5.20	ug/L
95-48-7	2-Methylphenol	1.20	U	1.20	5.20	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.30	U	1.30	5.20	ug/L
98-86-2	Acetophenone	0.77	U	0.77	5.20	ug/L
65794-96-9	3+4-Methylphenols	1.10	U	1.10	10.4	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.50	U	1.50	2.60	ug/L
67-72-1	Hexachloroethane	0.68	U	0.68	5.20	ug/L
98-95-3	Nitrobenzene	0.79	U	0.79	5.20	ug/L
78-59-1	Isophorone	0.78	U	0.78	5.20	ug/L
88-75-5	2-Nitrophenol	1.80	U	1.80	5.20	ug/L
105-67-9	2,4-Dimethylphenol	110	E	1.90	5.20	ug/L
111-91-1	bis(2-Chloroethoxy)methane	0.71	U	0.71	5.20	ug/L
120-83-2	2,4-Dichlorophenol	0.54	U	0.54	5.20	ug/L
91-20-3	Naphthalene	0.52	U	0.52	5.20	ug/L
106-47-8	4-Chloroaniline	0.88	U	0.88	5.20	ug/L
87-68-3	Hexachlorobutadiene	0.56	U	0.56	5.20	ug/L
105-60-2	Caprolactam	1.20	U	1.20	10.4	ug/L
59-50-7	4-Chloro-3-methylphenol	0.61	U	0.61	5.20	ug/L
91-57-6	2-Methylnaphthalene	0.58	U	0.58	5.20	ug/L
77-47-4	Hexachlorocyclopentadiene	3.80	U	3.80	10.4	ug/L
88-06-2	2,4,6-Trichlorophenol	0.53	U	0.53	5.20	ug/L
95-95-4	2,4,5-Trichlorophenol	0.65	U	0.65	5.20	ug/L
92-52-4	1,1-Biphenyl	0.55	U	0.55	5.20	ug/L
91-58-7	2-Chloronaphthalene	0.64	U	0.64	5.20	ug/L
88-74-4	2-Nitroaniline	1.30	U	1.30	5.20	ug/L
131-11-3	Dimethylphthalate	0.64	U	0.64	5.20	ug/L

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.		Date Collected:	06/05/25
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05		Date Received:	06/06/25
Client Sample ID:	MW-6-20250605		SDG No.:	Q2268
Lab Sample ID:	Q2268-07		Matrix:	Water
Analytical Method:	8270E		% Solid:	0
Sample Wt/Vol:	960	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOCMS Group1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142738.D	1	06/10/25 08:10	06/11/25 16:49	PB168376

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	0.78	U	0.78	5.20	ug/L
606-20-2	2,6-Dinitrotoluene	0.96	U	0.96	5.20	ug/L
99-09-2	3-Nitroaniline	1.10	U	1.10	5.20	ug/L
83-32-9	Acenaphthene	0.57	U	0.57	5.20	ug/L
51-28-5	2,4-Dinitrophenol	6.20	U	6.20	10.4	ug/L
100-02-7	4-Nitrophenol	2.50	U	2.50	10.4	ug/L
132-64-9	Dibenzofuran	0.64	U	0.64	5.20	ug/L
121-14-2	2,4-Dinitrotoluene	1.30	U	1.30	5.20	ug/L
84-66-2	Diethylphthalate	0.72	U	0.72	5.20	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.71	U	0.71	5.20	ug/L
86-73-7	Fluorene	0.66	U	0.66	5.20	ug/L
100-01-6	4-Nitroaniline	1.60	U	1.60	5.20	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.00	U	3.00	10.4	ug/L
86-30-6	n-Nitrosodiphenylamine	0.60	U	0.60	5.20	ug/L
101-55-3	4-Bromophenyl-phenylether	0.42	U	0.42	5.20	ug/L
118-74-1	Hexachlorobenzene	0.54	U	0.54	5.20	ug/L
1912-24-9	Atrazine	1.10	U	1.10	5.20	ug/L
87-86-5	Pentachlorophenol	1.60	U	1.60	10.4	ug/L
85-01-8	Phenanthrene	0.52	U	0.52	5.20	ug/L
120-12-7	Anthracene	0.64	U	0.64	5.20	ug/L
86-74-8	Carbazole	0.75	U	0.75	5.20	ug/L
84-74-2	Di-n-butylphthalate	1.30	U	1.30	5.20	ug/L
206-44-0	Fluoranthene	0.85	U	0.85	5.20	ug/L
129-00-0	Pyrene	0.52	U	0.52	5.20	ug/L
85-68-7	Butylbenzylphthalate	2.00	U	2.00	5.20	ug/L
91-94-1	3,3-Dichlorobenzidine	0.97	U	0.97	10.4	ug/L
56-55-3	Benzo(a)anthracene	0.47	U	0.47	5.20	ug/L
218-01-9	Chrysene	0.46	U	0.46	5.20	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.70	U	1.70	5.20	ug/L
117-84-0	Di-n-octyl phthalate	2.40	U	2.40	10.4	ug/L
205-99-2	Benzo(b)fluoranthene	0.51	U	0.51	5.20	ug/L

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	06/05/25
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	06/06/25
Client Sample ID:	MW-6-20250605	SDG No.:	Q2268
Lab Sample ID:	Q2268-07	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142738.D	1	06/10/25 08:10	06/11/25 16:49	PB168376

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	0.50	U	0.50	5.20	ug/L
50-32-8	Benzo(a)pyrene	0.57	U	0.57	5.20	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.61	U	0.61	5.20	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.70	U	0.70	5.20	ug/L
191-24-2	Benzo(g,h,i)perylene	0.72	U	0.72	5.20	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	0.54	U	0.54	5.20	ug/L
123-91-1	1,4-Dioxane	1.00	U	1.00	5.20	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.75	U	0.75	5.20	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	62.0		23 - 138	41%	SPK: 150
13127-88-3	Phenol-d6	43.8		10 - 134	29%	SPK: 150
4165-60-0	Nitrobenzene-d5	85.1		67 - 132	85%	SPK: 100
321-60-8	2-Fluorobiphenyl	83.6		52 - 132	84%	SPK: 100
118-79-6	2,4,6-Tribromophenol	121		44 - 137	81%	SPK: 150
1718-51-0	Terphenyl-d14	56.2		42 - 152	56%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	51600	6.893			
1146-65-2	Naphthalene-d8	178000	8.175			
15067-26-2	Acenaphthene-d10	91600	9.928			
1517-22-2	Phenanthrene-d10	141000	11.416			
1719-03-5	Chrysene-d12	135000	14.063			
1520-96-3	Perylene-d12	163000	15.557			
TENTATIVE IDENTIFIED COMPOUNDS						
	unknown3.934	11.9	J		3.93	ug/L
000620-14-4	Benzene, 1-ethyl-3-methyl-	47.6	J		6.95	ug/L
000141-93-5	Benzene, 1,3-diethyl-	10.7	J		7.14	ug/L
001758-88-9	Benzene, 2-ethyl-1,4-dimethyl-	21.6	J		7.21	ug/L
000589-18-4	Benzenemethanol, 4-methyl-	11.0	J		7.78	ug/L
002039-89-6	Benzene, 2-ethenyl-1,4-dimethyl-	14.8	J		7.91	ug/L
000622-97-9	Benzene, 1-ethenyl-4-methyl-	10.9	J		8.35	ug/L

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	06/05/25
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	06/06/25
Client Sample ID:	MW-6-20250605	SDG No.:	Q2268
Lab Sample ID:	Q2268-07	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142738.D	1	06/10/25 08:10	06/11/25 16:49	PB168376

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
003855-26-3	Phenol, 2-ethyl-4-methyl-	11.9	J		8.36	ug/L
001470-94-6	1H-Inden-5-ol, 2,3-dihydro-	80.0	J		8.44	ug/L
000099-04-7	Benzoic acid, 3-methyl-	37.2	J		8.59	ug/L
000099-94-5	Benzoic acid, 4-methyl-	23.0	J		8.65	ug/L
000527-54-8	Phenol, 3,4,5-trimethyl-	25.2	J		8.90	ug/L
035587-60-1	1-Methylindan-2-one	10.4	J		8.99	ug/L
000610-72-0	Benzoic acid, 2,5-dimethyl-	14.3	J		9.04	ug/L
000632-46-2	Benzoic acid, 2,6-dimethyl-	27.4	J		9.08	ug/L
000619-04-5	Benzoic acid, 3,4-dimethyl-	18.8	J		9.35	ug/L
051932-70-8	1H-Indene-4-carboxaldehyde, 2,3-di	11.9	J		9.50	ug/L
	unknown11.139	23.9	J		11.1	ug/L
	unknown12.875	13.6	J		12.9	ug/L

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\BF061125\
 Data File : BF142738.D
 Acq On : 11 Jun 2025 16:49
 Operator : RC/JU
 Sample : Q2268-07
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-6-20250605

Quant Time: Jun 11 17:28:39 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 11 05:56:09 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

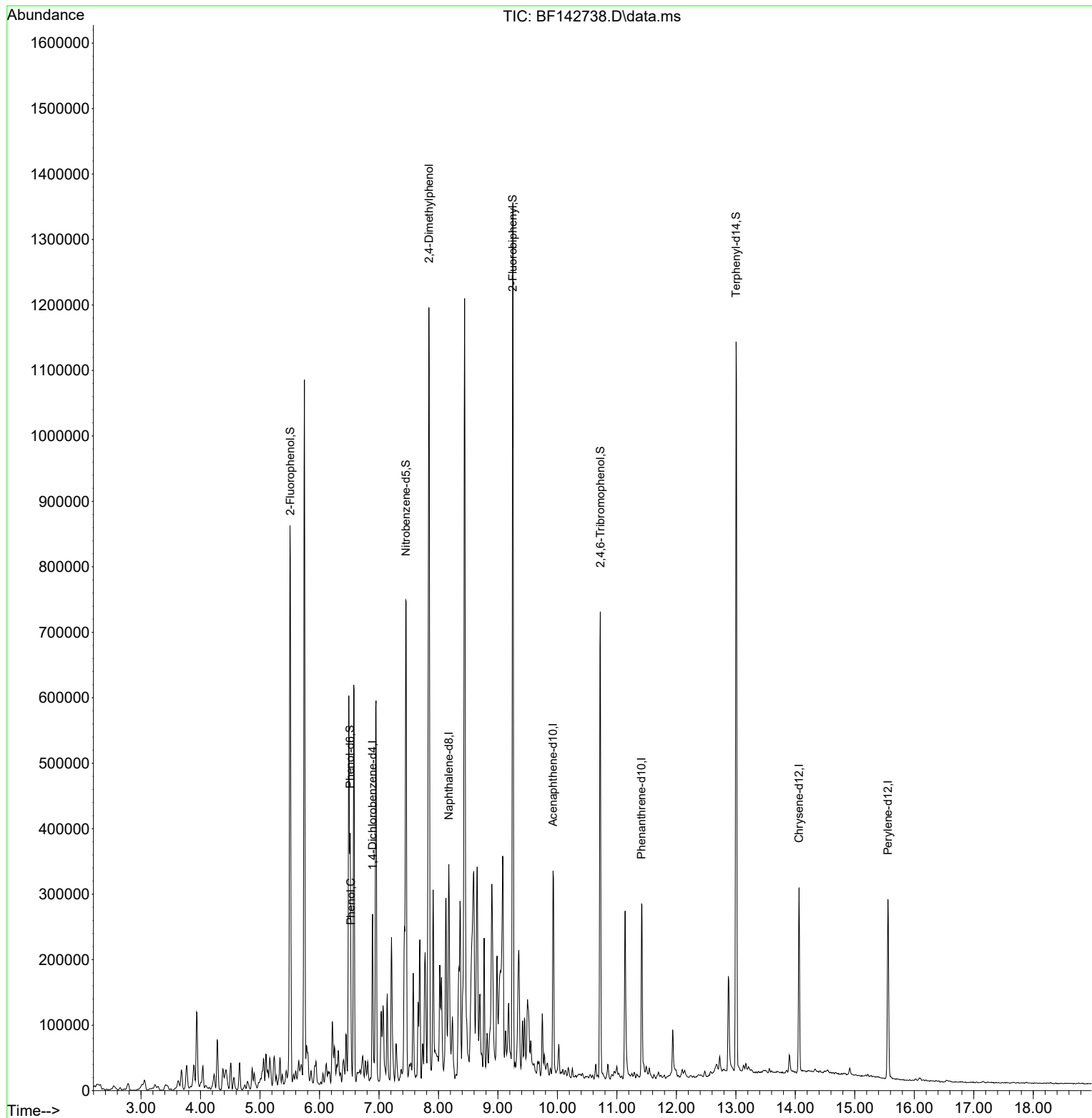
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	51607	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	177791	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	91569	20.000	ng	-0.01
64) Phenanthrene-d10	11.416	188	141283	20.000	ng	0.00
76) Chrysene-d12	14.063	240	134836	20.000	ng	0.00
86) Perylene-d12	15.557	264	163138	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	187744	61.960	ng	0.00
7) Phenol-d6	6.516	99	156124	43.781	ng	0.00
23) Nitrobenzene-d5	7.451	82	276551	85.128	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	121507	121.073	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	576472	83.639	ng	0.00
79) Terphenyl-d14	13.004	244	551740	56.200	ng	0.00
Target Compounds						
10) Phenol	6.528	94	20831	5.255	ng	Qvalue 89
27) 2,4-Dimethylphenol	7.840	122	297906	108.739	ng	# 93

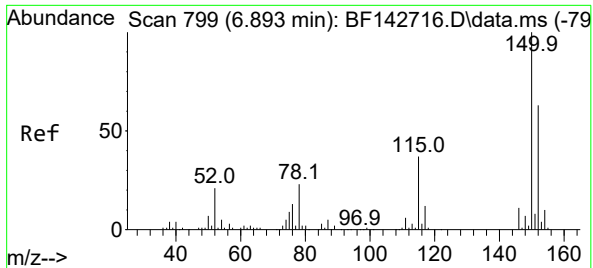
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142738.D
Acq On : 11 Jun 2025 16:49
Operator : RC/JU
Sample : Q2268-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-6-20250605

Quant Time: Jun 11 17:28:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 11 05:56:09 2025
Response via : Initial Calibration

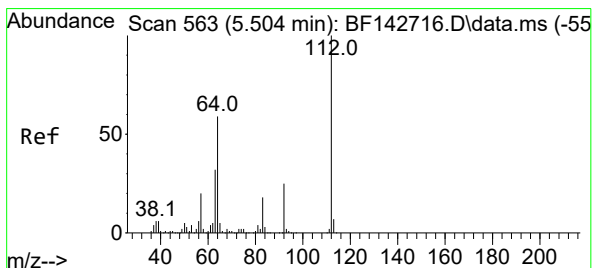
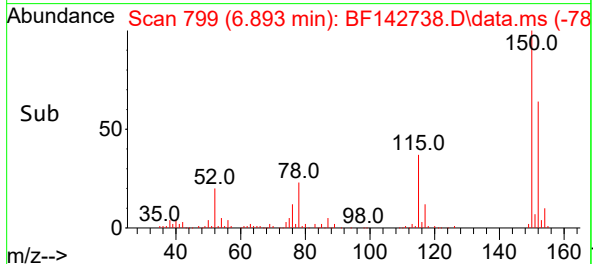
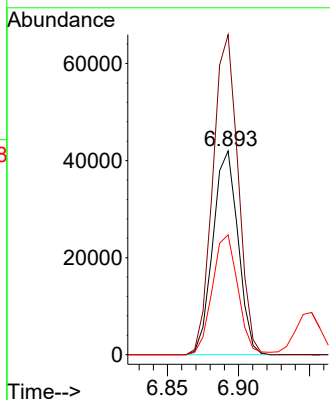
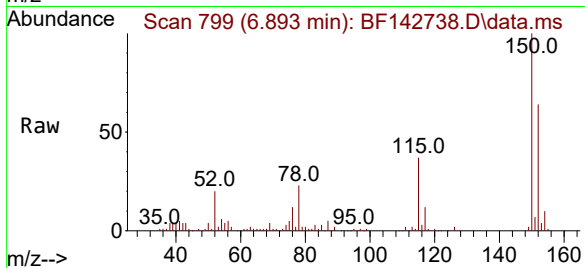




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 799
Delta R.T. -0.000 min
Lab File: BF142738.D
Acq: 11 Jun 2025 16:49

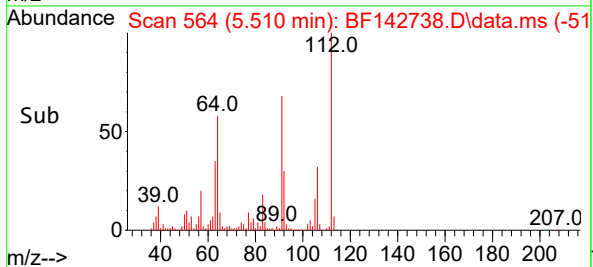
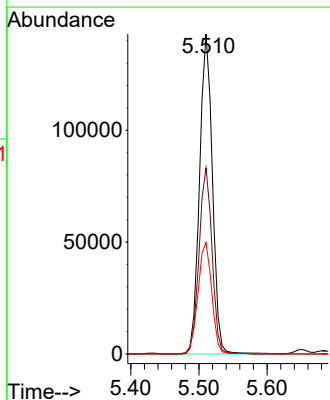
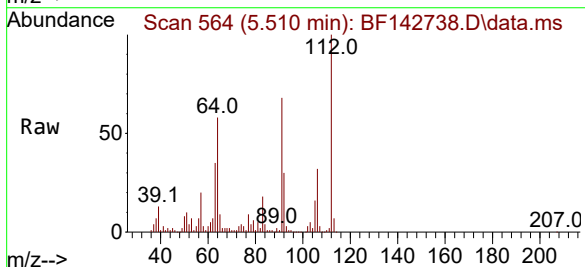
Instrument :
BNA_F
ClientSampleId :
MW-6-20250605

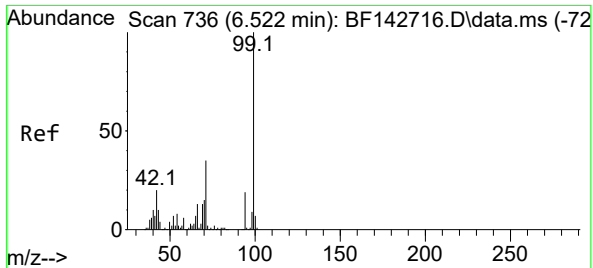
Tgt Ion:152 Resp: 51607
Ion Ratio Lower Upper
152 100
150 157.1 126.9 190.3
115 58.8 47.0 70.6



#5
2-Fluorophenol
Concen: 61.960 ng
RT: 5.510 min Scan# 564
Delta R.T. 0.006 min
Lab File: BF142738.D
Acq: 11 Jun 2025 16:49

Tgt Ion:112 Resp: 187744
Ion Ratio Lower Upper
112 100
64 58.2 47.4 71.2
63 34.9 25.4 38.0

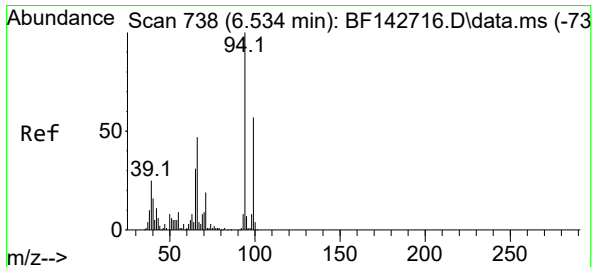
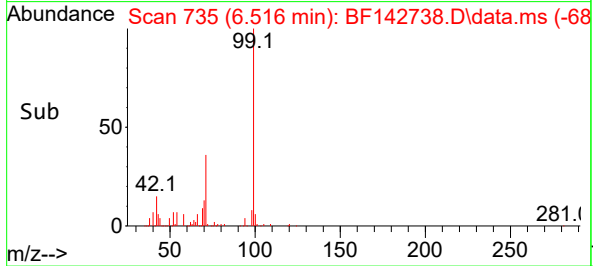
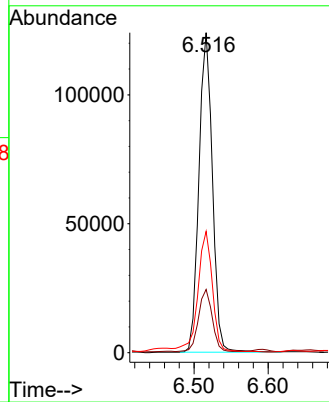
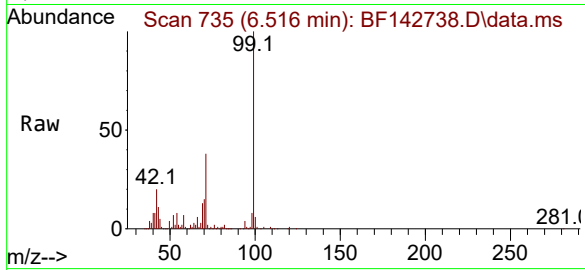




#7
Phenol-d6
Concen: 43.781 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142738.D
Acq: 11 Jun 2025 16:49

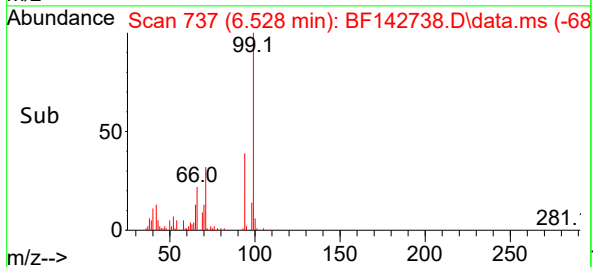
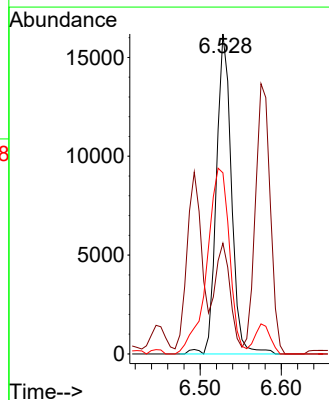
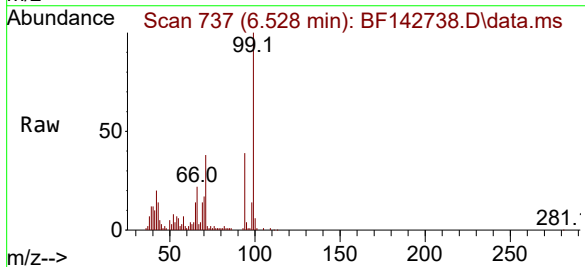
Instrument :
BNA_F
ClientSampleId :
MW-6-20250605

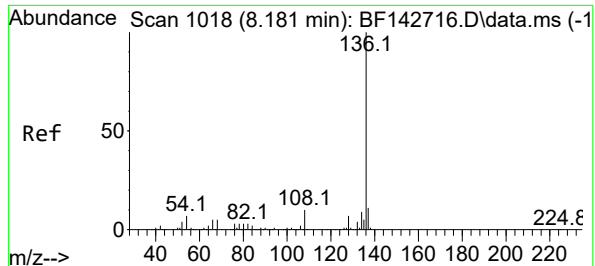
Tgt Ion: 99 Resp: 156124
Ion Ratio Lower Upper
99 100
42 19.7 15.9 23.9
71 37.9 28.0 42.0



#10
Phenol
Concen: 5.255 ng
RT: 6.528 min Scan# 737
Delta R.T. -0.006 min
Lab File: BF142738.D
Acq: 11 Jun 2025 16:49

Tgt Ion: 94 Resp: 20831
Ion Ratio Lower Upper
94 100
65 34.6 11.4 51.4
66 56.6 26.7 66.7





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.175 min Scan# 1018

Delta R.T. -0.006 min

Lab File: BF142738.D

Acq: 11 Jun 2025 16:49

Instrument :

BNA_F

ClientSampleId :

MW-6-20250605

Tgt Ion:136 Resp: 177791

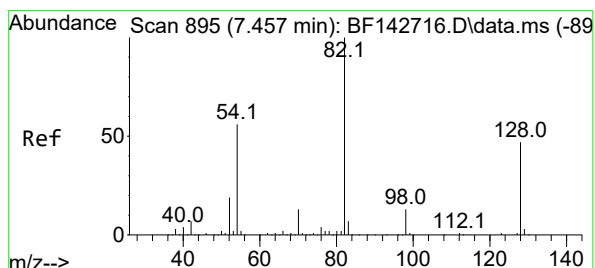
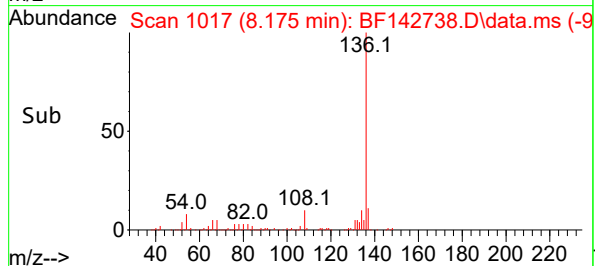
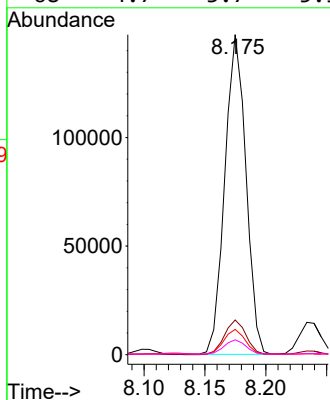
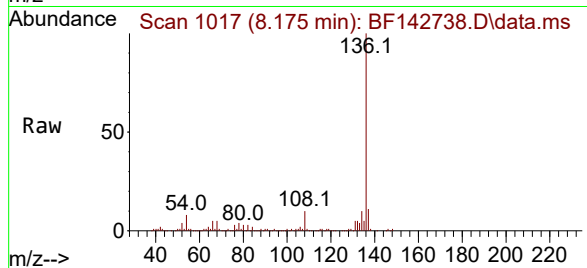
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 7.9 5.9 8.9

68 4.7 3.7 5.5



#23

Nitrobenzene-d5

Concen: 85.128 ng

RT: 7.451 min Scan# 894

Delta R.T. -0.006 min

Lab File: BF142738.D

Acq: 11 Jun 2025 16:49

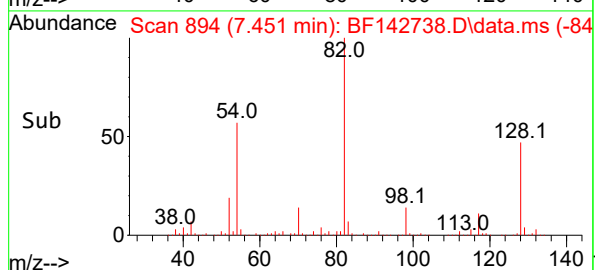
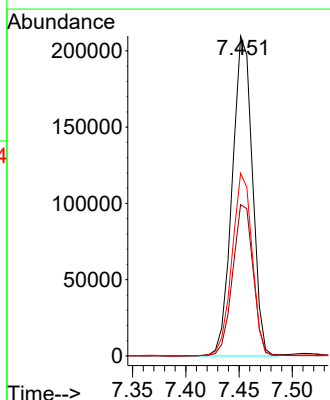
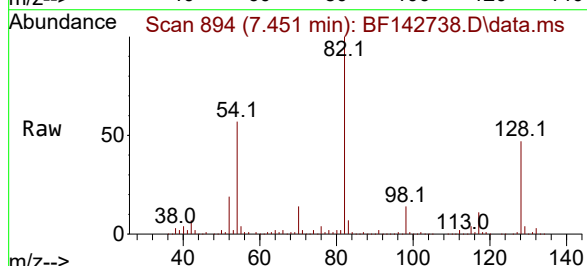
Tgt Ion: 82 Resp: 276551

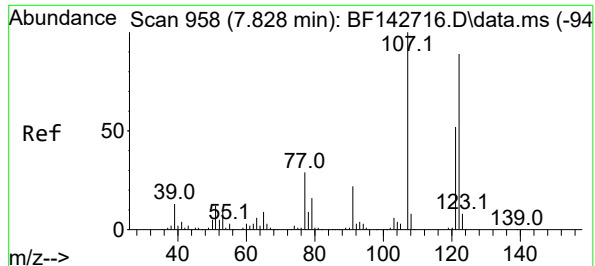
Ion Ratio Lower Upper

82 100

128 47.3 37.8 56.8

54 57.1 44.9 67.3





#27

2,4-Dimethylphenol

Concen: 108.739 ng

RT: 7.840 min Scan# 9

Delta R.T. 0.012 min

Lab File: BF142738.D

Acq: 11 Jun 2025 16:49

Instrument :

BNA_F

ClientSampleId :

MW-6-20250605

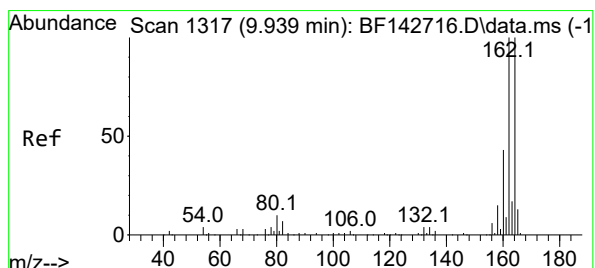
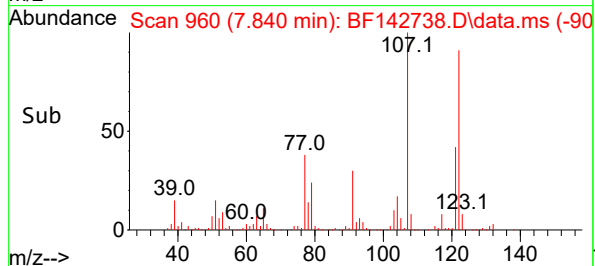
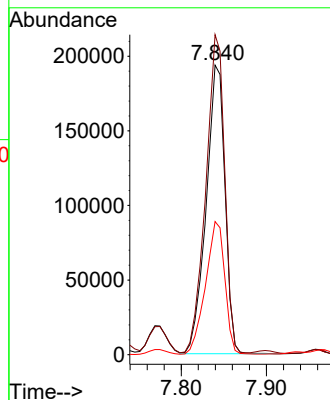
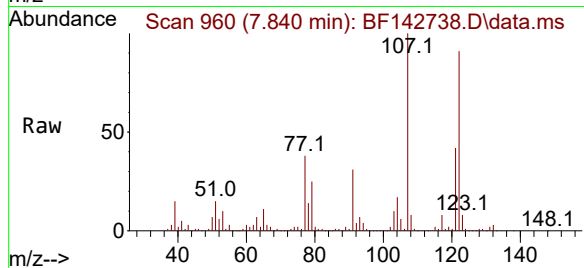
Tgt Ion:122 Resp: 297906

Ion Ratio Lower Upper

122 100

107 110.5 90.4 135.6

121 45.9 46.9 70.3#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.928 min Scan# 1315

Delta R.T. -0.012 min

Lab File: BF142738.D

Acq: 11 Jun 2025 16:49

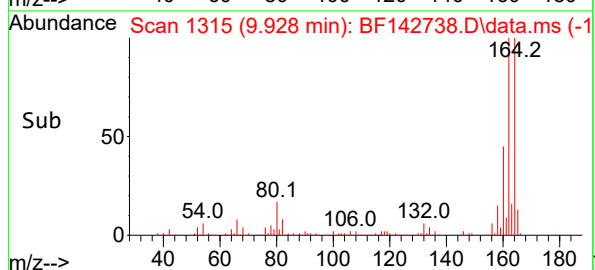
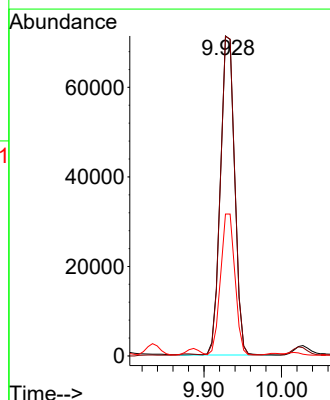
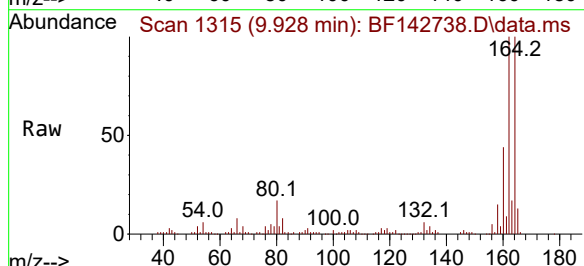
Tgt Ion:164 Resp: 91569

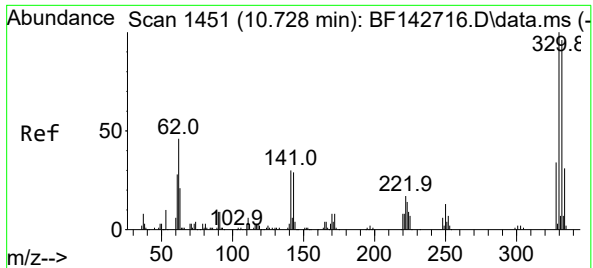
Ion Ratio Lower Upper

164 100

162 99.9 79.9 119.9

160 44.4 34.8 52.2





#42

2,4,6-Tribromophenol

Concen: 121.073 ng

RT: 10.722 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF142738.D

Acq: 11 Jun 2025 16:49

Instrument :

BNA_F

ClientSampleId :

MW-6-20250605

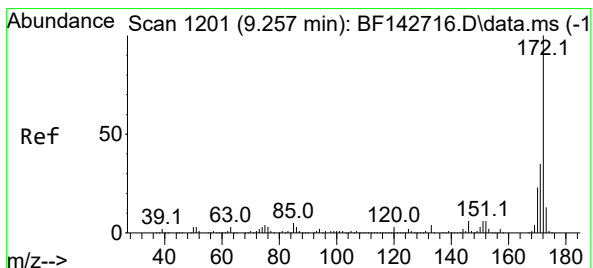
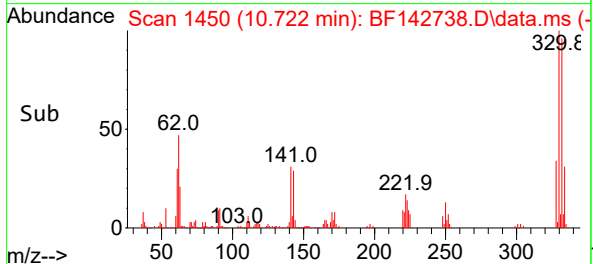
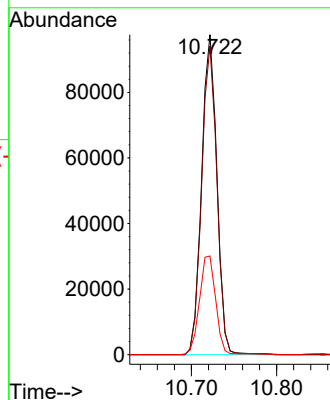
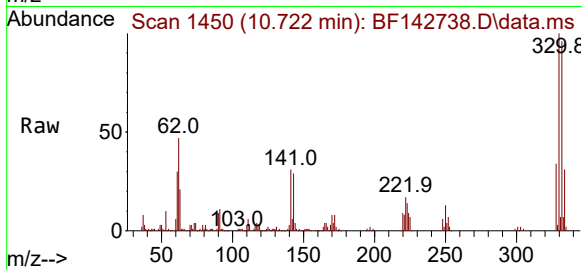
Tgt Ion:330 Resp: 121507

Ion Ratio Lower Upper

330 100

332 96.3 77.0 115.6

141 33.0 25.4 38.0



#45

2-Fluorobiphenyl

Concen: 83.639 ng

RT: 9.251 min Scan# 1200

Delta R.T. -0.006 min

Lab File: BF142738.D

Acq: 11 Jun 2025 16:49

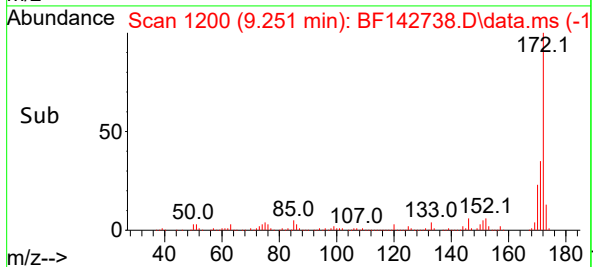
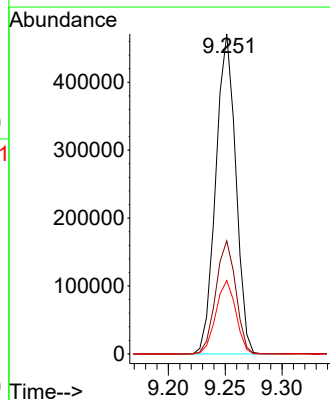
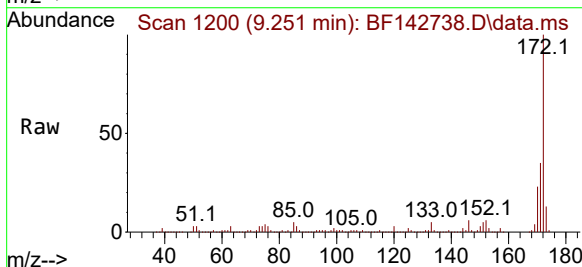
Tgt Ion:172 Resp: 576472

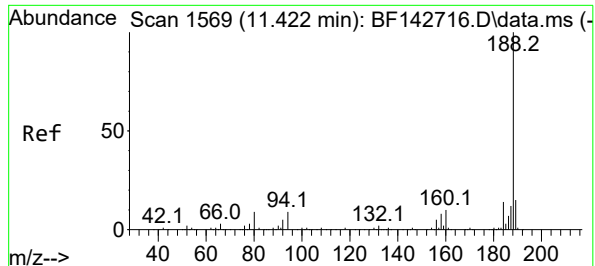
Ion Ratio Lower Upper

172 100

171 35.3 28.1 42.1

170 23.0 18.6 27.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.416 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142738.D

Acq: 11 Jun 2025 16:49

Instrument :

BNA_F

ClientSampleId :

MW-6-20250605

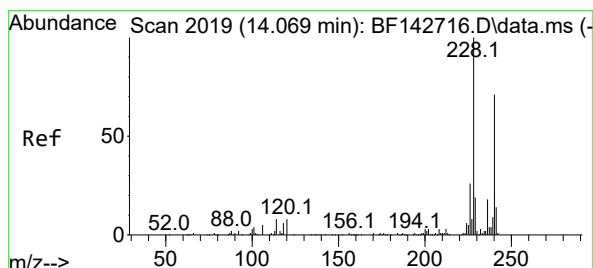
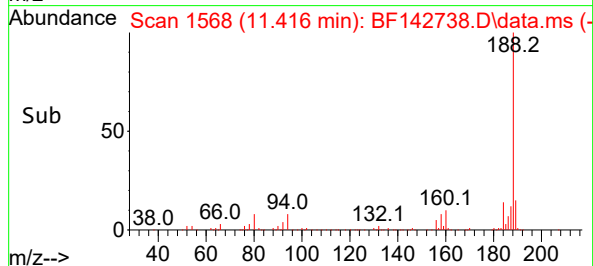
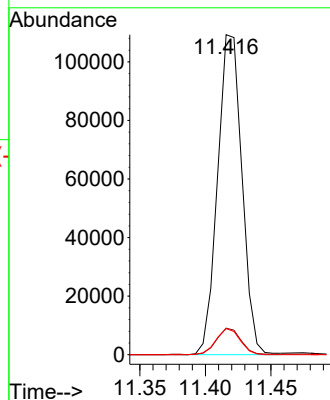
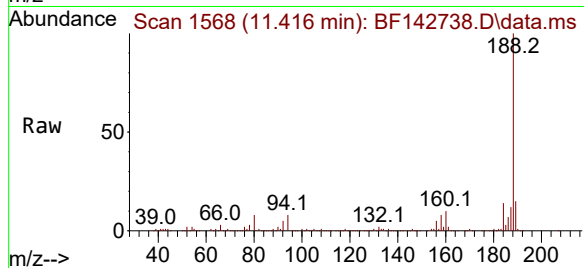
Tgt Ion:188 Resp: 141283

Ion Ratio Lower Upper

188 100

94 8.3 6.8 10.2

80 8.1 7.1 10.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.063 min Scan# 2018

Delta R.T. -0.006 min

Lab File: BF142738.D

Acq: 11 Jun 2025 16:49

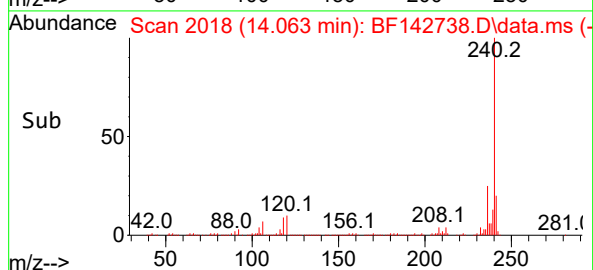
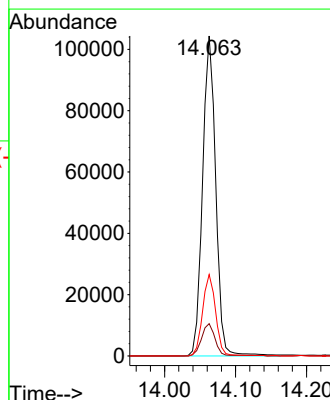
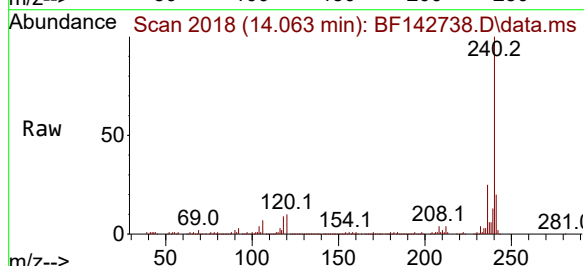
Tgt Ion:240 Resp: 134836

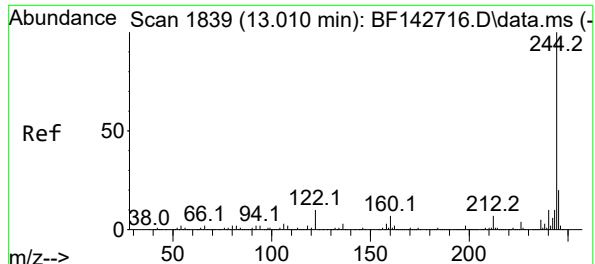
Ion Ratio Lower Upper

240 100

120 10.1 8.5 12.7

236 25.4 20.1 30.1





#79

Terphenyl-d14

Concen: 56.200 ng

RT: 13.004 min Scan# 1838

Delta R.T. -0.006 min

Lab File: BF142738.D

Acq: 11 Jun 2025 16:49

Instrument :

BNA_F

ClientSampleId :

MW-6-20250605

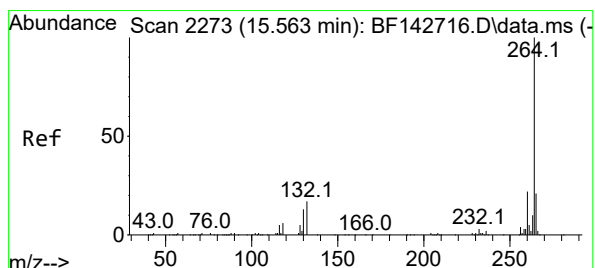
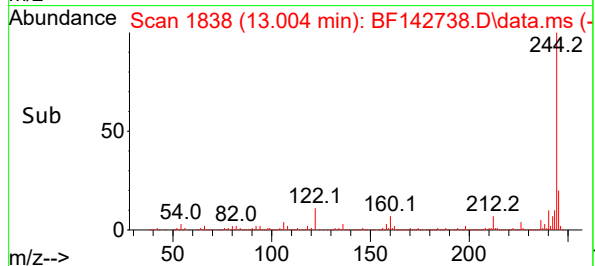
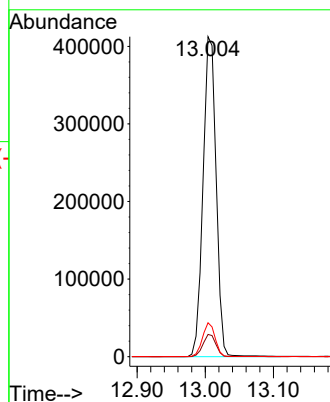
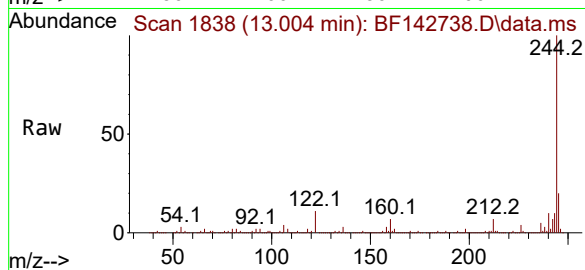
Tgt Ion:244 Resp: 551740

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

122 10.6 8.3 12.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.557 min Scan# 2272

Delta R.T. -0.006 min

Lab File: BF142738.D

Acq: 11 Jun 2025 16:49

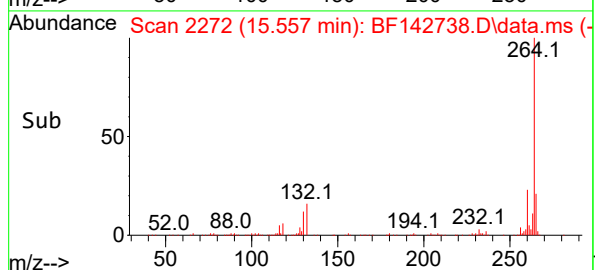
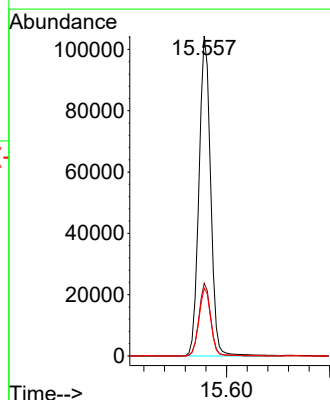
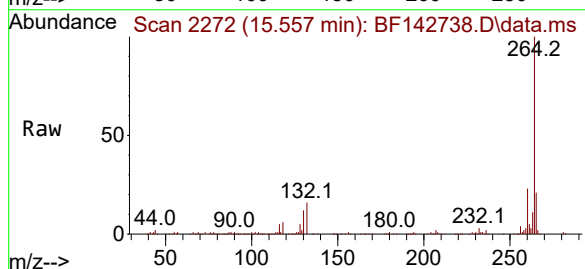
Tgt Ion:264 Resp: 163138

Ion Ratio Lower Upper

264 100

260 22.7 17.8 26.6

265 21.1 16.6 25.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
 Data File : BF142738.D
 Acq On : 11 Jun 2025 16:49
 Operator : RC/JU
 Sample : Q2268-07
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-6-20250605

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-BF061125.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142738.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.058	143	147	155	rVB2	15414	32756	1.67%	0.114%
2	3.622	229	243	248	rBV4	14747	46356	2.37%	0.161%
3	3.681	248	253	259	rVB2	29381	52915	2.70%	0.184%
4	3.769	259	268	275	rBV2	36290	76604	3.91%	0.267%
5	3.887	281	288	292	rBV3	32900	62578	3.20%	0.218%
6	3.934	292	296	304	rVB	113864	192992	9.86%	0.672%
7	4.040	309	314	319	rVB	33047	53188	2.72%	0.185%
8	4.228	336	346	350	rBV5	23040	47995	2.45%	0.167%
9	4.281	350	355	362	rVB	76284	121377	6.20%	0.423%
10	4.375	366	371	375	rBV3	31859	62912	3.21%	0.219%
11	4.428	375	380	388	rVV5	29166	76238	3.90%	0.265%
12	4.505	388	393	398	rVB2	39254	60781	3.11%	0.212%
13	4.563	398	403	412	rVB2	18532	34678	1.77%	0.121%
14	4.657	412	419	426	rVB2	41694	67827	3.47%	0.236%
15	4.869	449	455	458	rBV	31362	50921	2.60%	0.177%
16	4.904	458	461	469	rVB2	22966	37365	1.91%	0.130%
17	5.057	484	487	491	rVB	33969	46295	2.37%	0.161%
18	5.099	491	494	498	rBV2	40965	60103	3.07%	0.209%
19	5.163	502	505	512	rVB3	41434	75823	3.87%	0.264%
20	5.240	512	518	522	rBV3	44143	81973	4.19%	0.285%
21	5.334	527	534	538	rBV2	42074	64807	3.31%	0.226%
22	5.440	546	552	555	rBV2	20316	33479	1.71%	0.117%
23	5.504	555	563	569	rVB2	849230	1277111	65.25%	4.447%
24	5.652	583	588	591	rBV3	27328	44194	2.26%	0.154%
25	5.746	599	604	608	rBV	1062508	1366800	69.84%	4.759%
26	5.781	608	610	619	rVB4	53548	121956	6.23%	0.425%
27	5.857	619	623	629	rVB4	18567	28899	1.48%	0.101%
28	5.940	629	637	648	rVB3	35043	86349	4.41%	0.301%
29	6.116	661	667	670	rBV4	28564	52215	2.67%	0.182%
30	6.216	679	684	688	rBV5	93718	159039	8.13%	0.554%
31	6.251	688	690	694	rVB2	41820	48769	2.49%	0.170%
32	6.316	698	701	705	rVB	38183	48926	2.50%	0.170%
33	6.404	710	716	720	rBV5	33636	70363	3.60%	0.245%
34	6.446	720	723	727	rBV	61200	75071	3.84%	0.261%
35	6.493	727	731	734	rBV	573574	841574	43.00%	2.931%
36	6.575	741	745	751	rVB	605992	793838	40.56%	2.764%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
 Data File : BF142738.D
 Acq On : 11 Jun 2025 16:49
 Operator : RC/JU
 Sample : Q2268-07
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-6-20250605

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-BF061125.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	6.728	765	771	775	rVB5	31949	58701	3.00%	0.204%
38	6.769	775	778	782	rBV2	24467	33035	1.69%	0.115%
39	6.810	782	785	790	rVB2	28896	37438	1.91%	0.130%
40	6.893	794	799	804	rBV	251208	337886	17.26%	1.177%
41	6.951	804	809	817	rVB	581415	771834	39.44%	2.688%
42	7.040	819	824	826	rBV	106574	158367	8.09%	0.551%
43	7.069	826	829	837	rVB2	104137	159938	8.17%	0.557%
44	7.140	837	841	848	rVB2	131540	172893	8.83%	0.602%
45	7.210	848	853	862	rVB3	218677	349776	17.87%	1.218%
46	7.287	862	866	874	rVB2	56744	98151	5.02%	0.342%
47	7.375	874	881	883	rBV2	17321	29536	1.51%	0.103%
48	7.451	885	894	900	rVB3	727382	1314542	67.17%	4.577%
49	7.510	900	904	906	rBV2	18236	25422	1.30%	0.089%
50	7.575	911	915	922	rVB2	159249	200326	10.24%	0.698%
51	7.657	925	929	931	rBV	112896	137133	7.01%	0.478%
52	7.687	931	934	938	rVB	212047	246328	12.59%	0.858%
53	7.734	938	942	945	rBV2	53279	80010	4.09%	0.279%
54	7.775	945	949	954	rBV4	170122	269585	13.77%	0.939%
55	7.840	954	960	967	rVB2	1164957	1888131	96.47%	6.575%
56	7.910	967	972	976	rBV	275537	361135	18.45%	1.258%
57	8.022	987	991	994	rBV	147369	211776	10.82%	0.737%
58	8.051	994	996	1002	rVB3	141717	172335	8.81%	0.600%
59	8.128	1002	1009	1013	rBV	263116	408961	20.90%	1.424%
60	8.175	1013	1017	1023	rVV	318901	509819	26.05%	1.775%
61	8.234	1023	1027	1034	rVB3	94337	169642	8.67%	0.591%
62	8.345	1039	1046	1047	rBV3	164076	267467	13.67%	0.931%
63	8.363	1047	1049	1053	rVV	246051	292266	14.93%	1.018%
64	8.440	1053	1062	1075	rVV	1166836	1957120	100.00%	6.815%
65	8.592	1075	1088	1092	rVV2	292401	909883	46.49%	3.168%
66	8.651	1092	1098	1102	rVV	299560	561882	28.71%	1.957%
67	8.698	1102	1106	1110	rVV	105494	160068	8.18%	0.557%
68	8.769	1114	1118	1122	rBV	196666	229645	11.73%	0.800%
69	8.816	1122	1126	1130	rBV	51187	67747	3.46%	0.236%
70	8.898	1130	1140	1150	rVV3	274084	615795	31.46%	2.144%
71	8.987	1150	1155	1158	rVV2	164682	253525	12.95%	0.883%
72	9.040	1158	1164	1166	rVV5	142303	349129	17.84%	1.216%
73	9.081	1167	1171	1176	rVV2	317586	547651	27.98%	1.907%
74	9.128	1176	1179	1182	rVV2	50933	68703	3.51%	0.239%
75	9.181	1183	1188	1195	rVV4	93323	171215	8.75%	0.596%
76	9.251	1195	1200	1204	rVB	1319056	1618821	82.71%	5.637%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142738.D
Acq On : 11 Jun 2025 16:49
Operator : RC/JU
Sample : Q2268-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-6-20250605

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

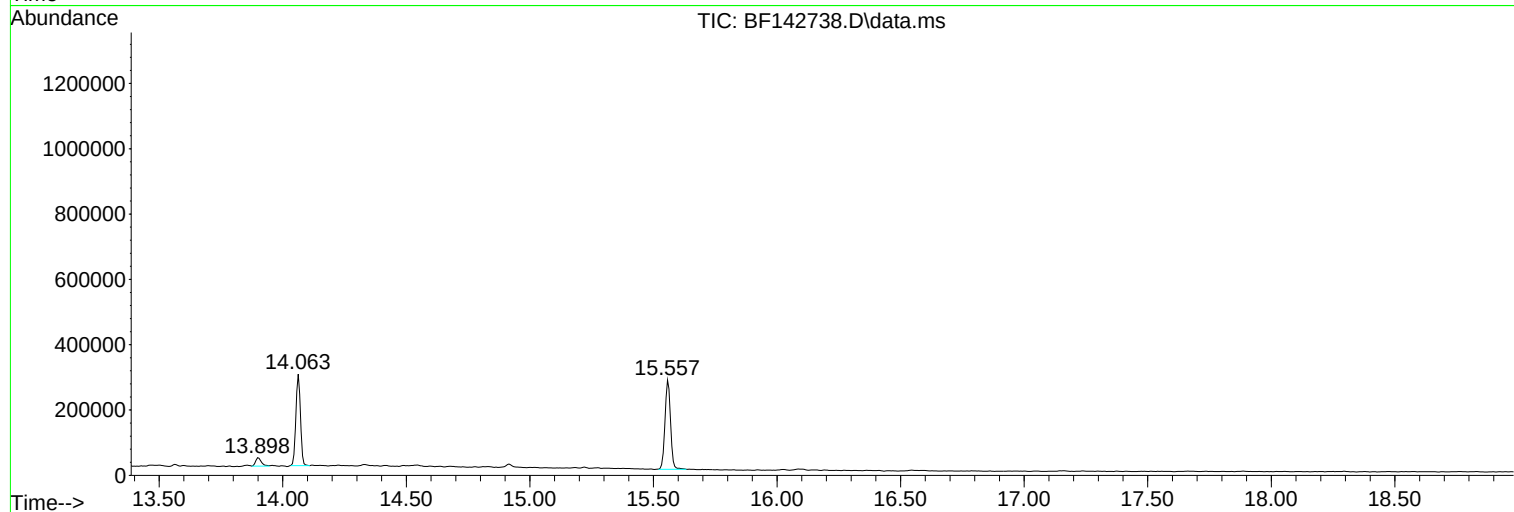
Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	9.351	1208	1217	1223	rVB2	180187	376097	19.22%	1.310%
78	9.416	1223	1228	1230	rBV	71958	96612	4.94%	0.336%
79	9.445	1230	1233	1237	rVV	70685	94103	4.81%	0.328%
80	9.498	1237	1242	1249	rVV3	100013	238555	12.19%	0.831%
81	9.551	1249	1251	1258	rVB3	37529	47018	2.40%	0.164%
82	9.745	1279	1284	1288	rBV	94757	132762	6.78%	0.462%
83	9.781	1288	1290	1294	rVB	23561	28845	1.47%	0.100%
84	9.928	1310	1315	1323	rVV	311112	415814	21.25%	1.448%
85	10.022	1327	1331	1336	rVB2	45278	62017	3.17%	0.216%
86	10.181	1355	1358	1366	rVB	15502	26706	1.36%	0.093%
87	10.645	1432	1437	1440	rBV	22073	31546	1.61%	0.110%
88	10.722	1445	1450	1455	rBV	710890	915378	46.77%	3.188%
89	10.845	1467	1471	1478	rVB4	22709	37188	1.90%	0.129%
90	11.139	1515	1521	1532	rBV	255775	404571	20.67%	1.409%
91	11.416	1564	1568	1573	rBV	262337	352780	18.03%	1.228%
92	11.492	1578	1581	1587	rVV	16092	30746	1.57%	0.107%
93	11.545	1587	1590	1600	rVB2	15366	28790	1.47%	0.100%
94	11.939	1653	1657	1664	rBV	65310	93412	4.77%	0.325%
95	12.728	1787	1791	1798	rVB2	22279	35445	1.81%	0.123%
96	12.875	1812	1816	1832	rVB	144177	235028	12.01%	0.818%
97	13.004	1833	1838	1844	rBV	1112679	1473369	75.28%	5.131%
98	13.898	1986	1990	1998	rBV	25910	41286	2.11%	0.144%
99	14.063	2013	2018	2026	rVB	280254	361262	18.46%	1.258%
100	15.557	2266	2272	2285	rVB	273675	429458	21.94%	1.495%

Sum of corrected areas: 28717472

Instrument :
BNA_F
ClientSampleId :
MW-6-20250605

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142738.D
Acq On : 11 Jun 2025 16:49
Operator : RC/JU
Sample : Q2268-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-6-20250605

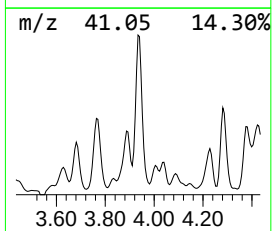
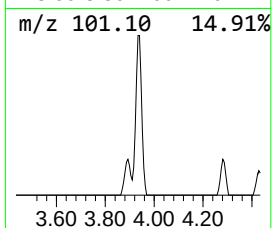
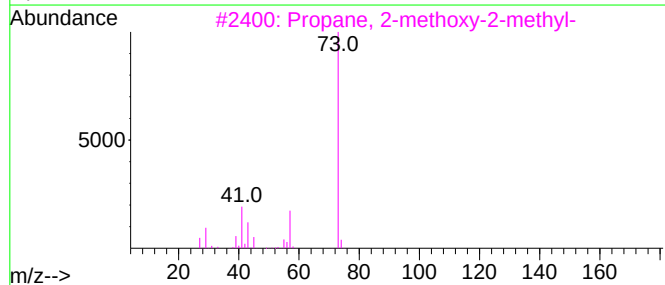
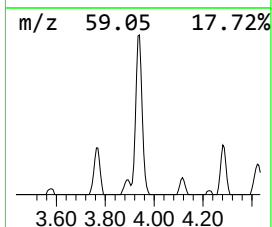
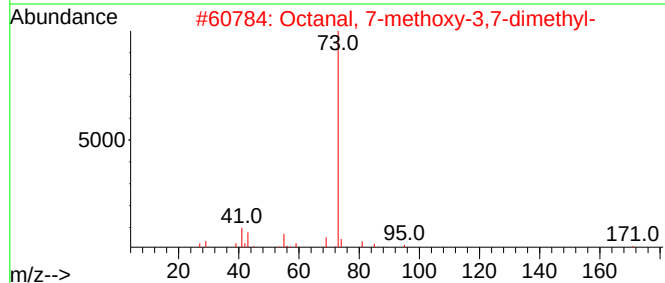
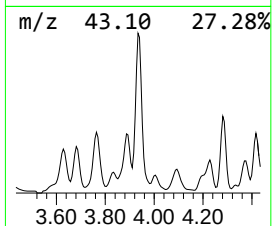
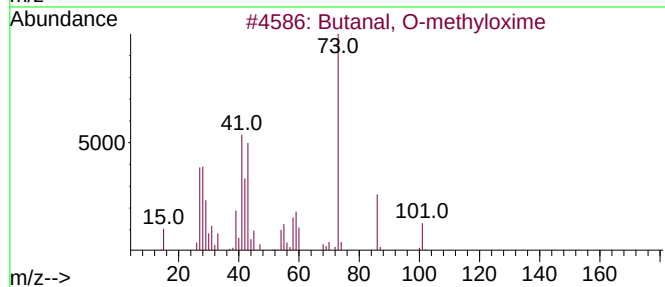
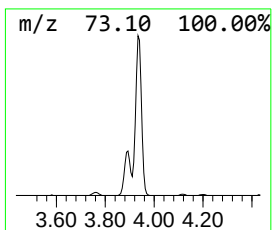
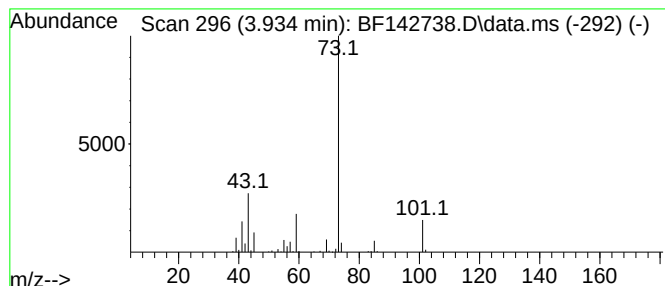
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown3.934 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.934	11.42 ng	192992	1,4-Dichlorobenzene-d4	6.893

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butanal, O-methyloxime	101	C5H11NO	031376-98-4	33
2			Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	23
3			Propane, 2-methoxy-2-methyl-	88	C5H12O	001634-04-4	17
4			3,3-Dimethylbutylamine	101	C6H15N	015673-00-4	9
5			Borane, dimethoxy-	74	C2H7BO2	004542-61-4	9



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142738.D
Acq On : 11 Jun 2025 16:49
Operator : RC/JU
Sample : Q2268-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-6-20250605

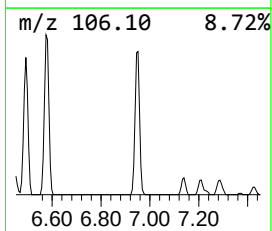
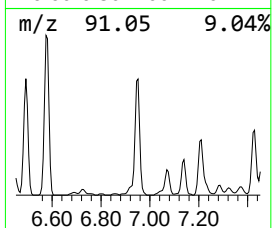
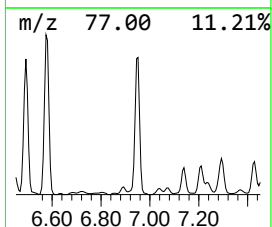
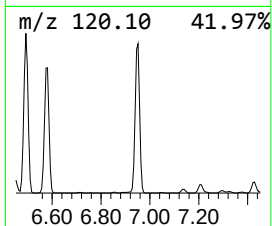
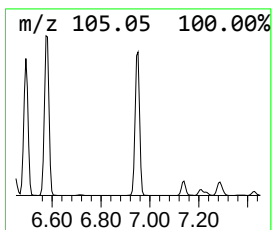
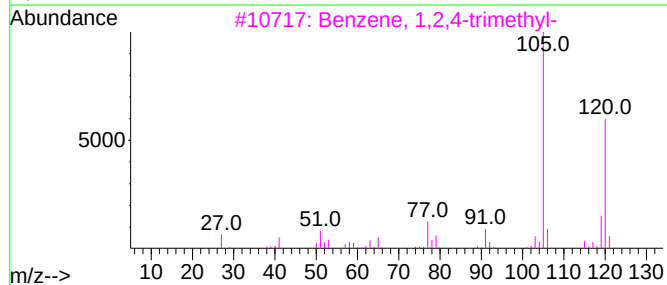
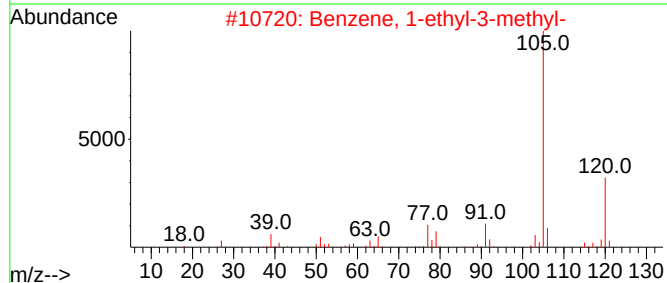
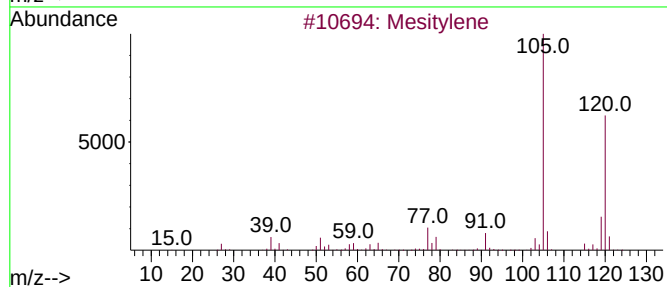
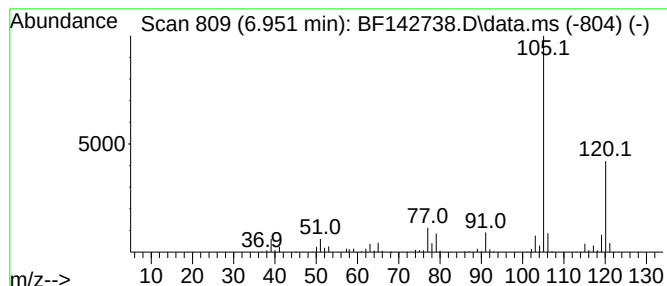
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Benzene, 1-ethyl-3-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.951	45.69 ng	771834	1,4-Dichlorobenzene-d4	6.893

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Mesitylene	120	C9H12	000108-67-8	94
2			Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
3			Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
4			Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90
5			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142738.D
Acq On : 11 Jun 2025 16:49
Operator : RC/JU
Sample : Q2268-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-6-20250605

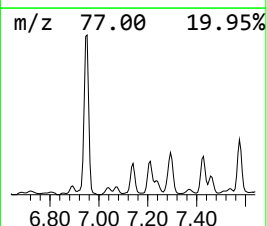
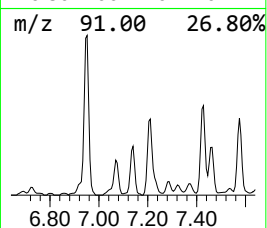
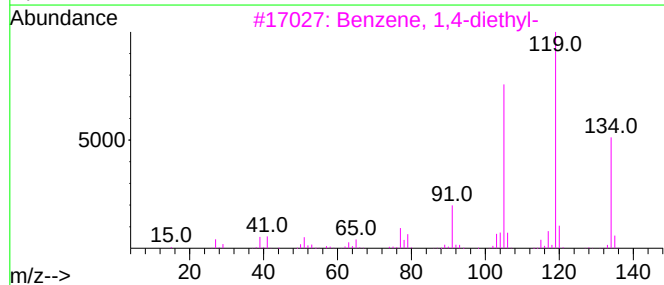
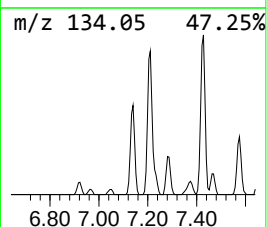
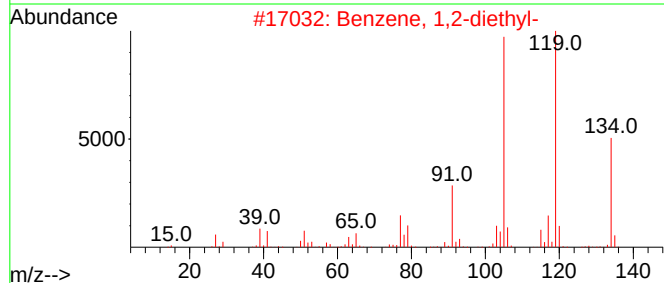
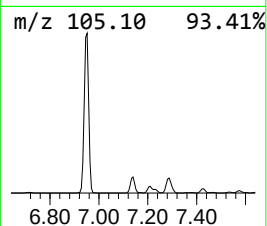
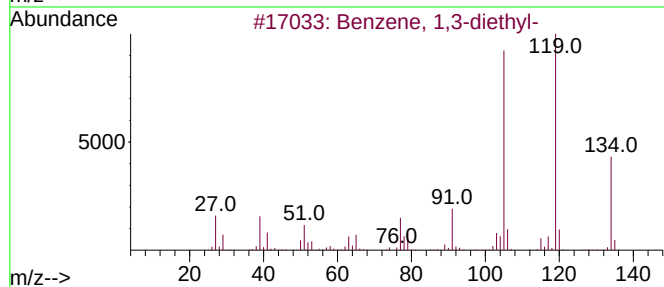
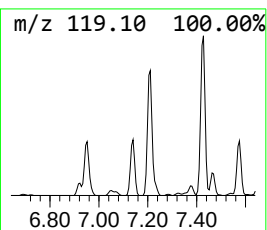
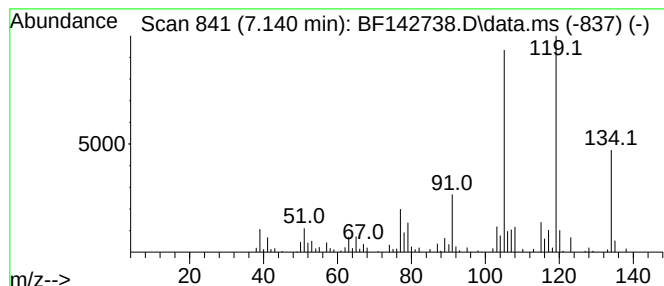
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Benzene, 1,3-diethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.140	10.23 ng	172893	1,4-Dichlorobenzene-d4	6.893

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	95
2			Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	94
3			Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	93
4			Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	81
5			1,3,8-p-Menthatriene	134	C10H14	018368-95-1	74



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142738.D
Acq On : 11 Jun 2025 16:49
Operator : RC/JU
Sample : Q2268-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-6-20250605

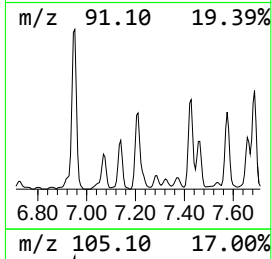
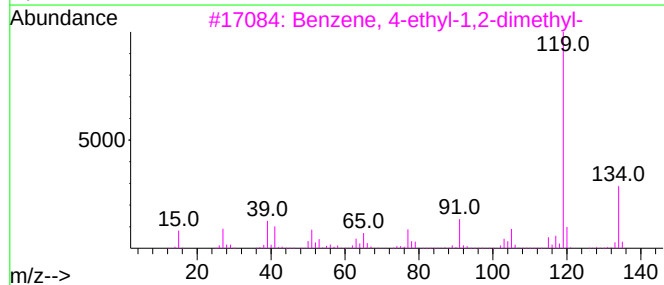
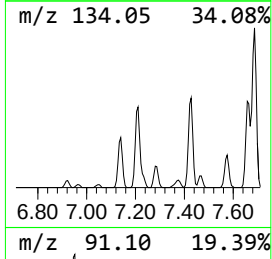
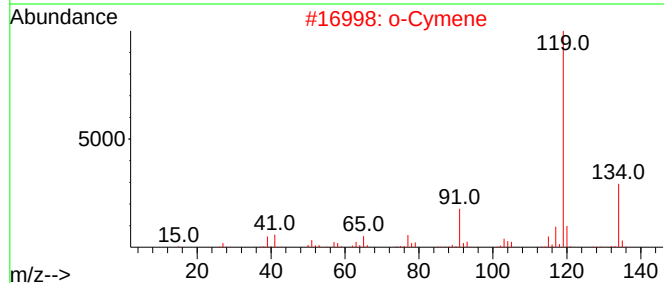
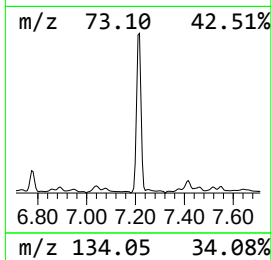
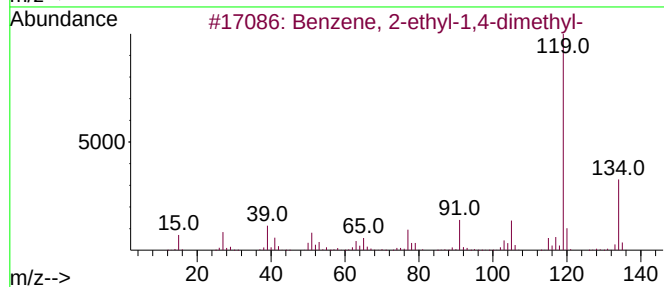
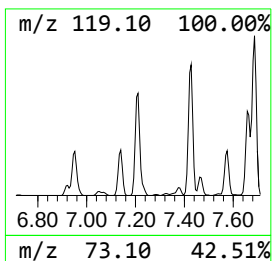
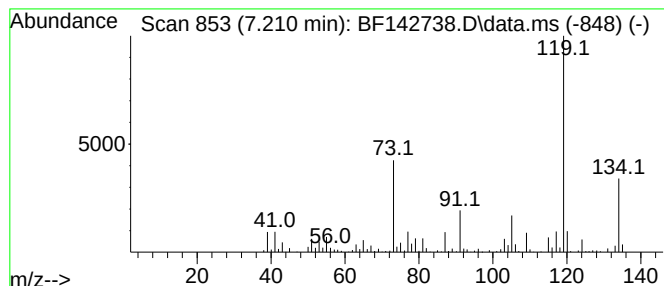
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.210	20.70 ng	349776	1,4-Dichlorobenzene-d4	6.893

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
2			o-Cymene	134	C10H14	000527-84-4	95
3			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	93
4			Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	93
5			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142738.D
Acq On : 11 Jun 2025 16:49
Operator : RC/JU
Sample : Q2268-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

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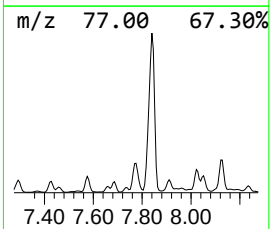
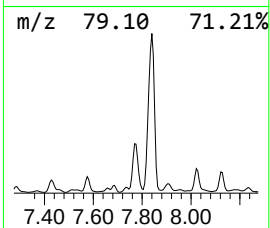
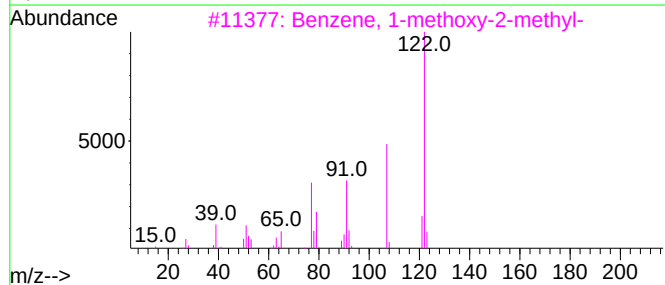
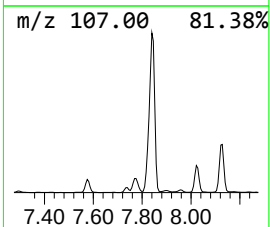
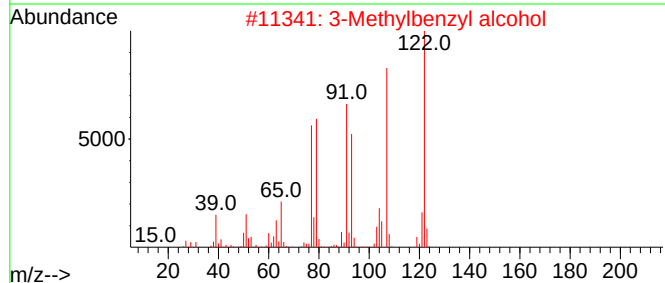
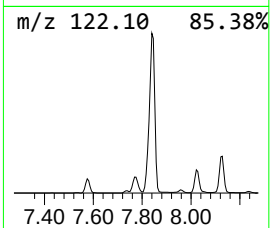
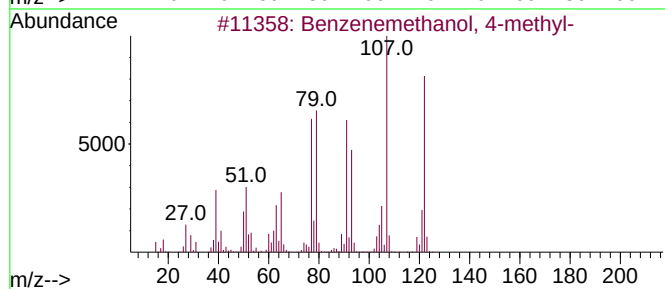
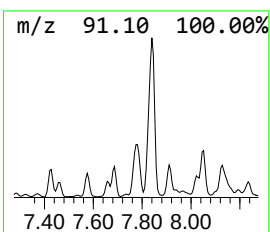
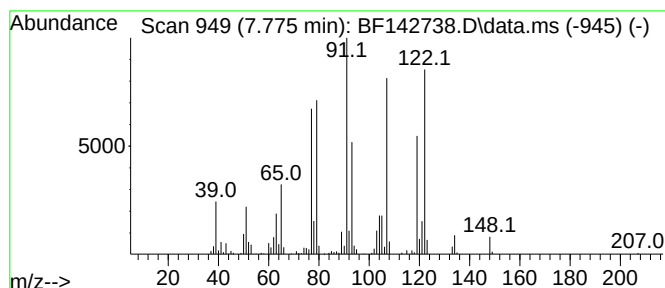
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Benzenemethanol, 4-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.775	10.58 ng	269585	Naphthalene-d8	8.175

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzenemethanol, 4-methyl-	122	C8H10O	000589-18-4	95
2			3-Methylbenzyl alcohol	122	C8H10O	000587-03-1	95
3			Benzene, 1-methoxy-2-methyl-	122	C8H10O	000578-58-5	62
4			Benzenemethanol, .alpha.-methyl-	122	C8H10O	000098-85-1	60
5			Phenol, 3-ethyl-	122	C8H10O	000620-17-7	58



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142738.D
Acq On : 11 Jun 2025 16:49
Operator : RC/JU
Sample : Q2268-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

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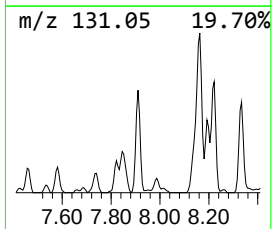
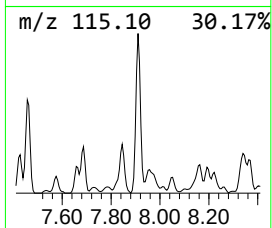
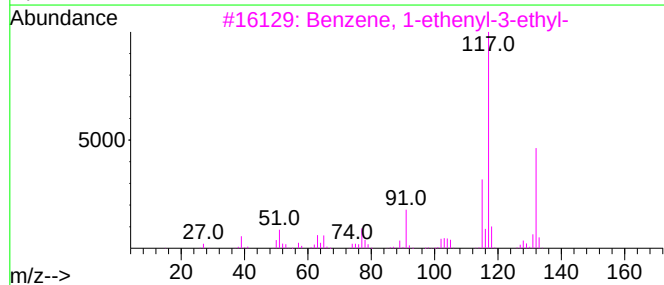
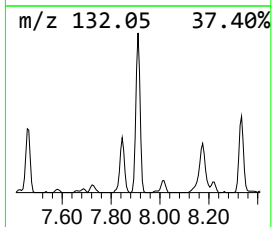
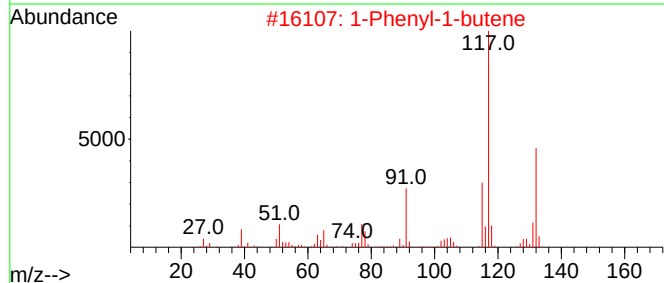
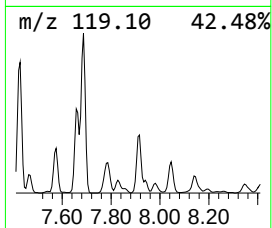
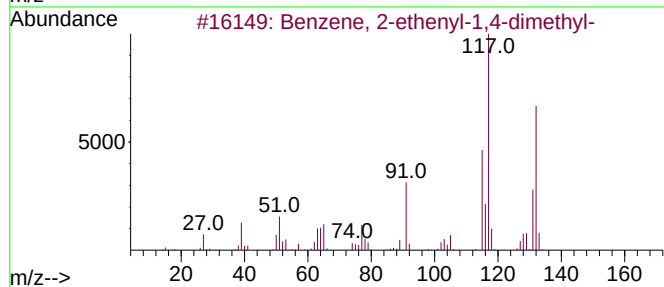
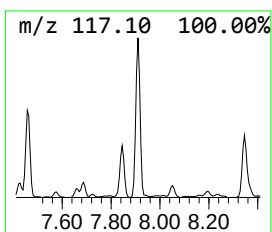
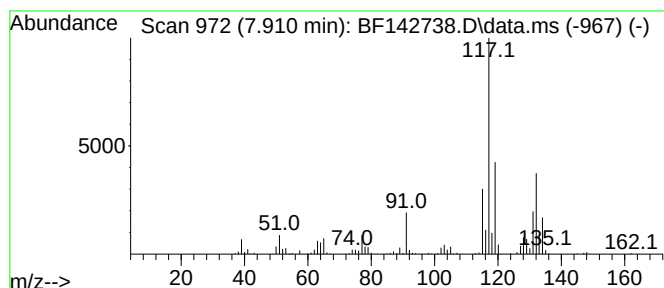
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.910	14.17 ng	361135	Naphthalene-d8	8.175

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	95
2			1-Phenyl-1-butene	132	C10H12	000824-90-8	70
3			Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	70
4			1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	68
5			Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142738.D
Acq On : 11 Jun 2025 16:49
Operator : RC/JU
Sample : Q2268-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

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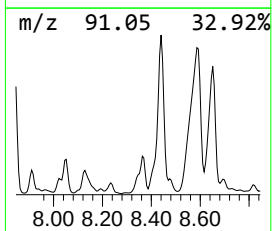
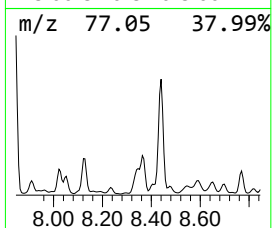
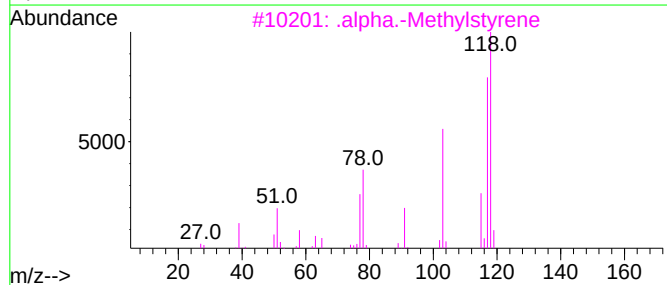
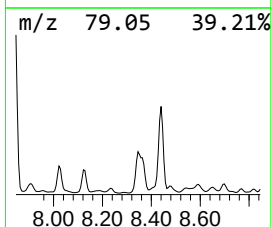
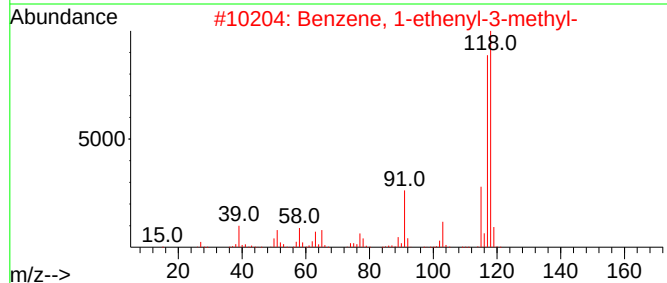
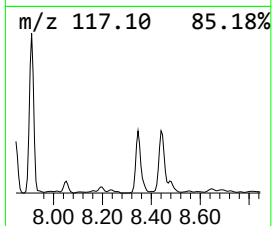
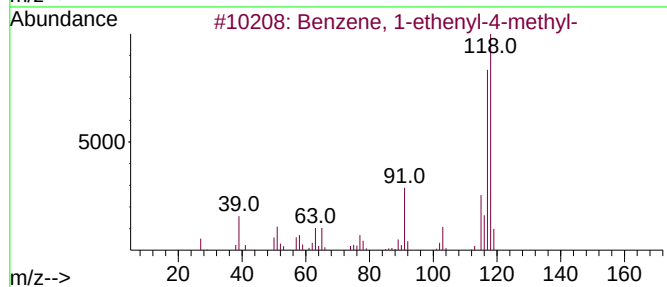
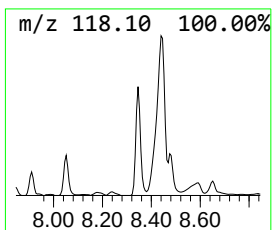
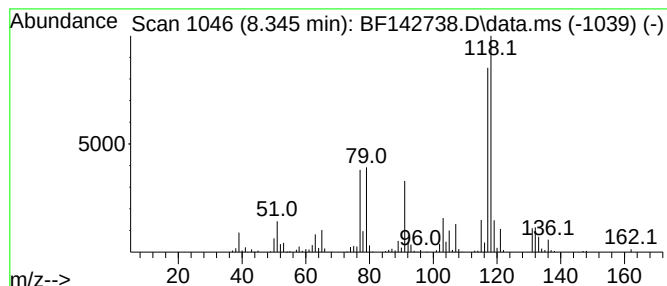
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Benzene, 1-ethenyl-4-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.345	10.49 ng	267467	Naphthalene-d8	8.175

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	83
2			Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	64
3			.alpha.-Methylstyrene	118	C9H10	000098-83-9	52
4			3-Phenyl-1-propanol, acetate	178	C11H14O2	000122-72-5	50
5			Diglycolic acid, hexyl 3-phenylp...	336	C19H28O5	1000382-17-5	35



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142738.D
Acq On : 11 Jun 2025 16:49
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ALS Vial : 17 Sample Multiplier: 1

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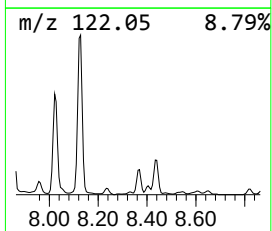
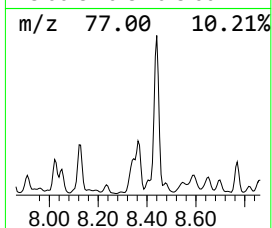
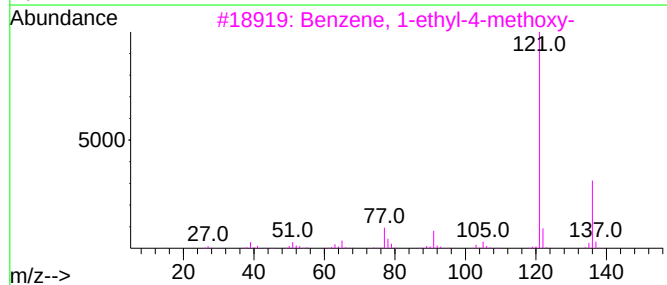
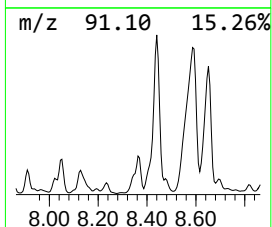
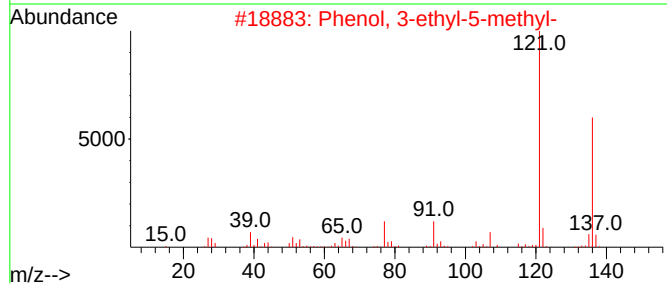
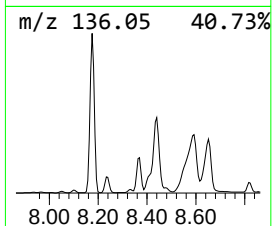
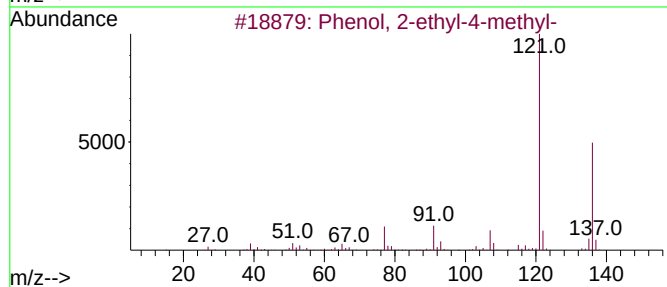
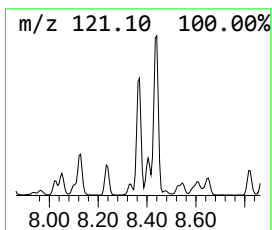
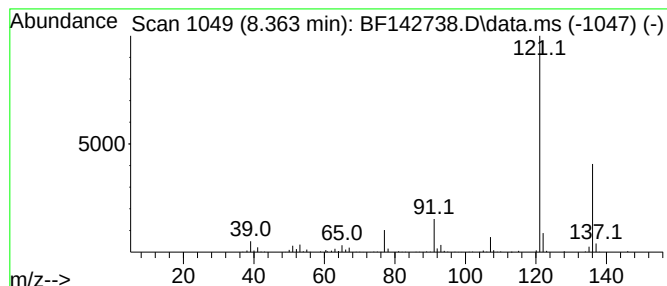
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Phenol, 2-ethyl-4-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.363	11.47 ng	292266	Naphthalene-d8	8.175

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenol, 2-ethyl-4-methyl-	136	C9H12O	003855-26-3	91
2			Phenol, 3-ethyl-5-methyl-	136	C9H12O	000698-71-5	91
3			Benzene, 1-ethyl-4-methoxy-	136	C9H12O	001515-95-3	90
4			p-Cumenol	136	C9H12O	000099-89-8	90
5			Phenol, 3-(1-methylethyl)-	136	C9H12O	000618-45-1	86



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
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ALS Vial : 17 Sample Multiplier: 1

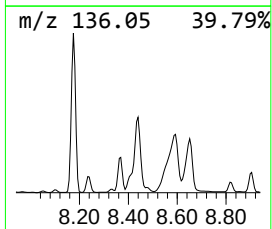
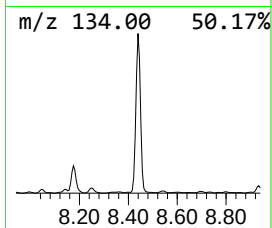
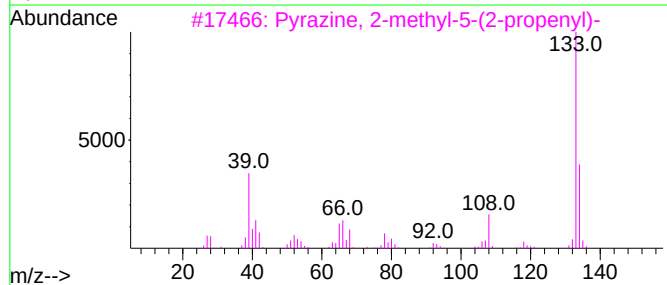
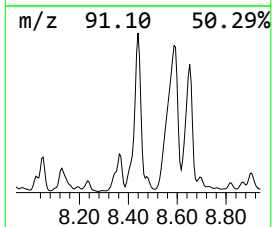
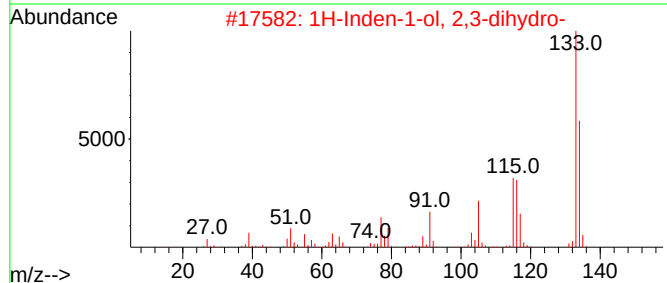
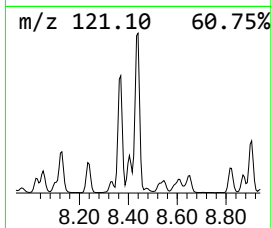
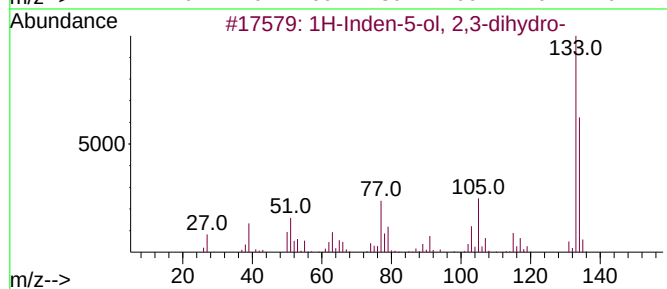
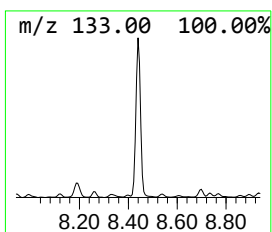
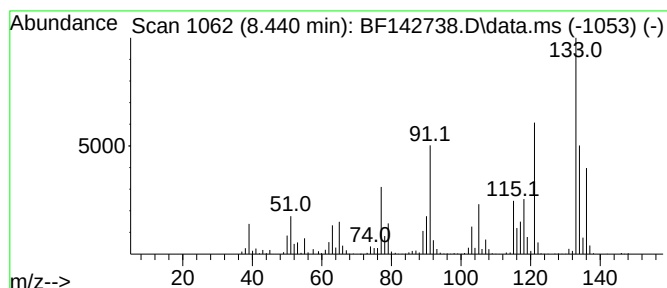
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 1H-Inden-5-ol, 2,3-dihydro- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
8.440	76.78 ng	1957120	Naphthalene-d8	8.175	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Inden-5-ol, 2,3-dihydro-	134	C9H10O	001470-94-6	60
2	1H-Inden-1-ol, 2,3-dihydro-	134	C9H10O	006351-10-6	58
3	Pyrazine, 2-methyl-5-(2-propenyl)-	134	C8H10N2	055138-63-1	38
4	Pyrazine, 2-methyl-3-(2-propenyl)-	134	C8H10N2	055138-62-0	38
5	Pyrazine, 2-methyl-6-(1-propenyl)-	134	C8H10N2	055138-67-5	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142738.D
Acq On : 11 Jun 2025 16:49
Operator : RC/JU
Sample : Q2268-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-6-20250605

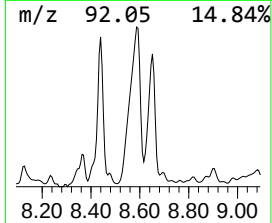
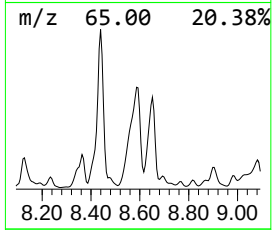
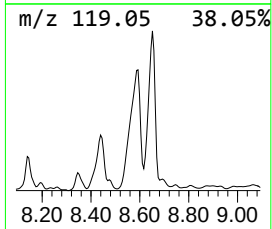
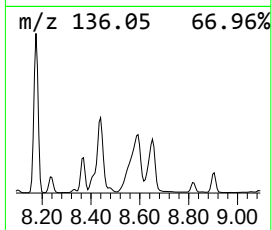
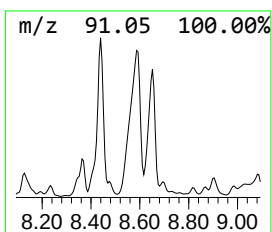
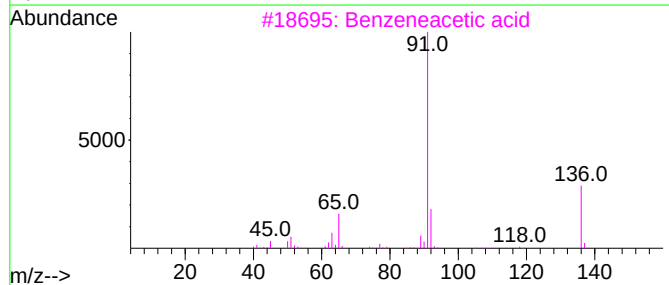
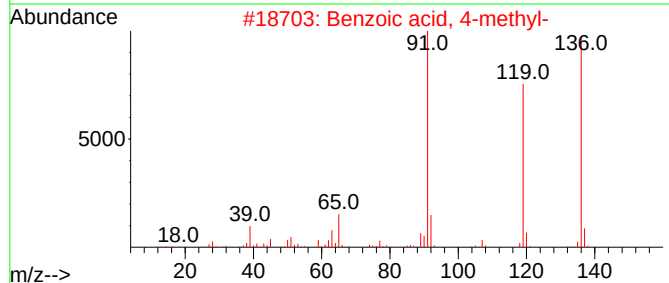
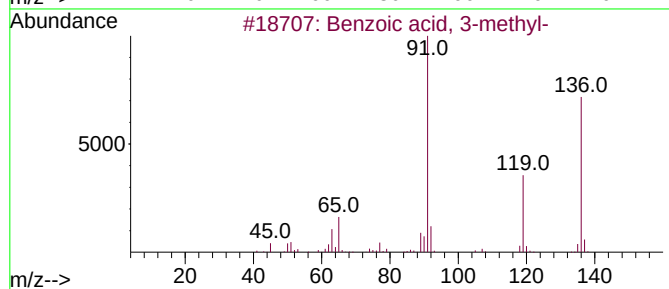
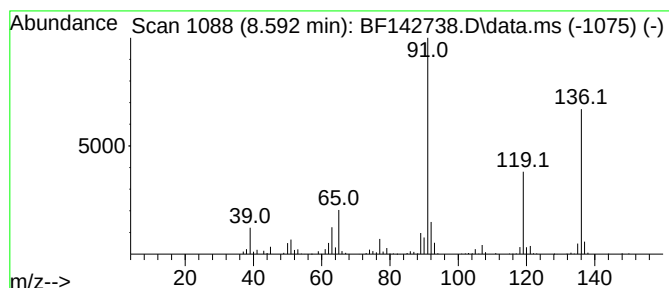
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Benzoic acid, 3-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.592	35.69 ng	909883	Naphthalene-d8	8.175

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzoic acid, 3-methyl-	136	C8H8O2	000099-04-7	97
2			Benzoic acid, 4-methyl-	136	C8H8O2	000099-94-5	90
3			Benzeneacetic acid	136	C8H8O2	000103-82-2	60
4			Phthalan	120	C8H8O	000496-14-0	47
5			Propanedioic acid, phenyl-	180	C9H8O4	002613-89-0	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142738.D
Acq On : 11 Jun 2025 16:49
Operator : RC/JU
Sample : Q2268-07
Misc :
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ClientSampleId :
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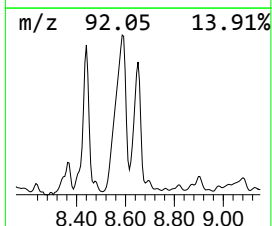
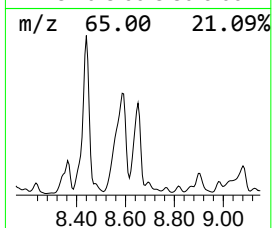
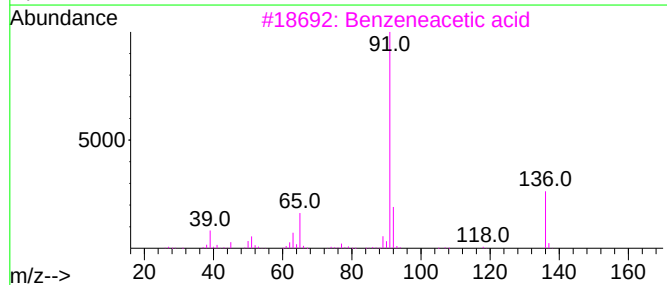
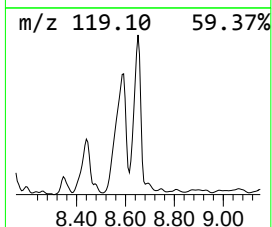
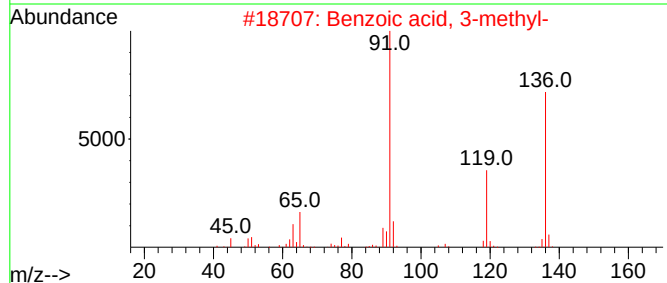
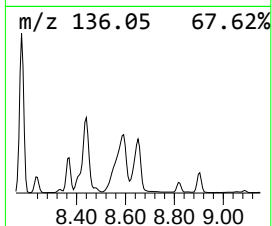
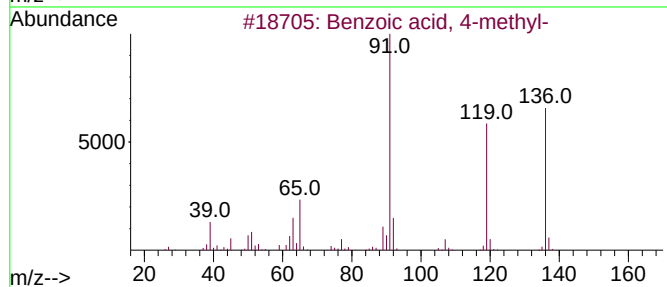
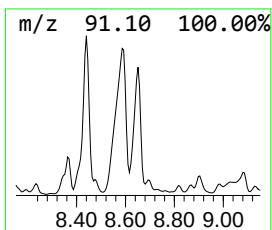
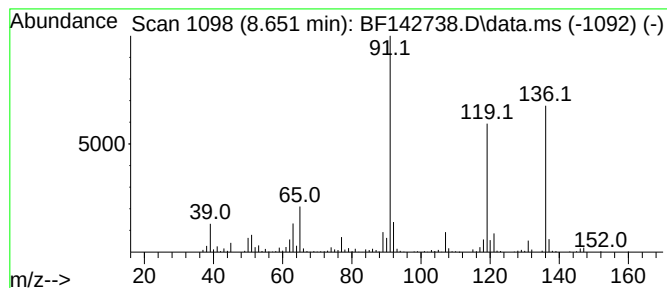
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Benzoic acid, 4-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.651	22.04 ng	561882	Naphthalene-d8	8.175

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzoic acid, 4-methyl-	136	C8H8O2	000099-94-5	95
2			Benzoic acid, 3-methyl-	136	C8H8O2	000099-04-7	76
3			Benzeneacetic acid	136	C8H8O2	000103-82-2	60
4			p-Methylbenzeneboronic acid	136	C7H9BO2	005720-05-8	53
5			Propanedioic acid, phenyl-	180	C9H8O4	002613-89-0	49



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142738.D
Acq On : 11 Jun 2025 16:49
Operator : RC/JU
Sample : Q2268-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

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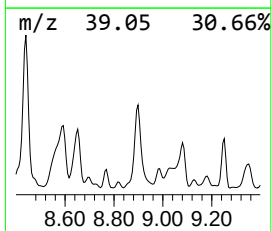
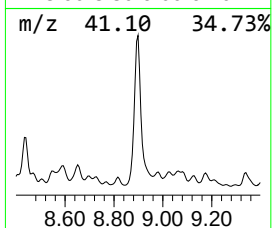
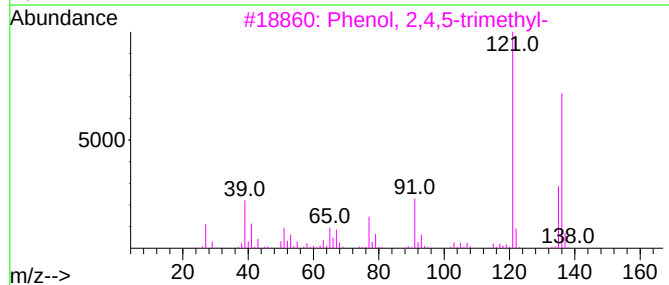
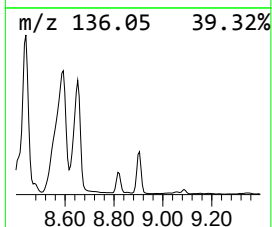
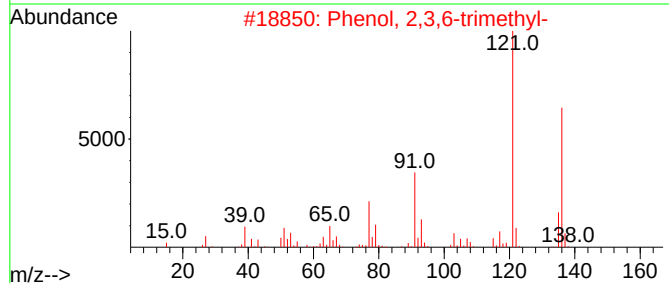
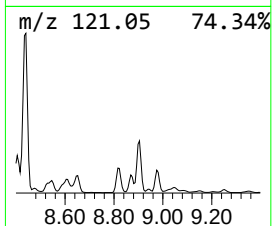
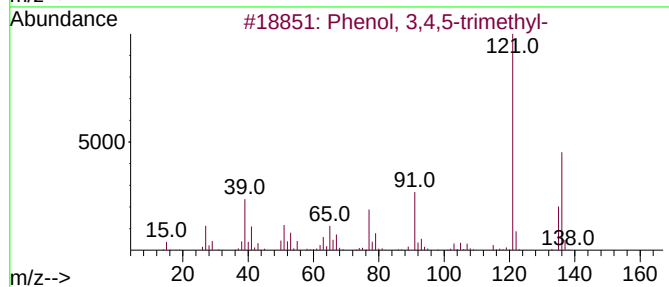
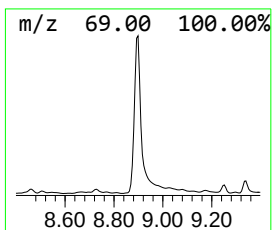
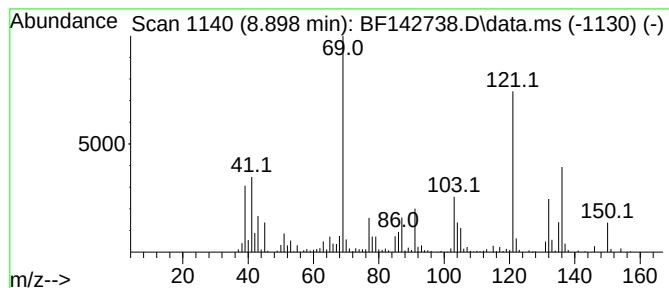
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Phenol, 3,4,5-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.898	24.16 ng	615795	Naphthalene-d8	8.175

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenol, 3,4,5-trimethyl-	136	C9H12O	000527-54-8	83
2			Phenol, 2,3,6-trimethyl-	136	C9H12O	002416-94-6	46
3			Phenol, 2,4,5-trimethyl-	136	C9H12O	000496-78-6	46
4			Phenol, 3-ethyl-5-methyl-	136	C9H12O	000698-71-5	38
5			Phenol, 3-(1-methylethyl)-	136	C9H12O	000618-45-1	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142738.D
Acq On : 11 Jun 2025 16:49
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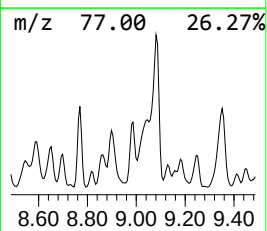
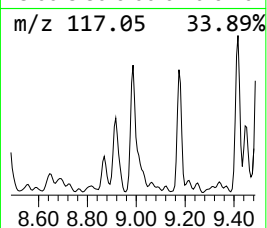
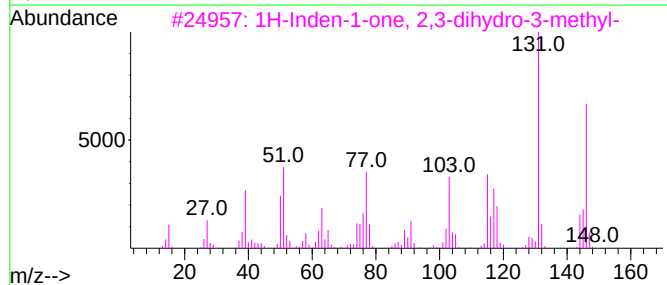
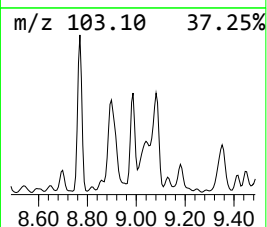
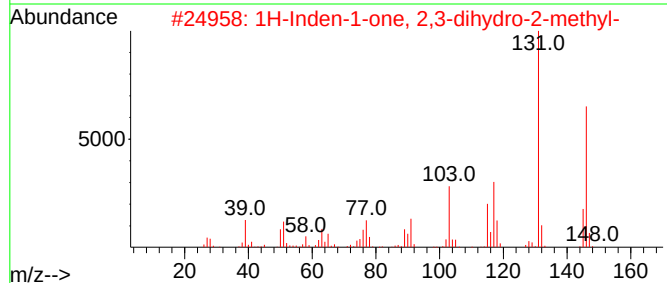
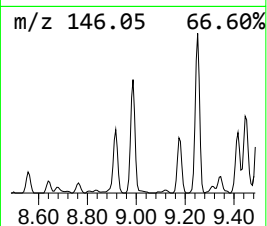
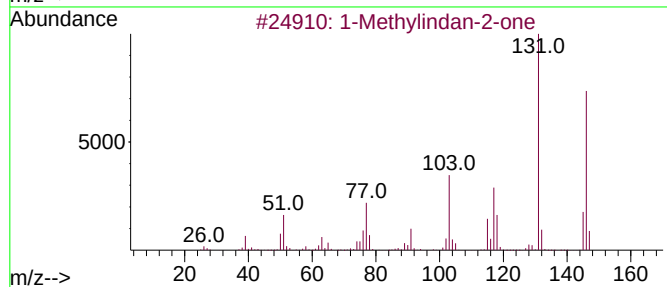
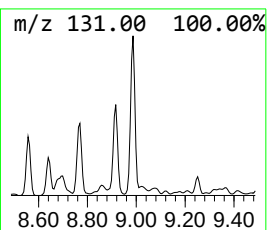
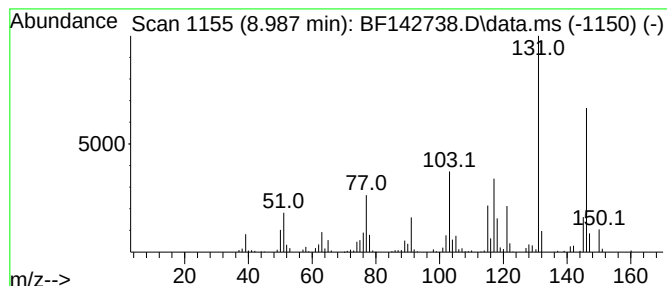
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 1-Methylindan-2-one Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.987	9.95 ng	253525	Naphthalene-d8	8.175

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1-Methylindan-2-one	146	C10H10O	035587-60-1	97
2		1H-Inden-1-one, 2,3-dihydro-2-me...	146	C10H10O	017496-14-9	91
3		1H-Inden-1-one, 2,3-dihydro-3-me...	146	C10H10O	006072-57-7	87
4		Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	72
5		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	58



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142738.D
Acq On : 11 Jun 2025 16:49
Operator : RC/JU
Sample : Q2268-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

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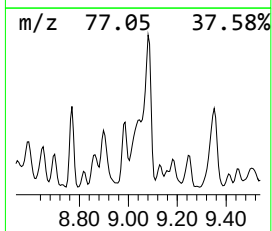
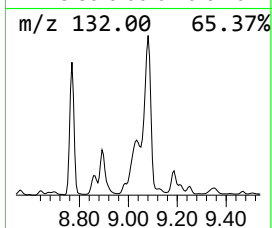
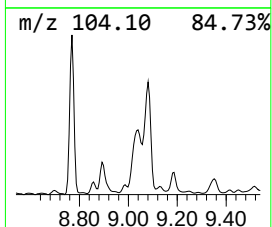
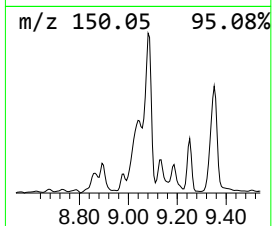
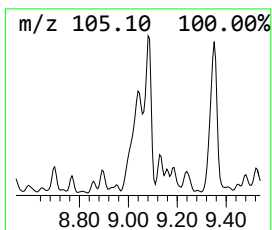
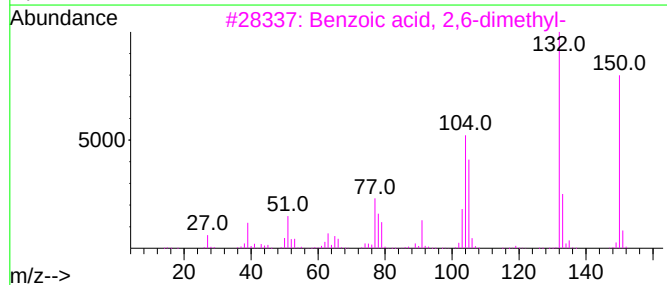
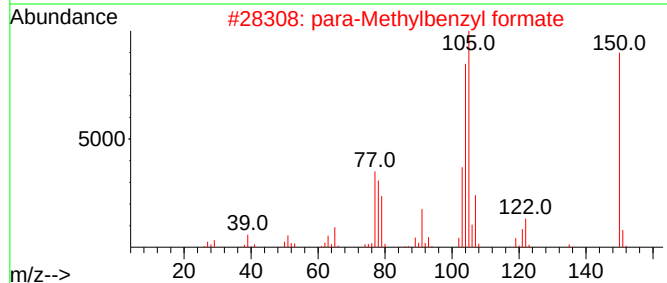
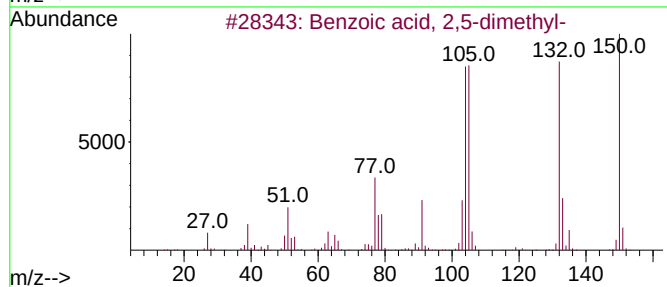
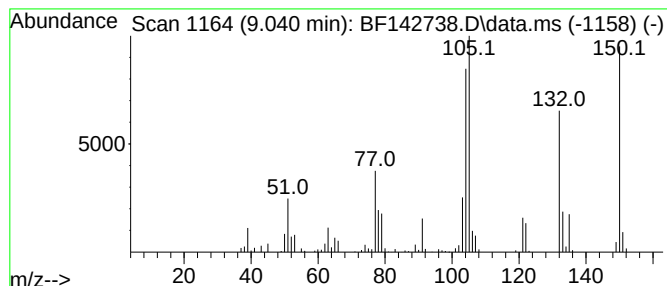
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Benzoic acid, 2,5-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.040	13.70 ng	349129	Naphthalene-d8	8.175

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzoic acid, 2,5-dimethyl-	150	C9H10O2	000610-72-0	96
2		para-Methylbenzyl formate	150	C9H10O2	1000368-93-7	76
3		Benzoic acid, 2,6-dimethyl-	150	C9H10O2	000632-46-2	70
4		Benzoic acid, 2,3-dimethyl-	150	C9H10O2	000603-79-2	64
5		o-Tolylacetic acid	150	C9H10O2	000644-36-0	58



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142738.D
Acq On : 11 Jun 2025 16:49
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ALS Vial : 17 Sample Multiplier: 1

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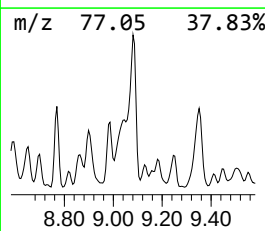
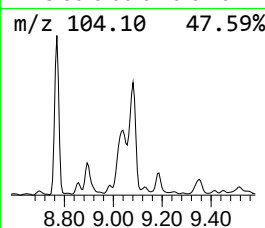
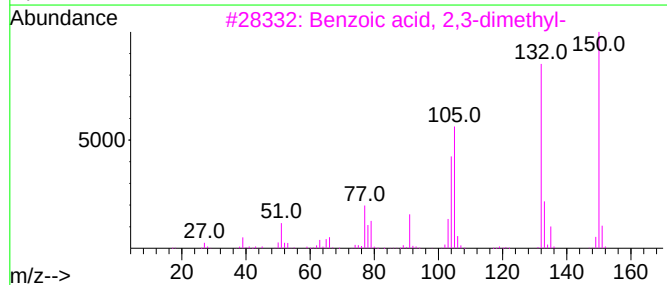
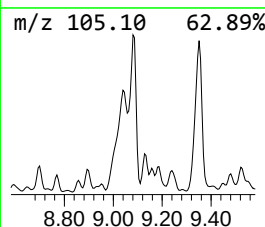
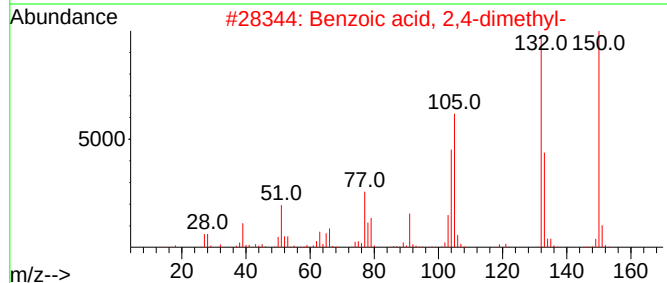
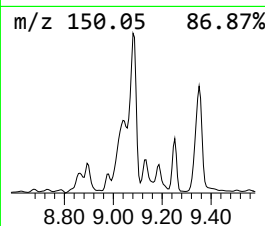
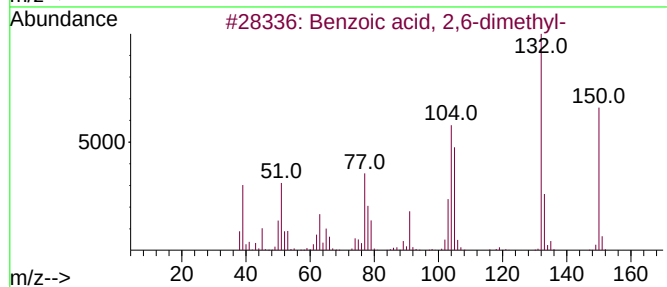
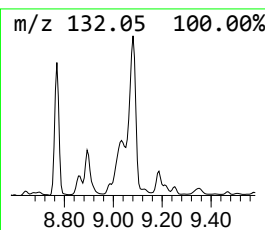
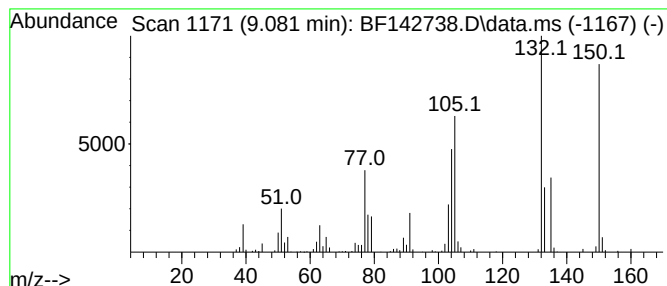
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Benzoic acid, 2,6-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.081	26.34 ng	547651	Acenaphthene-d10	9.928

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzoic acid, 2,6-dimethyl-	150	C9H10O2	000632-46-2	95
2			Benzoic acid, 2,4-dimethyl-	150	C9H10O2	000611-01-8	93
3			Benzoic acid, 2,3-dimethyl-	150	C9H10O2	000603-79-2	83
4			Benzoic acid, 2,5-dimethyl-	150	C9H10O2	000610-72-0	76
5			Benzamide, 2-(methylamino)-	150	C8H10N2O	007505-81-9	53



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142738.D
Acq On : 11 Jun 2025 16:49
Operator : RC/JU
Sample : Q2268-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
MW-6-20250605

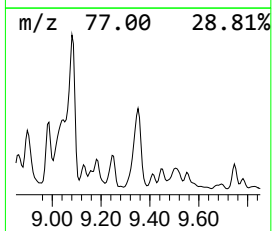
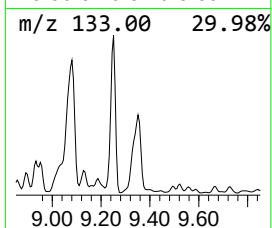
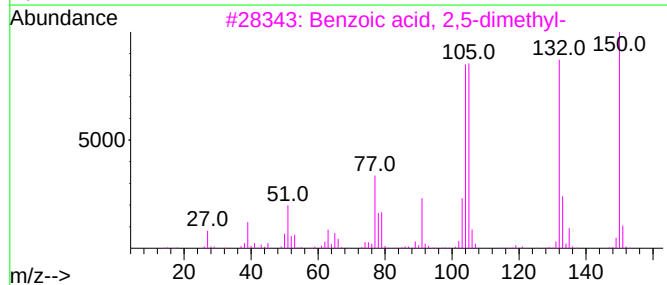
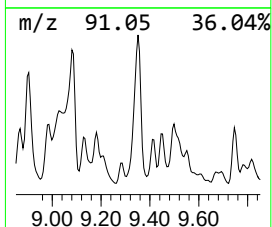
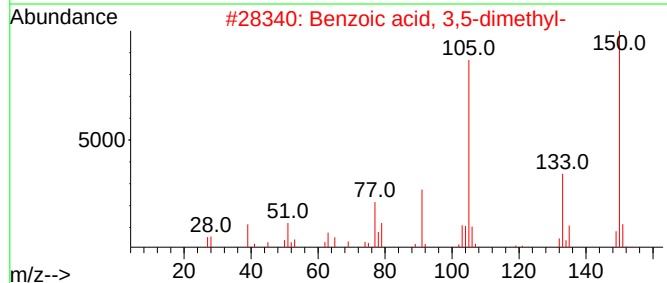
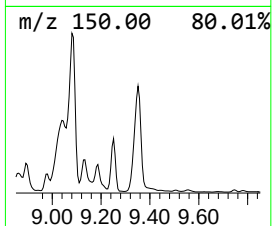
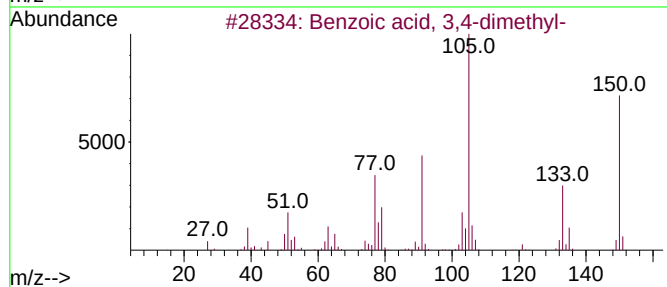
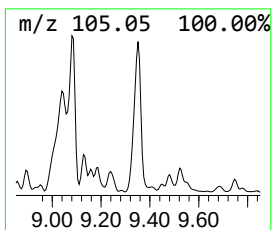
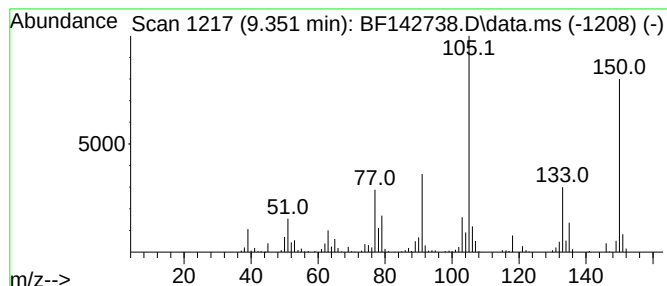
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Benzoic acid, 3,4-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.351	18.09 ng	376097	Acenaphthene-d10	9.928

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzoic acid, 3,4-dimethyl-	150	C9H10O2	000619-04-5	97
2			Benzoic acid, 3,5-dimethyl-	150	C9H10O2	000499-06-9	96
3			Benzoic acid, 2,5-dimethyl-	150	C9H10O2	000610-72-0	87
4			m-Tolylacetic acid	150	C9H10O2	000621-36-3	81
5			Benzeneacetic acid, .alpha.-methyl-	150	C9H10O2	000492-37-5	81



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142738.D
Acq On : 11 Jun 2025 16:49
Operator : RC/JU
Sample : Q2268-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-6-20250605

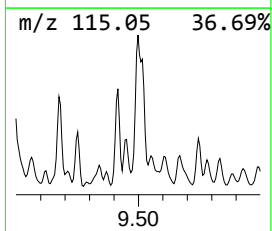
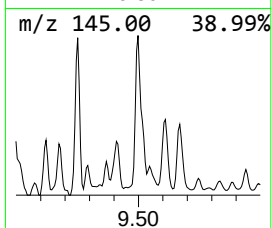
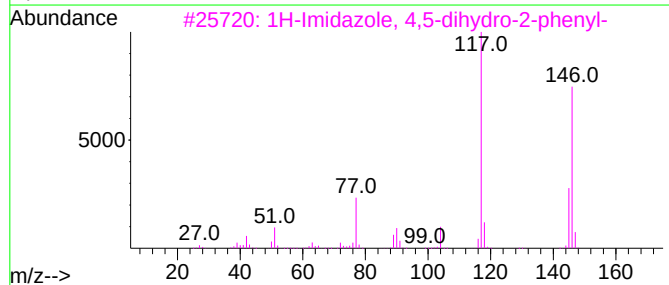
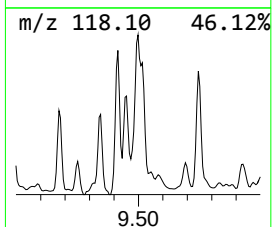
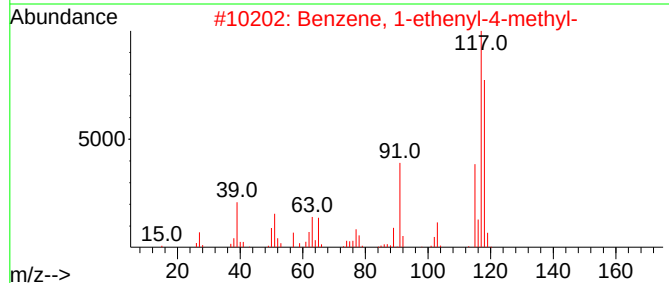
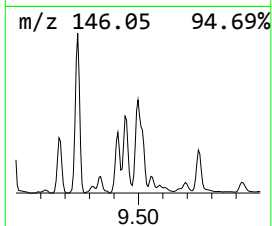
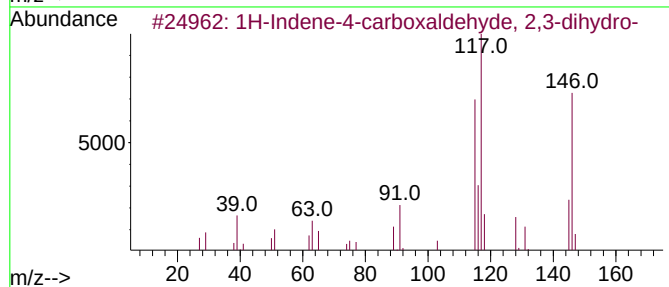
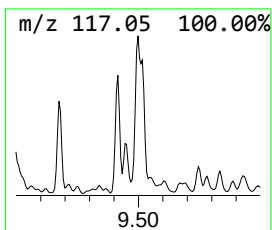
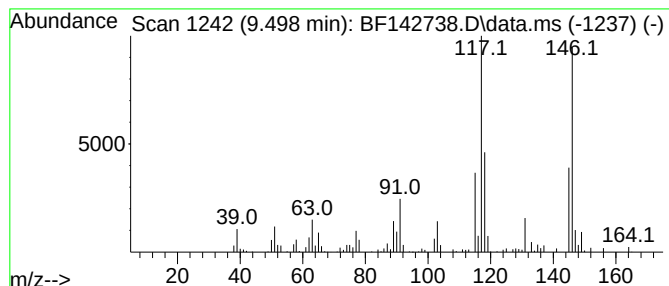
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 1H-Indene-4-carboxaldehyde,... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD		R.T.
9.498	11.47 ng	238555	Acenaphthene-d10		9.928

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene-4-carboxaldehyde, 2,3-...	146	C10H10O	051932-70-8	70	
2	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	64	
3	1H-Imidazole, 4,5-dihydro-2-phenyl-	146	C9H10N2	000936-49-2	64	
4	Benzene, 1-pentenyl-	146	C11H14	000826-18-6	52	
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	42	



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142738.D
Acq On : 11 Jun 2025 16:49
Operator : RC/JU
Sample : Q2268-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-6-20250605

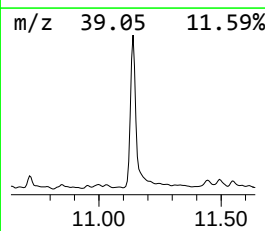
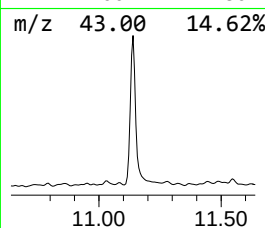
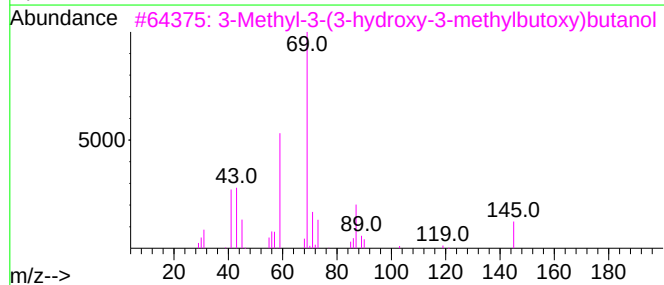
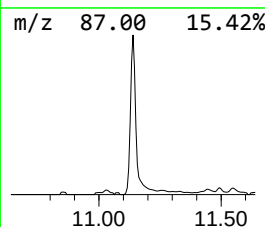
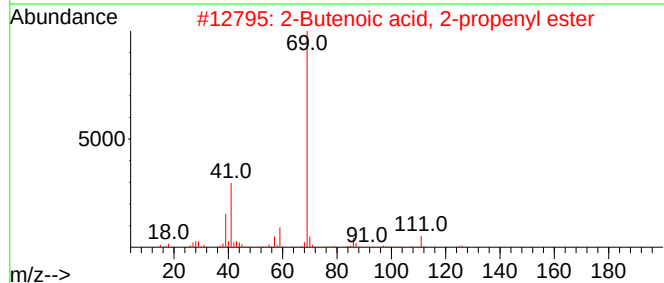
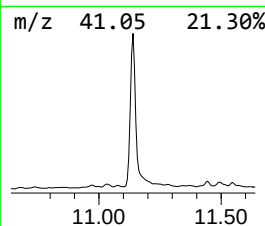
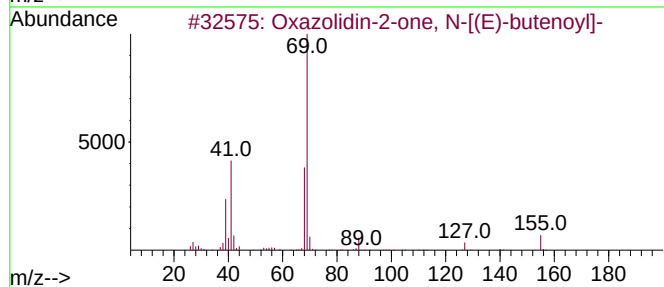
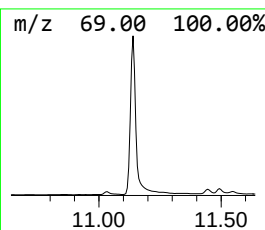
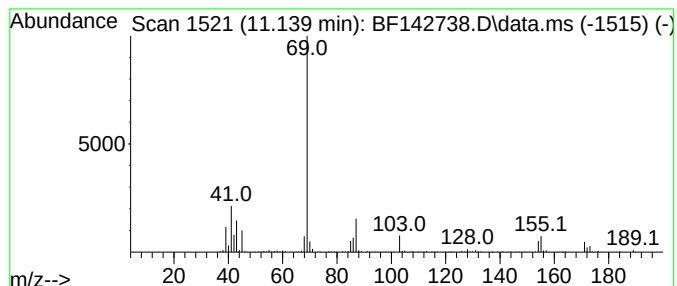
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 unknown11.139 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.139	22.94 ng	404571	Phenanthrene-d10	11.416

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Oxazolidin-2-one, N-[(E)-butenoyl]-	155	C7H9NO3	1010156-45-5	40
2			2-Butenoic acid, 2-propenyl ester	126	C7H10O2	020474-93-5	40
3			3-Methyl-3-(3-hydroxy-3-methylbu...	190	C10H22O3	1000432-16-8	39
4			Ethyl cyclopropanecarboxylate	114	C6H10O2	004606-07-9	38
5			2-Decene, 2-methyl-	154	C11H22	023381-92-2	9



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142738.D
Acq On : 11 Jun 2025 16:49
Operator : RC/JU
Sample : Q2268-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-6-20250605

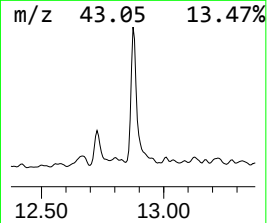
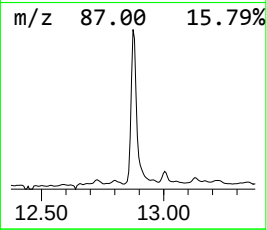
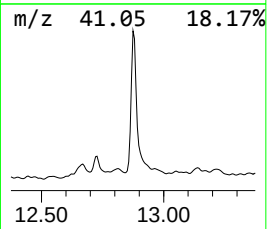
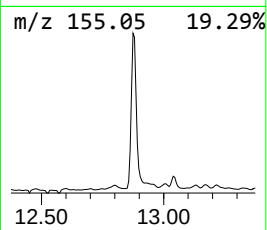
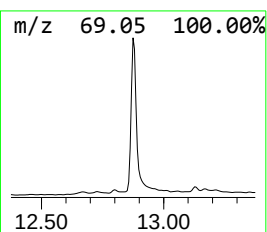
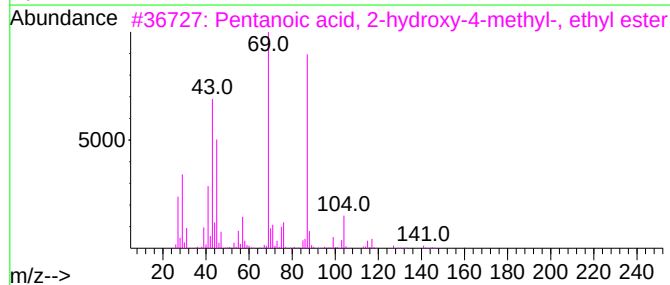
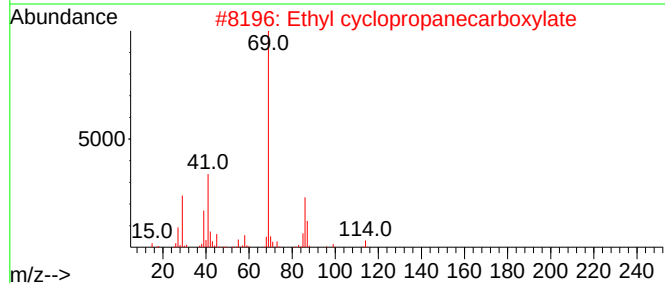
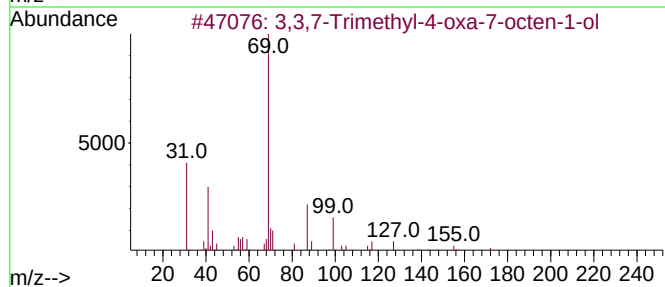
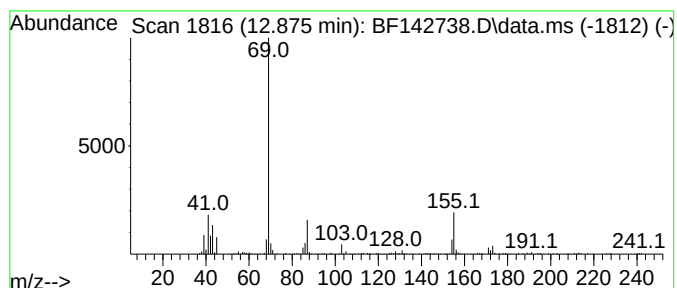
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 unknown12.875 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.875	13.01 ng	235028	Chrysene-d12	14.063

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,3,7-Trimethyl-4-oxa-7-octen-1-ol	172	C10H20O2		069161-47-3	36
2	Ethyl cyclopropanecarboxylate	114	C6H10O2		004606-07-9	33
3	Pentanoic acid, 2-hydroxy-4-meth...	160	C8H16O3		010348-47-7	33
4	2-Butenoic acid, 1-methylpropyl ...	142	C8H14O2		010371-45-6	9
5	1,3-Butylene glycol dimethacrylate	226	C12H18O4		001189-08-8	9



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142738.D
Acq On : 11 Jun 2025 16:49
Operator : RC/JU
Sample : Q2268-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-6-20250605

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.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
unknown3.934	3.934	11.4	ng	192992	1	6.893	337886	20.0
Benzene, 1-ethy...	6.951	45.7	ng	771834	1	6.893	337886	20.0
Benzene, 1,3-di...	7.140	10.2	ng	172893	1	6.893	337886	20.0
Benzene, 2-ethy...	7.210	20.7	ng	349776	1	6.893	337886	20.0
Benzenemethanol...	7.775	10.6	ng	269585	2	8.175	509819	20.0
Benzene, 2-ethe...	7.910	14.2	ng	361135	2	8.175	509819	20.0
Benzene, 1-ethe...	8.345	10.5	ng	267467	2	8.175	509819	20.0
Phenol, 2-ethyl...	8.363	11.5	ng	292266	2	8.175	509819	20.0
1H-Inden-5-ol, ...	8.440	76.8	ng	1957120	2	8.175	509819	20.0
Benzoic acid, 3...	8.592	35.7	ng	909883	2	8.175	509819	20.0
Benzoic acid, 4...	8.651	22.0	ng	561882	2	8.175	509819	20.0
Phenol, 3,4,5-t...	8.898	24.2	ng	615795	2	8.175	509819	20.0
1-Methylindan-2...	8.987	9.9	ng	253525	2	8.175	509819	20.0
Benzoic acid, 2...	9.040	13.7	ng	349129	2	8.175	509819	20.0
Benzoic acid, 2...	9.081	26.3	ng	547651	3	9.928	415814	20.0
Benzoic acid, 3...	9.351	18.1	ng	376097	3	9.928	415814	20.0
1H-Indene-4-car...	9.498	11.5	ng	238555	3	9.928	415814	20.0
unknown11.139	11.139	22.9	ng	404571	4	11.416	352780	20.0
unknown12.875	12.875	13.0	ng	235028	5	14.063	361262	20.0

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	06/05/25
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	06/06/25
Client Sample ID:	MW-6-20250605DL	SDG No.:	Q2268
Lab Sample ID:	Q2268-07DL	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142754.D	2	06/10/25 08:10	06/12/25 13:29	PB168376

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	8.10	UD	8.10	20.8	ug/L
108-95-2	Phenol	6.50	JD	1.90	10.4	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.70	UD	1.70	10.4	ug/L
95-57-8	2-Chlorophenol	1.20	UD	1.20	10.4	ug/L
95-48-7	2-Methylphenol	2.30	UD	2.30	10.4	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	2.70	UD	2.70	10.4	ug/L
98-86-2	Acetophenone	1.50	UD	1.50	10.4	ug/L
65794-96-9	3+4-Methylphenols	2.30	UD	2.30	20.8	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2.90	UD	2.90	5.20	ug/L
67-72-1	Hexachloroethane	1.40	UD	1.40	10.4	ug/L
98-95-3	Nitrobenzene	1.60	UD	1.60	10.4	ug/L
78-59-1	Isophorone	1.60	UD	1.60	10.4	ug/L
88-75-5	2-Nitrophenol	3.70	UD	3.70	10.4	ug/L
105-67-9	2,4-Dimethylphenol	130	D	3.90	10.4	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1.40	UD	1.40	10.4	ug/L
120-83-2	2,4-Dichlorophenol	1.10	UD	1.10	10.4	ug/L
91-20-3	Naphthalene	1.00	UD	1.00	10.4	ug/L
106-47-8	4-Chloroaniline	1.80	UD	1.80	10.4	ug/L
87-68-3	Hexachlorobutadiene	1.10	UD	1.10	10.4	ug/L
105-60-2	Caprolactam	2.40	UD	2.40	20.8	ug/L
59-50-7	4-Chloro-3-methylphenol	1.20	UD	1.20	10.4	ug/L
91-57-6	2-Methylnaphthalene	1.20	UD	1.20	10.4	ug/L
77-47-4	Hexachlorocyclopentadiene	7.60	UD	7.60	20.8	ug/L
88-06-2	2,4,6-Trichlorophenol	1.10	UD	1.10	10.4	ug/L
95-95-4	2,4,5-Trichlorophenol	1.30	UD	1.30	10.4	ug/L
92-52-4	1,1-Biphenyl	1.10	UD	1.10	10.4	ug/L
91-58-7	2-Chloronaphthalene	1.30	UD	1.30	10.4	ug/L
88-74-4	2-Nitroaniline	2.60	UD	2.60	10.4	ug/L
131-11-3	Dimethylphthalate	1.30	UD	1.30	10.4	ug/L

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	06/05/25
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	06/06/25
Client Sample ID:	MW-6-20250605DL	SDG No.:	Q2268
Lab Sample ID:	Q2268-07DL	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142754.D	2	06/10/25 08:10	06/12/25 13:29	PB168376

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	1.60	UD	1.60	10.4	ug/L
606-20-2	2,6-Dinitrotoluene	1.90	UD	1.90	10.4	ug/L
99-09-2	3-Nitroaniline	2.20	UD	2.20	10.4	ug/L
83-32-9	Acenaphthene	1.10	UD	1.10	10.4	ug/L
51-28-5	2,4-Dinitrophenol	12.4	UD	12.4	20.8	ug/L
100-02-7	4-Nitrophenol	5.00	UD	5.00	20.8	ug/L
132-64-9	Dibenzofuran	1.30	UD	1.30	10.4	ug/L
121-14-2	2,4-Dinitrotoluene	2.50	UD	2.50	10.4	ug/L
84-66-2	Diethylphthalate	1.40	UD	1.40	10.4	ug/L
7005-72-3	4-Chlorophenyl-phenylether	1.40	UD	1.40	10.4	ug/L
86-73-7	Fluorene	1.30	UD	1.30	10.4	ug/L
100-01-6	4-Nitroaniline	3.10	UD	3.10	10.4	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	6.00	UD	6.00	20.8	ug/L
86-30-6	n-Nitrosodiphenylamine	1.20	UD	1.20	10.4	ug/L
101-55-3	4-Bromophenyl-phenylether	0.83	UD	0.83	10.4	ug/L
118-74-1	Hexachlorobenzene	1.10	UD	1.10	10.4	ug/L
1912-24-9	Atrazine	2.10	UD	2.10	10.4	ug/L
87-86-5	Pentachlorophenol	3.30	UD	3.30	20.8	ug/L
85-01-8	Phenanthrene	1.00	UD	1.00	10.4	ug/L
120-12-7	Anthracene	1.30	UD	1.30	10.4	ug/L
86-74-8	Carbazole	1.50	UD	1.50	10.4	ug/L
84-74-2	Di-n-butylphthalate	2.50	UD	2.50	10.4	ug/L
206-44-0	Fluoranthene	1.70	UD	1.70	10.4	ug/L
129-00-0	Pyrene	1.00	UD	1.00	10.4	ug/L
85-68-7	Butylbenzylphthalate	4.00	UD	4.00	10.4	ug/L
91-94-1	3,3-Dichlorobenzidine	1.90	UD	1.90	20.8	ug/L
56-55-3	Benzo(a)anthracene	0.94	UD	0.94	10.4	ug/L
218-01-9	Chrysene	0.92	UD	0.92	10.4	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	3.30	UD	3.30	10.4	ug/L
117-84-0	Di-n-octyl phthalate	4.90	UD	4.90	20.8	ug/L
205-99-2	Benzo(b)fluoranthene	1.00	UD	1.00	10.4	ug/L

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.		Date Collected:	06/05/25
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05		Date Received:	06/06/25
Client Sample ID:	MW-6-20250605DL		SDG No.:	Q2268
Lab Sample ID:	Q2268-07DL		Matrix:	Water
Analytical Method:	8270E		% Solid:	0
Sample Wt/Vol:	960	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOCMS Group1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142754.D	2	06/10/25 08:10	06/12/25 13:29	PB168376

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	1.00	UD	1.00	10.4	ug/L
50-32-8	Benzo(a)pyrene	1.10	UD	1.10	10.4	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1.20	UD	1.20	10.4	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.40	UD	1.40	10.4	ug/L
191-24-2	Benzo(g,h,i)perylene	1.40	UD	1.40	10.4	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.10	UD	1.10	10.4	ug/L
123-91-1	1,4-Dioxane	2.10	UD	2.10	10.4	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	1.50	UD	1.50	10.4	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	70.1		23 - 138	47%	SPK: 150
13127-88-3	Phenol-d6	51.0		10 - 134	34%	SPK: 150
4165-60-0	Nitrobenzene-d5	90.7		67 - 132	91%	SPK: 100
321-60-8	2-Fluorobiphenyl	94.7		52 - 132	95%	SPK: 100
118-79-6	2,4,6-Tribromophenol	126		44 - 137	84%	SPK: 150
1718-51-0	Terphenyl-d14	70.1		42 - 152	70%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	64700	6.892			
1146-65-2	Naphthalene-d8	236000	8.175			
15067-26-2	Acenaphthene-d10	121000	9.928			
1517-22-2	Phenanthrene-d10	173000	11.416			
1719-03-5	Chrysene-d12	110000	14.063			
1520-96-3	Perylene-d12	150000	15.557			

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\BF061225\
 Data File : BF142754.D
 Acq On : 12 Jun 2025 13:29
 Operator : RC/JU
 Sample : Q2268-07DL 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-6-20250605DL

Quant Time: Jun 12 13:57:01 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 11 05:56:09 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

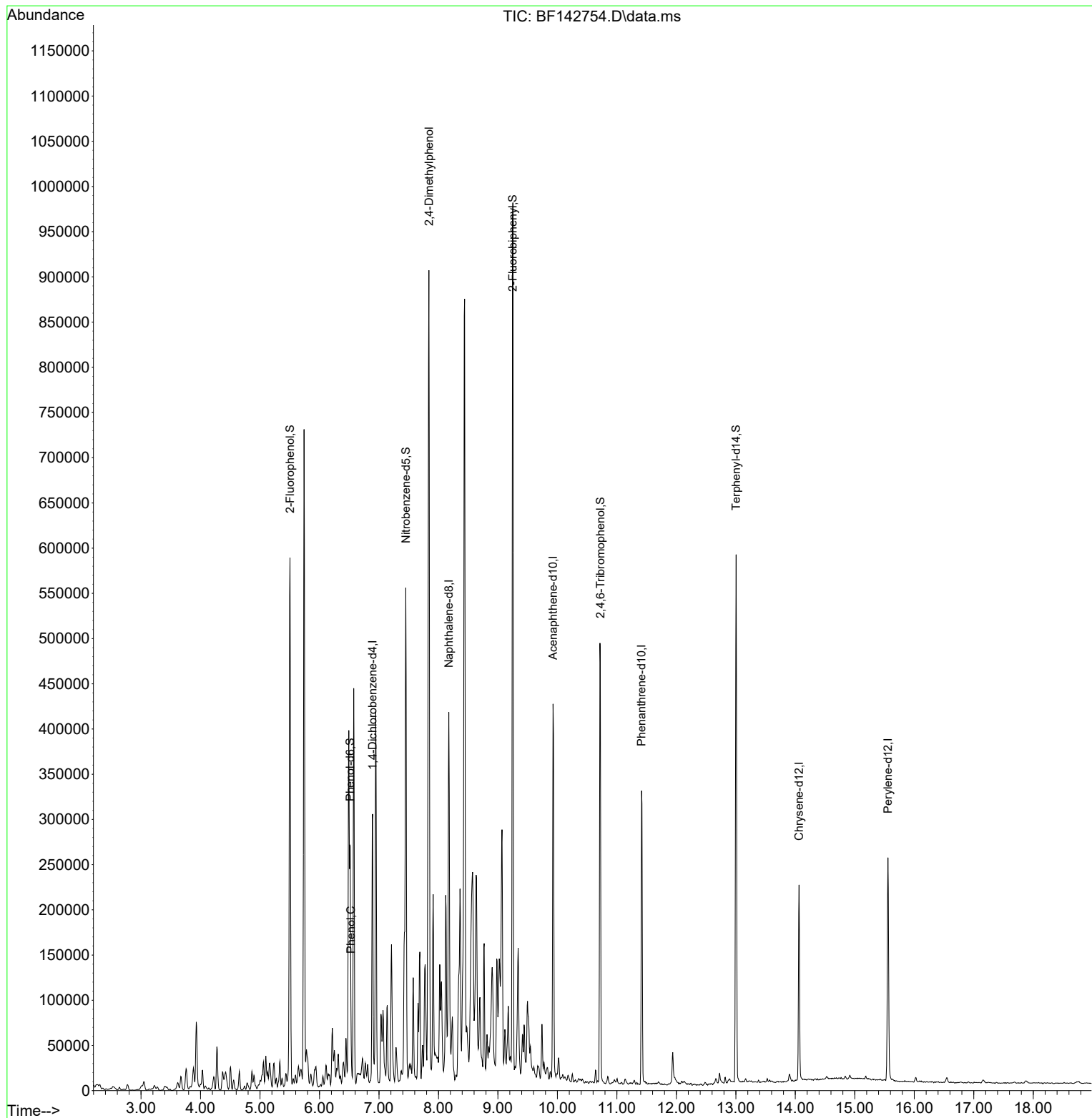
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	64680	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	235685	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	121112	20.000	ng	-0.01
64) Phenanthrene-d10	11.416	188	172881	20.000	ng	0.00
76) Chrysene-d12	14.063	240	110385	20.000	ng	0.00
86) Perylene-d12	15.557	264	149783	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	133079	35.042	ng	0.00
7) Phenol-d6	6.516	99	114056	25.520	ng	0.00
23) Nitrobenzene-d5	7.451	82	195279	45.345	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	83820	63.147	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	431868	47.374	ng	0.00
79) Terphenyl-d14	13.004	244	281774	35.059	ng	0.00
Target Compounds						
10) Phenol	6.528	94	15461	3.112	ng	Qvalue 96
27) 2,4-Dimethylphenol	7.839	122	222139	61.166	ng	# 92

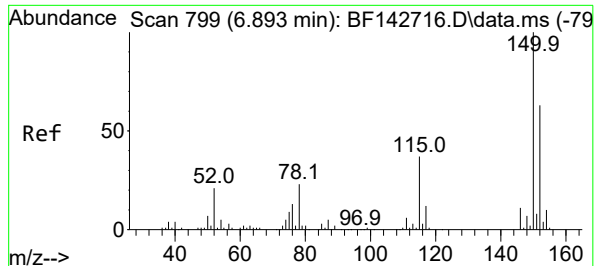
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061225\
Data File : BF142754.D
Acq On : 12 Jun 2025 13:29
Operator : RC/JU
Sample : Q2268-07DL 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-6-20250605DL

Quant Time: Jun 12 13:57:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 11 05:56:09 2025
Response via : Initial Calibration

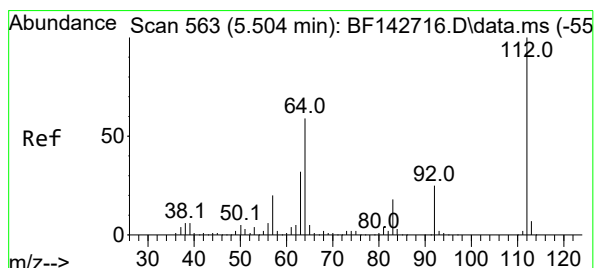
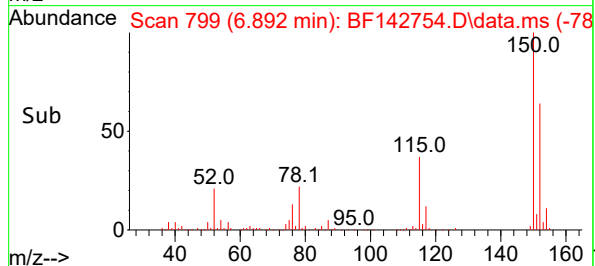
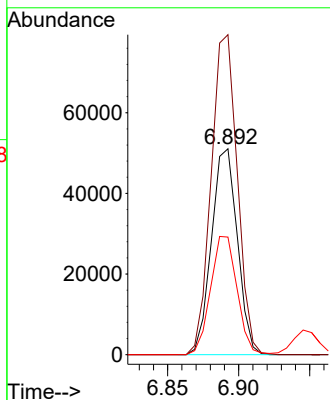
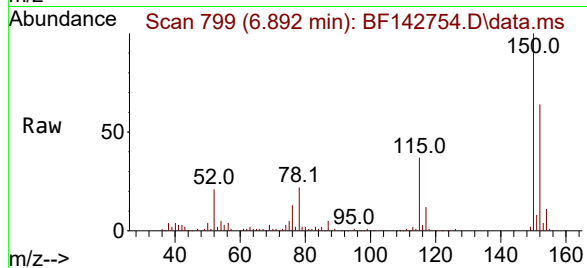




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 799
Delta R.T. -0.001 min
Lab File: BF142754.D
Acq: 12 Jun 2025 13:29

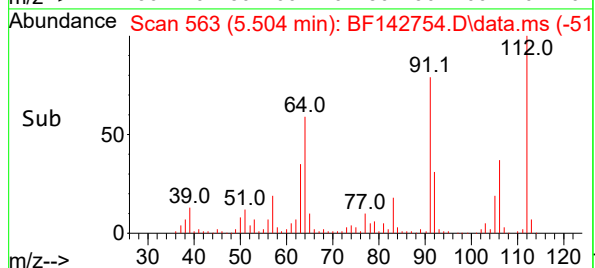
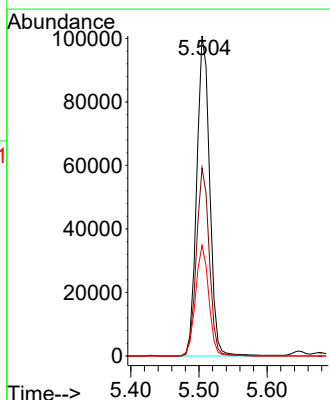
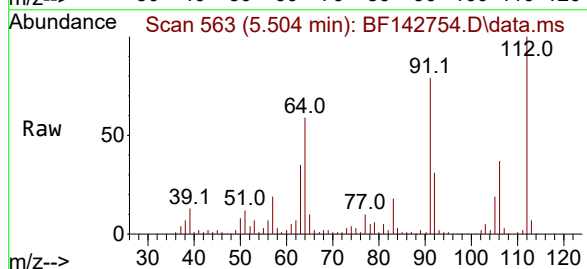
Instrument :
BNA_F
ClientSampleId :
MW-6-20250605DL

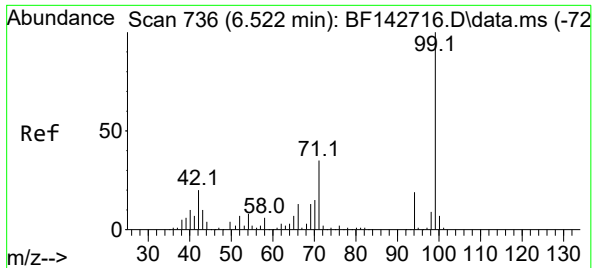
Tgt Ion:152 Resp: 64680
Ion Ratio Lower Upper
152 100
150 155.5 126.9 190.3
115 57.1 47.0 70.6



#5
2-Fluorophenol
Concen: 35.042 ng
RT: 5.504 min Scan# 563
Delta R.T. 0.000 min
Lab File: BF142754.D
Acq: 12 Jun 2025 13:29

Tgt Ion:112 Resp: 133079
Ion Ratio Lower Upper
112 100
64 58.8 47.4 71.2
63 34.6 25.4 38.0





#7

Phenol-d6

Concen: 25.520 ng

RT: 6.516 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF142754.D

Acq: 12 Jun 2025 13:29

Instrument :

BNA_F

ClientSampleId :

MW-6-20250605DL

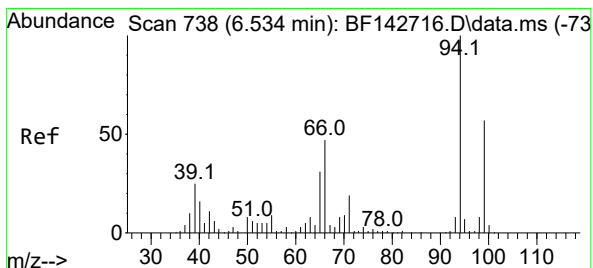
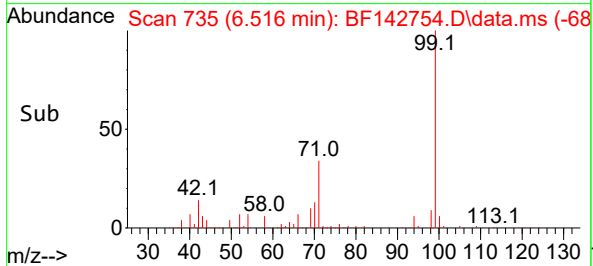
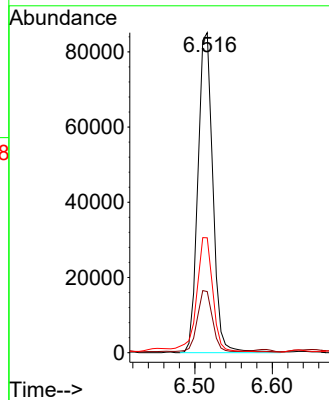
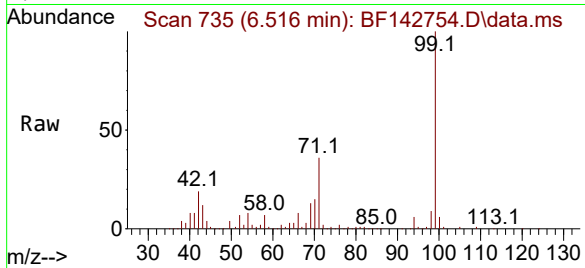
Tgt Ion: 99 Resp: 114056

Ion Ratio Lower Upper

99 100

42 19.1 15.9 23.9

71 35.9 28.0 42.0



#10

Phenol

Concen: 3.112 ng

RT: 6.528 min Scan# 737

Delta R.T. -0.006 min

Lab File: BF142754.D

Acq: 12 Jun 2025 13:29

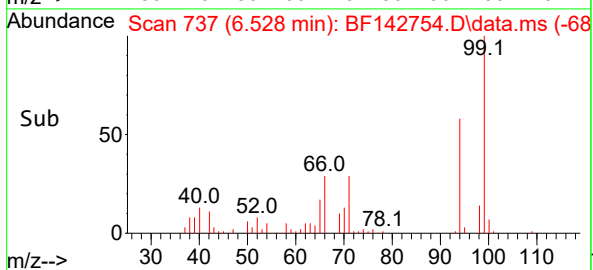
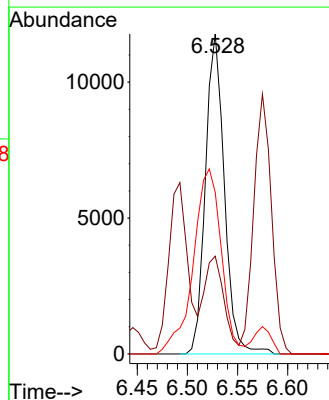
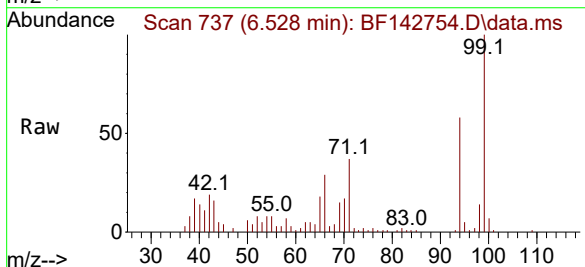
Tgt Ion: 94 Resp: 15461

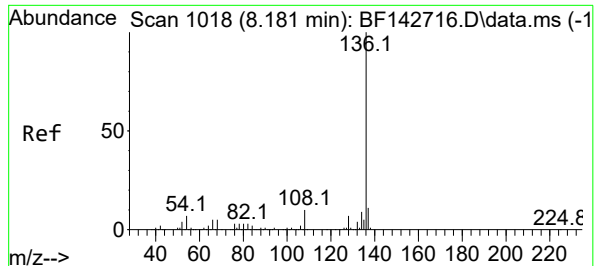
Ion Ratio Lower Upper

94 100

65 30.6 11.4 51.4

66 50.5 26.7 66.7





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.175 min Scan# 1017

Delta R.T. -0.006 min

Lab File: BF142754.D

Acq: 12 Jun 2025 13:29

Instrument :

BNA_F

ClientSampleId :

MW-6-20250605DL

Tgt Ion:136 Resp: 235685

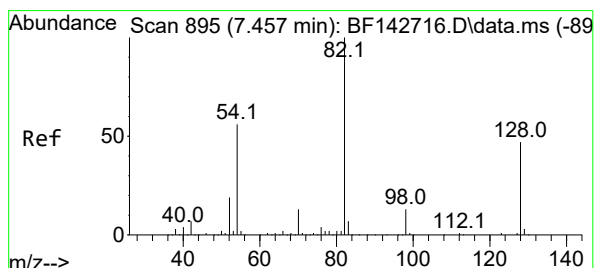
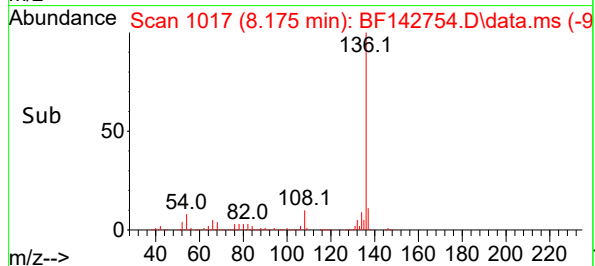
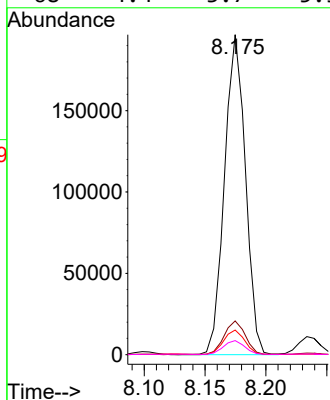
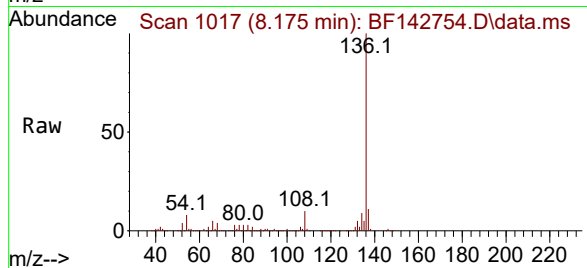
Ion Ratio Lower Upper

136 100

137 10.6 8.7 13.1

54 7.7 5.9 8.9

68 4.4 3.7 5.5



#23

Nitrobenzene-d5

Concen: 45.345 ng

RT: 7.451 min Scan# 894

Delta R.T. -0.006 min

Lab File: BF142754.D

Acq: 12 Jun 2025 13:29

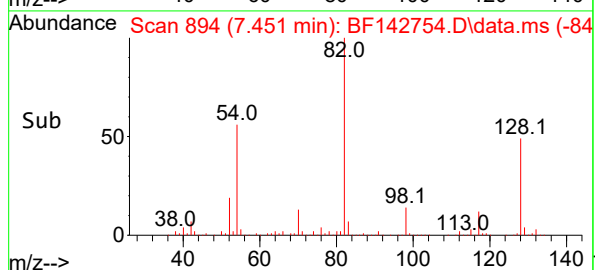
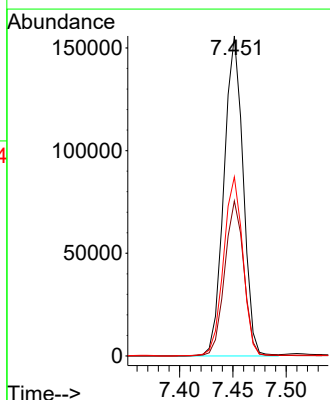
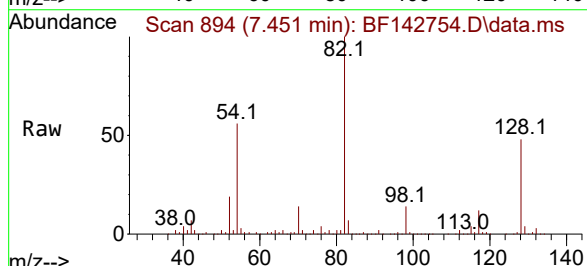
Tgt Ion: 82 Resp: 195279

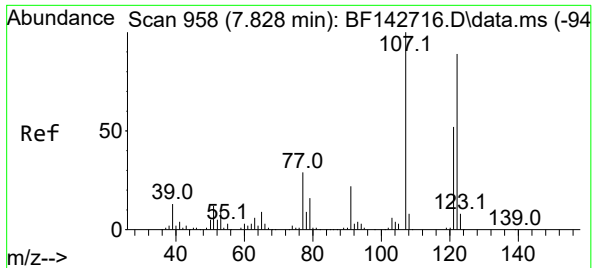
Ion Ratio Lower Upper

82 100

128 48.5 37.8 56.8

54 56.0 44.9 67.3





#27

2,4-Dimethylphenol

Concen: 61.166 ng

RT: 7.839 min Scan# 90

Delta R.T. 0.012 min

Lab File: BF142754.D

Acq: 12 Jun 2025 13:29

Instrument :

BNA_F

ClientSampleId :

MW-6-20250605DL

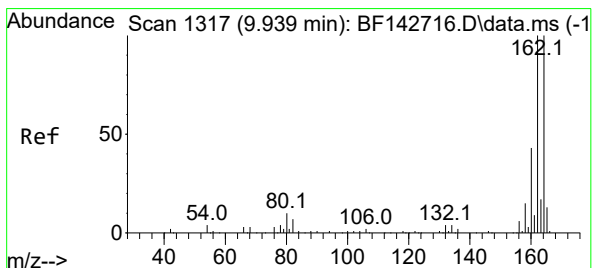
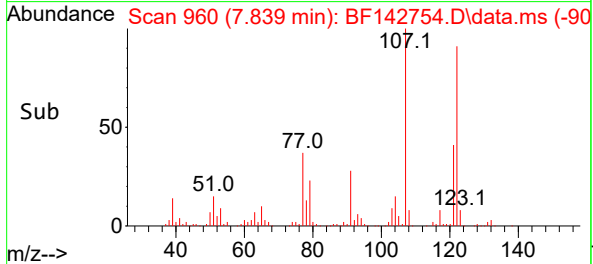
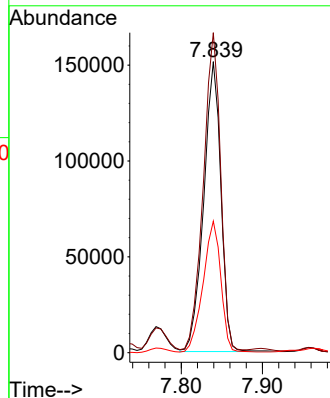
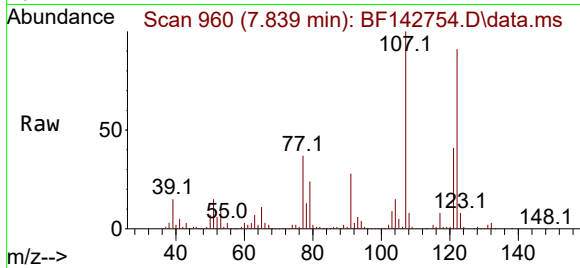
Tgt Ion:122 Resp: 222139

Ion Ratio Lower Upper

122 100

107 109.9 90.4 135.6

121 45.2 46.9 70.3#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.928 min Scan# 1315

Delta R.T. -0.012 min

Lab File: BF142754.D

Acq: 12 Jun 2025 13:29

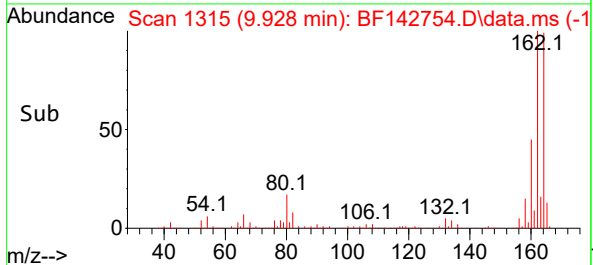
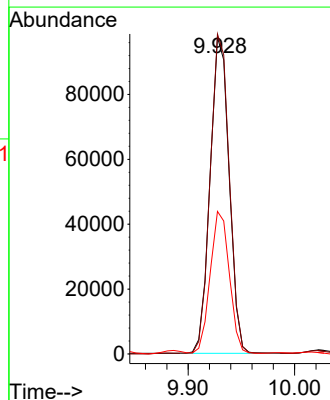
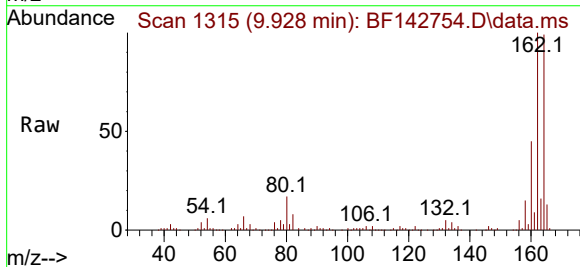
Tgt Ion:164 Resp: 121112

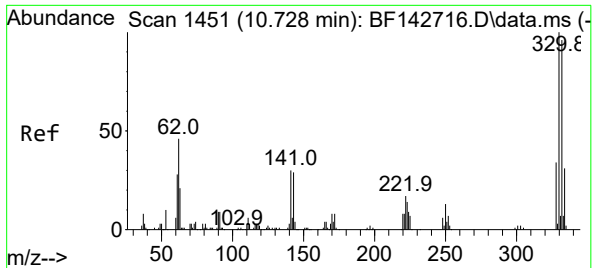
Ion Ratio Lower Upper

164 100

162 101.0 79.9 119.9

160 45.0 34.8 52.2





#42

2,4,6-Tribromophenol

Concen: 63.147 ng

RT: 10.722 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF142754.D

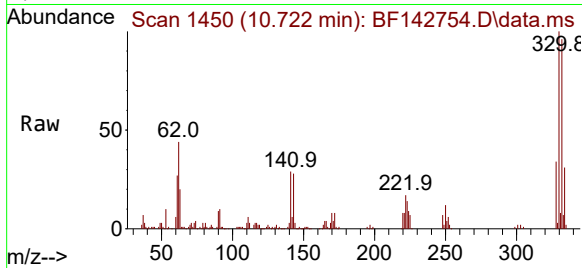
Acq: 12 Jun 2025 13:29

Instrument :

BNA_F

ClientSampleId :

MW-6-20250605DL



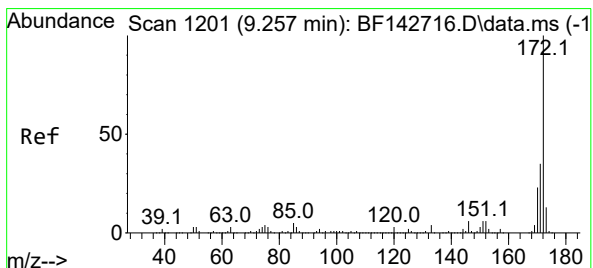
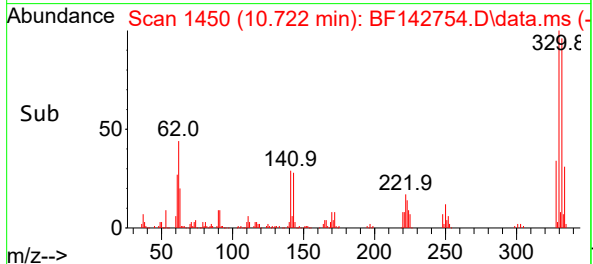
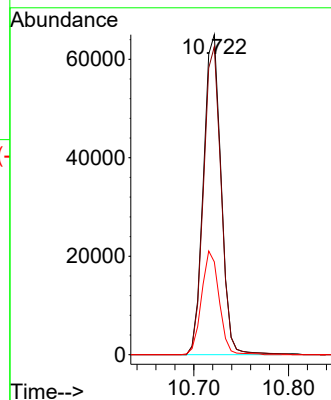
Tgt Ion:330 Resp: 83820

Ion Ratio Lower Upper

330 100

332 96.2 77.0 115.6

141 32.4 25.4 38.0



#45

2-Fluorobiphenyl

Concen: 47.374 ng

RT: 9.251 min Scan# 1200

Delta R.T. -0.006 min

Lab File: BF142754.D

Acq: 12 Jun 2025 13:29

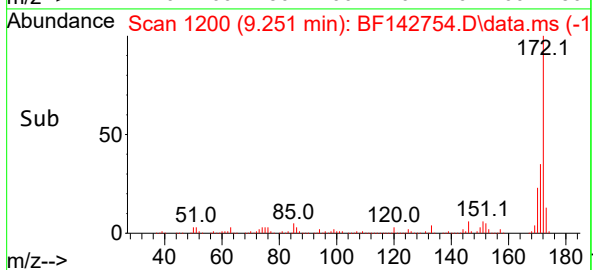
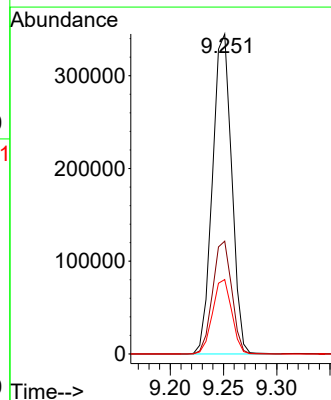
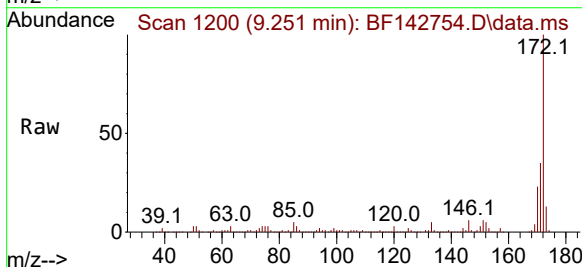
Tgt Ion:172 Resp: 431868

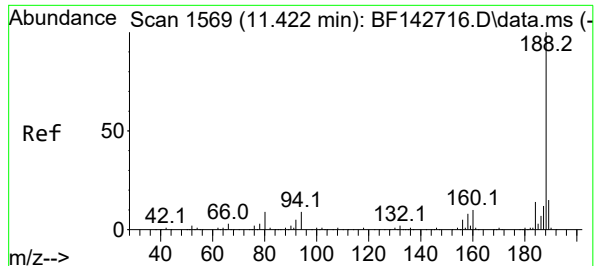
Ion Ratio Lower Upper

172 100

171 35.3 28.1 42.1

170 23.2 18.6 27.8

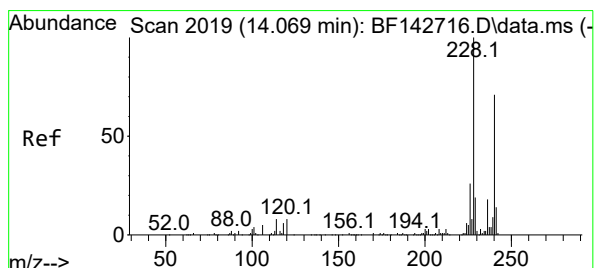
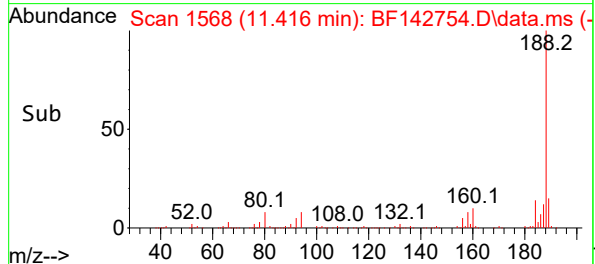
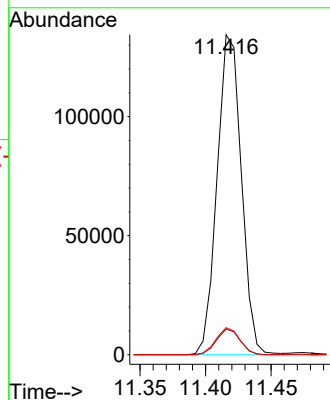
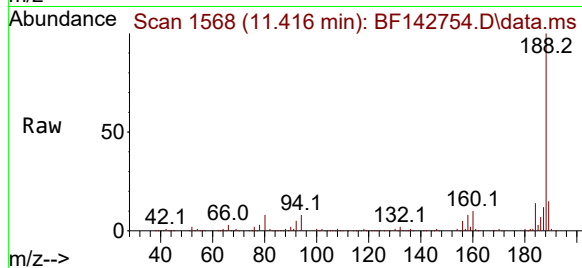




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BF142754.D
Acq: 12 Jun 2025 13:29

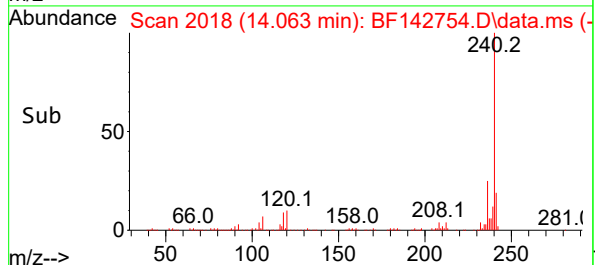
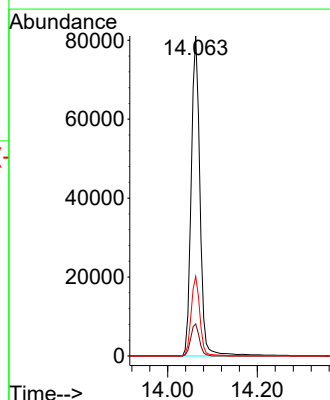
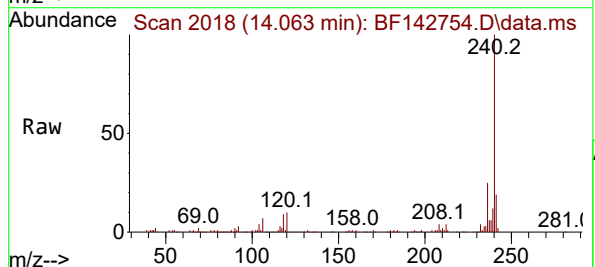
Instrument :
BNA_F
ClientSampleId :
MW-6-20250605DL

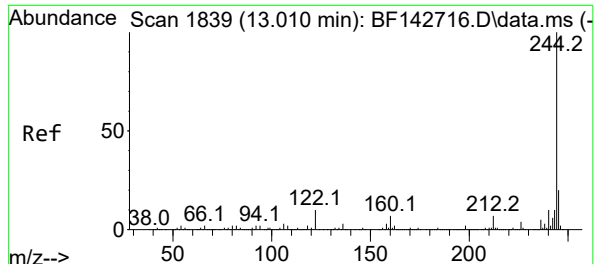
Tgt Ion:188 Resp: 172881
Ion Ratio Lower Upper
188 100
94 8.0 6.8 10.2
80 8.4 7.1 10.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF142754.D
Acq: 12 Jun 2025 13:29

Tgt Ion:240 Resp: 110385
Ion Ratio Lower Upper
240 100
120 10.0 8.5 12.7
236 24.8 20.1 30.1





#79

Terphenyl-d14

Concen: 35.059 ng

RT: 13.004 min Scan# 1838

Delta R.T. -0.006 min

Lab File: BF142754.D

Acq: 12 Jun 2025 13:29

Instrument :

BNA_F

ClientSampleId :

MW-6-20250605DL

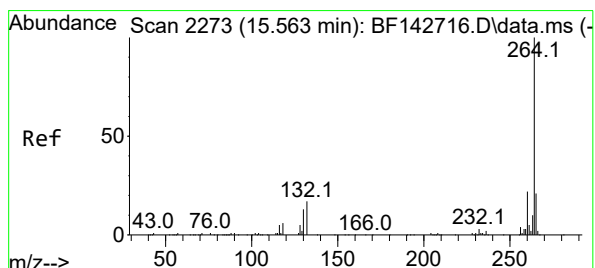
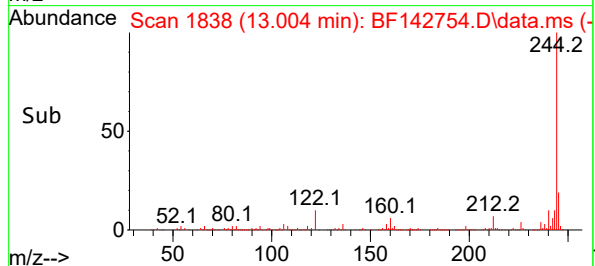
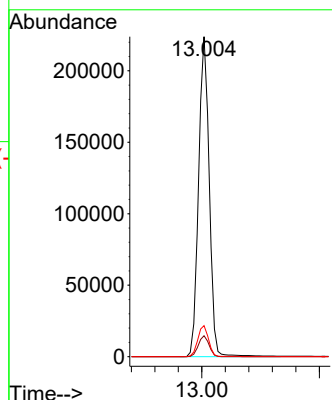
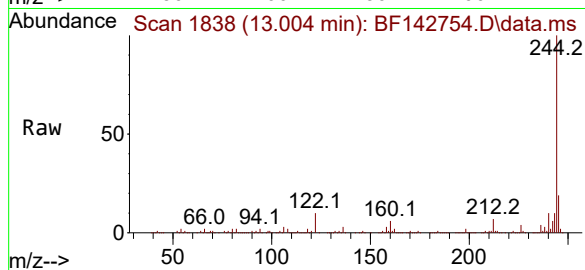
Tgt Ion:244 Resp: 281774

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

122 9.7 8.3 12.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.557 min Scan# 2272

Delta R.T. -0.006 min

Lab File: BF142754.D

Acq: 12 Jun 2025 13:29

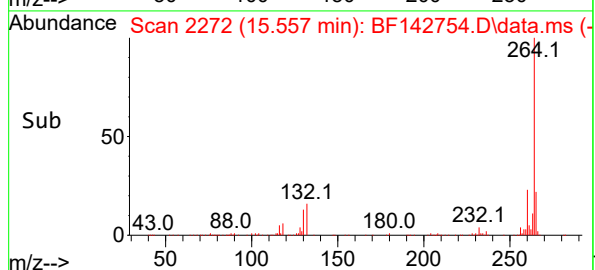
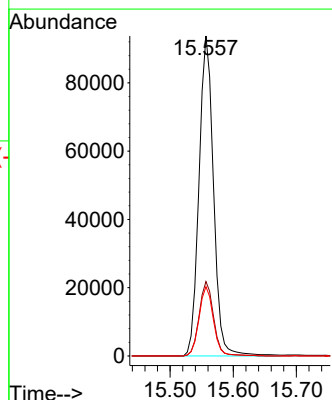
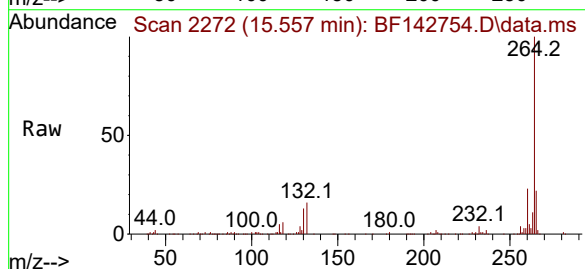
Tgt Ion:264 Resp: 149783

Ion Ratio Lower Upper

264 100

260 23.2 17.8 26.6

265 21.7 16.6 25.0



Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	06/05/25
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	06/06/25
Client Sample ID:	MW-3-20250605	SDG No.:	Q2268
Lab Sample ID:	Q2268-08	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142739.D	1	06/10/25 08:10	06/11/25 17:19	PB168376

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	4.10	U	4.10	10.4	ug/L
108-95-2	Phenol	0.95	U	0.95	5.20	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.84	U	0.84	5.20	ug/L
95-57-8	2-Chlorophenol	0.60	U	0.60	5.20	ug/L
95-48-7	2-Methylphenol	1.20	U	1.20	5.20	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.30	U	1.30	5.20	ug/L
98-86-2	Acetophenone	0.77	U	0.77	5.20	ug/L
65794-96-9	3+4-Methylphenols	1.10	U	1.10	10.4	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.50	U	1.50	2.60	ug/L
67-72-1	Hexachloroethane	0.68	U	0.68	5.20	ug/L
98-95-3	Nitrobenzene	0.79	U	0.79	5.20	ug/L
78-59-1	Isophorone	0.78	U	0.78	5.20	ug/L
88-75-5	2-Nitrophenol	1.80	U	1.80	5.20	ug/L
105-67-9	2,4-Dimethylphenol	140	E	1.90	5.20	ug/L
111-91-1	bis(2-Chloroethoxy)methane	0.71	U	0.71	5.20	ug/L
120-83-2	2,4-Dichlorophenol	0.54	U	0.54	5.20	ug/L
91-20-3	Naphthalene	0.52	U	0.52	5.20	ug/L
106-47-8	4-Chloroaniline	0.88	U	0.88	5.20	ug/L
87-68-3	Hexachlorobutadiene	0.56	U	0.56	5.20	ug/L
105-60-2	Caprolactam	1.20	U	1.20	10.4	ug/L
59-50-7	4-Chloro-3-methylphenol	0.61	U	0.61	5.20	ug/L
91-57-6	2-Methylnaphthalene	0.58	U	0.58	5.20	ug/L
77-47-4	Hexachlorocyclopentadiene	3.80	U	3.80	10.4	ug/L
88-06-2	2,4,6-Trichlorophenol	0.53	U	0.53	5.20	ug/L
95-95-4	2,4,5-Trichlorophenol	0.65	U	0.65	5.20	ug/L
92-52-4	1,1-Biphenyl	0.55	U	0.55	5.20	ug/L
91-58-7	2-Chloronaphthalene	0.64	U	0.64	5.20	ug/L
88-74-4	2-Nitroaniline	1.30	U	1.30	5.20	ug/L
131-11-3	Dimethylphthalate	0.64	U	0.64	5.20	ug/L

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.		Date Collected:	06/05/25	
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05		Date Received:	06/06/25	
Client Sample ID:	MW-3-20250605		SDG No.:	Q2268	
Lab Sample ID:	Q2268-08		Matrix:	Water	
Analytical Method:	8270E		% Solid:	0	
Sample Wt/Vol:	960	Units: mL	Final Vol:	1000	uL
Soil Aliquot Vol:		uL	Test:	SVOCMS Group1	
Extraction Type :		Decanted : N	Level :	LOW	
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N	PH :
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142739.D	1	06/10/25 08:10	06/11/25 17:19	PB168376

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	0.78	U	0.78	5.20	ug/L
606-20-2	2,6-Dinitrotoluene	0.96	U	0.96	5.20	ug/L
99-09-2	3-Nitroaniline	1.10	U	1.10	5.20	ug/L
83-32-9	Acenaphthene	0.57	U	0.57	5.20	ug/L
51-28-5	2,4-Dinitrophenol	6.20	U	6.20	10.4	ug/L
100-02-7	4-Nitrophenol	2.50	U	2.50	10.4	ug/L
132-64-9	Dibenzofuran	0.64	U	0.64	5.20	ug/L
121-14-2	2,4-Dinitrotoluene	1.30	U	1.30	5.20	ug/L
84-66-2	Diethylphthalate	0.72	U	0.72	5.20	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.71	U	0.71	5.20	ug/L
86-73-7	Fluorene	0.66	U	0.66	5.20	ug/L
100-01-6	4-Nitroaniline	1.60	U	1.60	5.20	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.00	U	3.00	10.4	ug/L
86-30-6	n-Nitrosodiphenylamine	0.60	U	0.60	5.20	ug/L
101-55-3	4-Bromophenyl-phenylether	0.42	U	0.42	5.20	ug/L
118-74-1	Hexachlorobenzene	0.54	U	0.54	5.20	ug/L
1912-24-9	Atrazine	1.10	U	1.10	5.20	ug/L
87-86-5	Pentachlorophenol	1.60	U	1.60	10.4	ug/L
85-01-8	Phenanthrene	0.52	U	0.52	5.20	ug/L
120-12-7	Anthracene	0.64	U	0.64	5.20	ug/L
86-74-8	Carbazole	0.75	U	0.75	5.20	ug/L
84-74-2	Di-n-butylphthalate	1.30	U	1.30	5.20	ug/L
206-44-0	Fluoranthene	0.85	U	0.85	5.20	ug/L
129-00-0	Pyrene	0.52	U	0.52	5.20	ug/L
85-68-7	Butylbenzylphthalate	2.00	U	2.00	5.20	ug/L
91-94-1	3,3-Dichlorobenzidine	0.97	U	0.97	10.4	ug/L
56-55-3	Benzo(a)anthracene	0.47	U	0.47	5.20	ug/L
218-01-9	Chrysene	0.46	U	0.46	5.20	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.70	U	1.70	5.20	ug/L
117-84-0	Di-n-octyl phthalate	2.40	U	2.40	10.4	ug/L
205-99-2	Benzo(b)fluoranthene	0.51	U	0.51	5.20	ug/L

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	06/05/25
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	06/06/25
Client Sample ID:	MW-3-20250605	SDG No.:	Q2268
Lab Sample ID:	Q2268-08	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142739.D	1	06/10/25 08:10	06/11/25 17:19	PB168376

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	0.50	U	0.50	5.20	ug/L
50-32-8	Benzo(a)pyrene	0.57	U	0.57	5.20	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.61	U	0.61	5.20	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.70	U	0.70	5.20	ug/L
191-24-2	Benzo(g,h,i)perylene	0.72	U	0.72	5.20	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	0.54	U	0.54	5.20	ug/L
123-91-1	1,4-Dioxane	1.00	U	1.00	5.20	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.75	U	0.75	5.20	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	47.4		23 - 138	32%	SPK: 150
13127-88-3	Phenol-d6	35.0		10 - 134	23%	SPK: 150
4165-60-0	Nitrobenzene-d5	79.4		67 - 132	79%	SPK: 100
321-60-8	2-Fluorobiphenyl	82.2		52 - 132	82%	SPK: 100
118-79-6	2,4,6-Tribromophenol	118		44 - 137	79%	SPK: 150
1718-51-0	Terphenyl-d14	53.2		42 - 152	53%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	52800	6.892			
1146-65-2	Naphthalene-d8	188000	8.175			
15067-26-2	Acenaphthene-d10	93300	9.933			
1517-22-2	Phenanthrene-d10	143000	11.421			
1719-03-5	Chrysene-d12	135000	14.062			
1520-96-3	Perylene-d12	164000	15.556			
TENTATIVE IDENTIFIED COMPOUNDS						
000108-38-3	Benzene, 1,3-dimethyl-	260	J		5.75	ug/L
000622-96-8	Benzene, 1-ethyl-4-methyl-	130	J		6.58	ug/L
000526-73-8	Benzene, 1,2,3-trimethyl-	100	J		6.72	ug/L
1000191-13-7	Tetracyclo[3.3.1.0(2,8).0(4,6)]-no	68.3	J		7.08	ug/L
000141-93-5	Benzene, 1,3-diethyl-	22.2	J		7.14	ug/L
001758-88-9	Benzene, 2-ethyl-1,4-dimethyl-	39.0	J		7.21	ug/L
000527-84-4	o-Cymene	17.1	J		7.38	ug/L

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.		Date Collected:	06/05/25
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05		Date Received:	06/06/25
Client Sample ID:	MW-3-20250605		SDG No.:	Q2268
Lab Sample ID:	Q2268-08		Matrix:	Water
Analytical Method:	8270E		% Solid:	0
Sample Wt/Vol:	960	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOCMS Group1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142739.D	1	06/10/25 08:10	06/11/25 17:19	PB168376

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
000095-93-2	Benzene, 1,2,4,5-tetramethyl-	16.0	J		7.69	ug/L
003454-07-7	Benzene, 1-ethenyl-4-ethyl-	30.2	J		7.91	ug/L
000576-26-1	Phenol, 2,6-dimethyl-	23.4	J		8.02	ug/L
001687-64-5	Phenol, 2-ethyl-6-methyl-	23.3	J		8.37	ug/L
	unknown8.439	100	J		8.44	ug/L
	unknown8.698	16.3	J		8.70	ug/L
000083-33-0	1H-Inden-1-one, 2,3-dihydro-	49.6	J		8.78	ug/L
000603-79-2	Benzoic acid, 2,3-dimethyl-	27.4	J		9.03	ug/L
000937-30-4	Ethanone, 1-(4-ethylphenyl)-	22.6	J		9.06	ug/L
000300-57-2	Benzene, 2-propenyl-	43.7	J		9.52	ug/L

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\BF061125\
Data File : BF142739.D
Acq On : 11 Jun 2025 17:19
Operator : RC/JU
Sample : Q2268-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-3-20250605

Quant Time: Jun 11 18:56:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 11 05:56:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

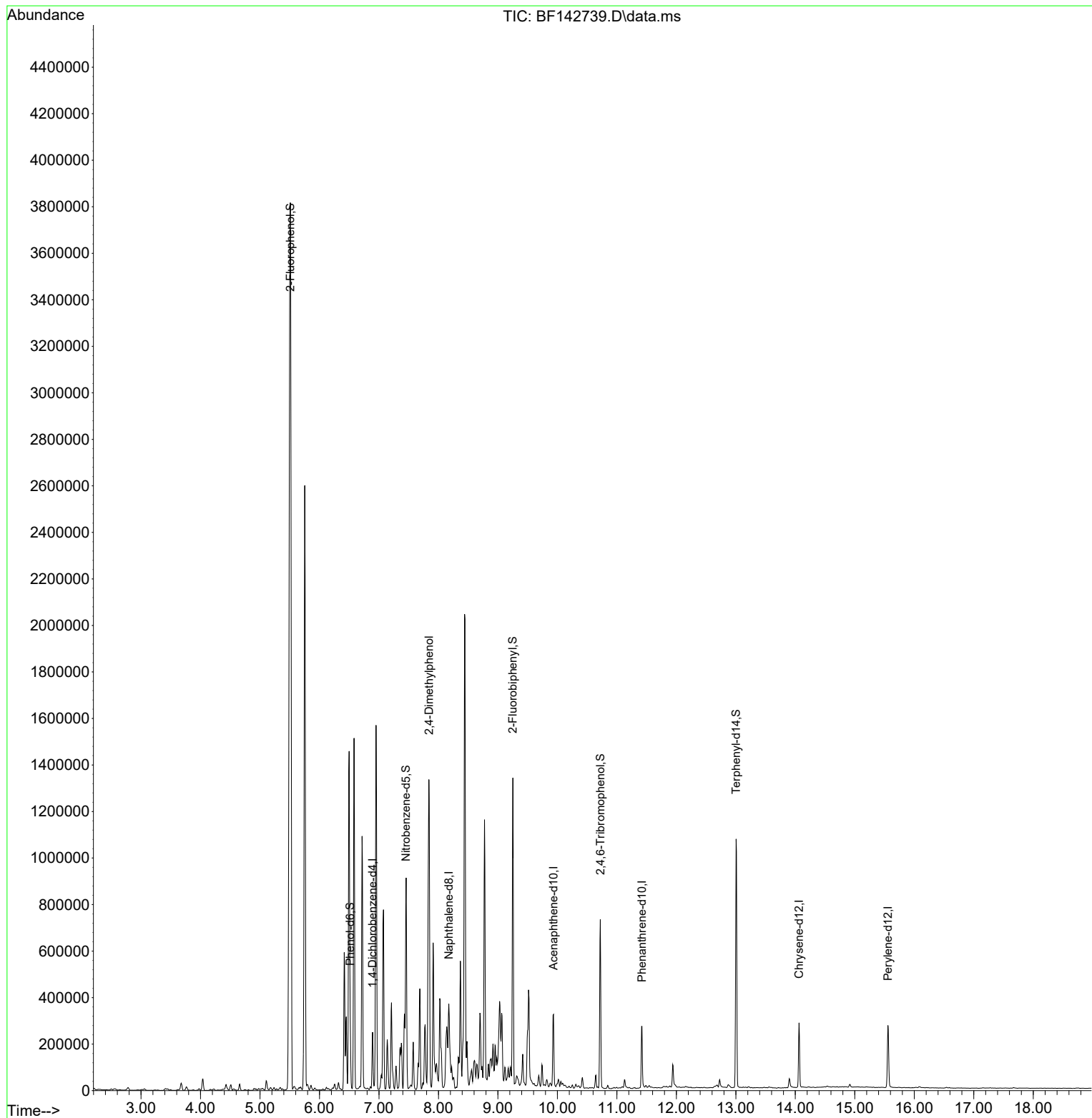
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	52802	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	187845	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	93296	20.000	ng	0.00
64) Phenanthrene-d10	11.421	188	142687	20.000	ng	0.00
76) Chrysene-d12	14.062	240	135490	20.000	ng	0.00
86) Perylene-d12	15.556	264	164328	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	147075	47.439	ng	0.00
7) Phenol-d6	6.516	99	127735	35.010	ng	0.00
23) Nitrobenzene-d5	7.451	82	272685	79.445	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	120919	118.257	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	577124	82.184	ng	0.00
79) Terphenyl-d14	13.004	244	524435	53.161	ng	0.00
Target Compounds						Qvalue
27) 2,4-Dimethylphenol	7.839	122	385304	133.113	ng	# 92

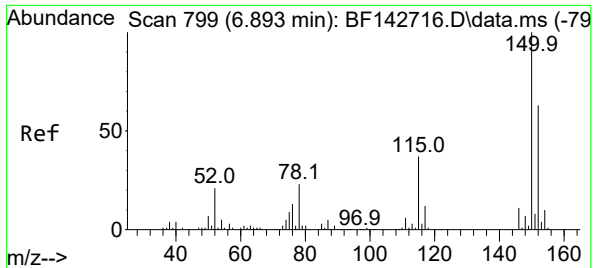
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142739.D
Acq On : 11 Jun 2025 17:19
Operator : RC/JU
Sample : Q2268-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-3-20250605

Quant Time: Jun 11 18:56:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 11 05:56:09 2025
Response via : Initial Calibration

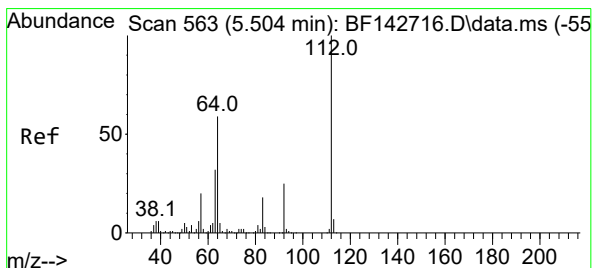
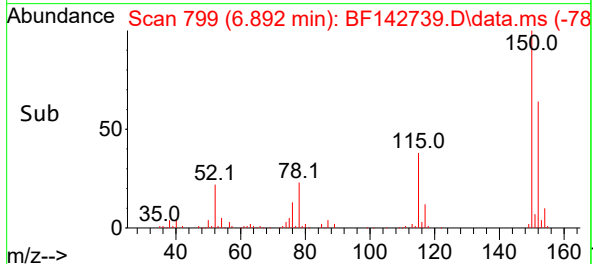
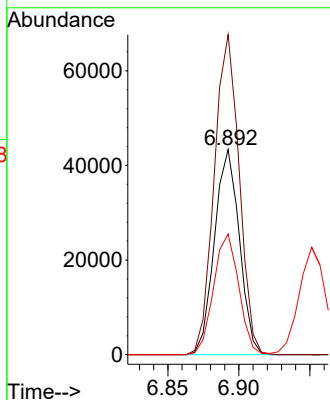
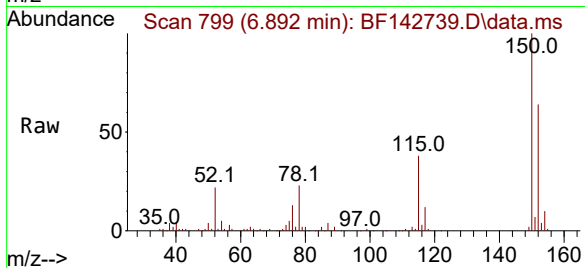




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 799
Delta R.T. -0.001 min
Lab File: BF142739.D
Acq: 11 Jun 2025 17:19

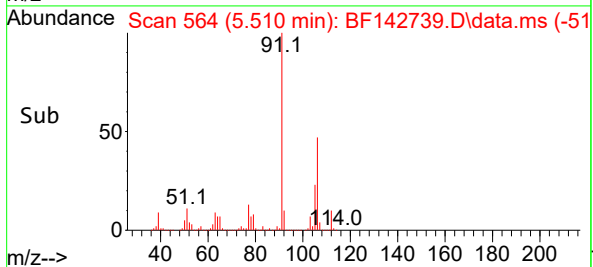
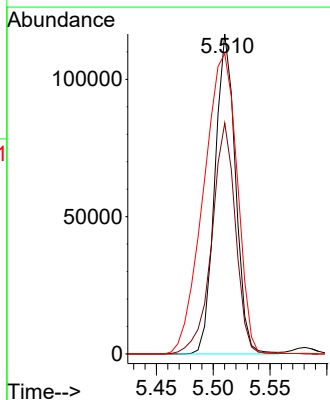
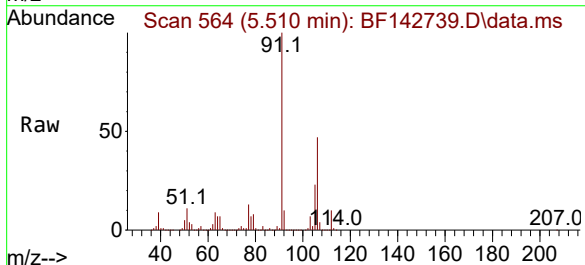
Instrument :
BNA_F
ClientSampleId :
MW-3-20250605

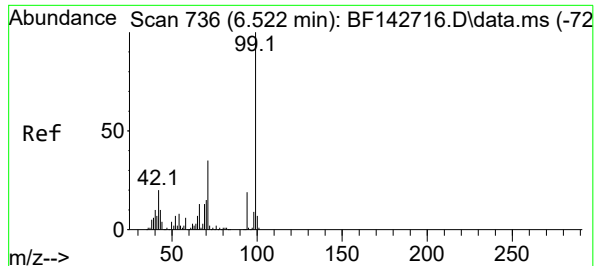
Tgt Ion:152 Resp: 52802
Ion Ratio Lower Upper
152 100
150 156.0 126.9 190.3
115 58.8 47.0 70.6



#5
2-Fluorophenol
Concen: 47.439 ng
RT: 5.510 min Scan# 564
Delta R.T. 0.006 min
Lab File: BF142739.D
Acq: 11 Jun 2025 17:19

Tgt Ion:112 Resp: 147075
Ion Ratio Lower Upper
112 100
64 72.2 47.4 71.2#
63 93.8 25.4 38.0#

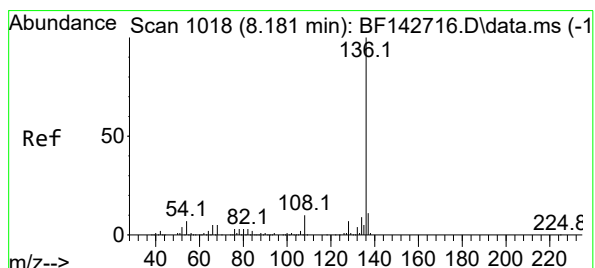
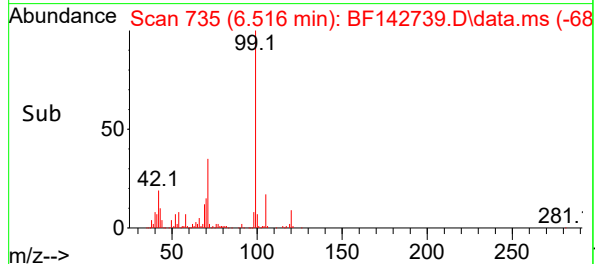
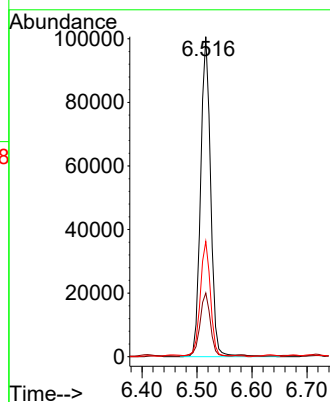
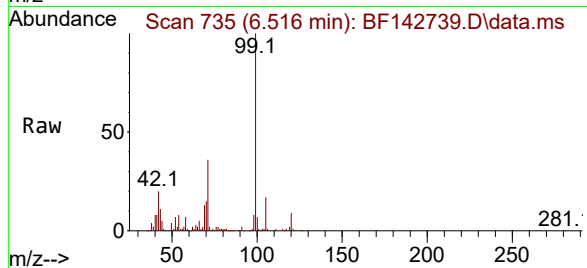




#7
Phenol-d6
Concen: 35.010 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142739.D
Acq: 11 Jun 2025 17:19

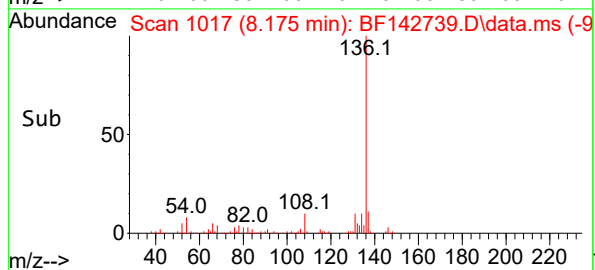
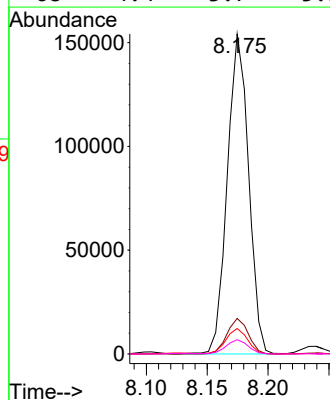
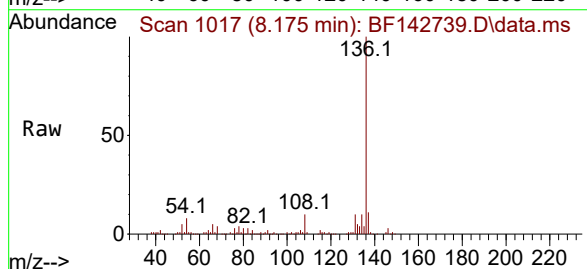
Instrument :
BNA_F
ClientSampleId :
MW-3-20250605

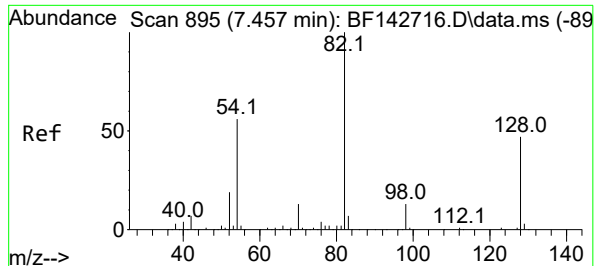
Tgt Ion: 99 Resp: 127735
Ion Ratio Lower Upper
99 100
42 19.9 15.9 23.9
71 36.0 28.0 42.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF142739.D
Acq: 11 Jun 2025 17:19

Tgt Ion: 136 Resp: 187845
Ion Ratio Lower Upper
136 100
137 11.1 8.7 13.1
54 8.0 5.9 8.9
68 4.4 3.7 5.5





#23

Nitrobenzene-d5

Concen: 79.445 ng

RT: 7.451 min Scan# 89

Delta R.T. -0.006 min

Lab File: BF142739.D

Acq: 11 Jun 2025 17:19

Instrument :

BNA_F

ClientSampleId :

MW-3-20250605

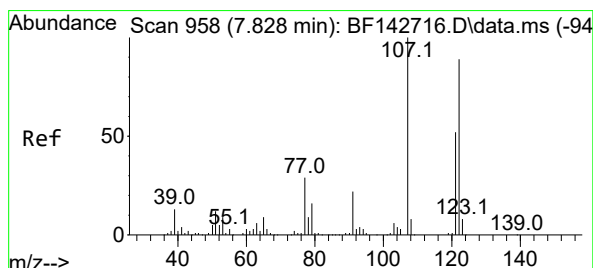
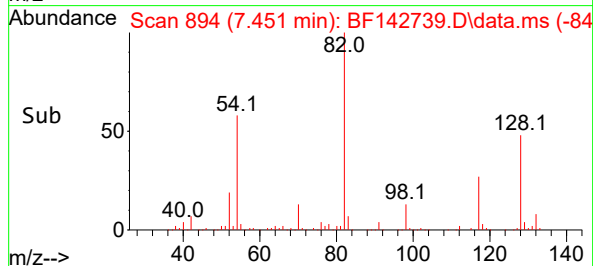
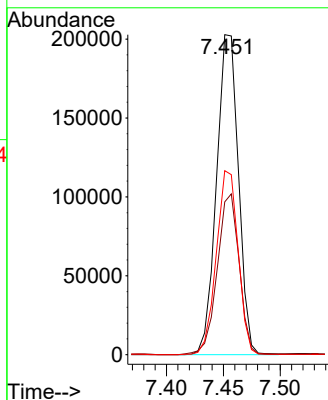
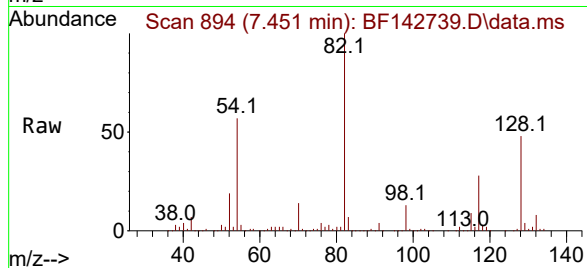
Tgt Ion: 82 Resp: 272685

Ion Ratio Lower Upper

82 100

128 47.8 37.8 56.8

54 57.5 44.9 67.3



#27

2,4-Dimethylphenol

Concen: 133.113 ng

RT: 7.839 min Scan# 960

Delta R.T. 0.012 min

Lab File: BF142739.D

Acq: 11 Jun 2025 17:19

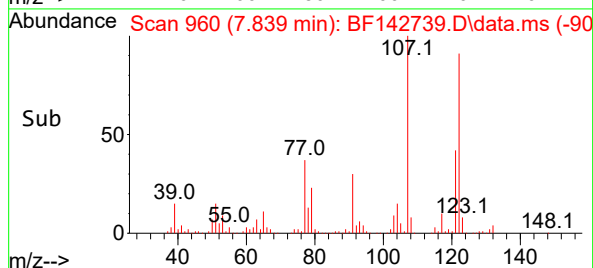
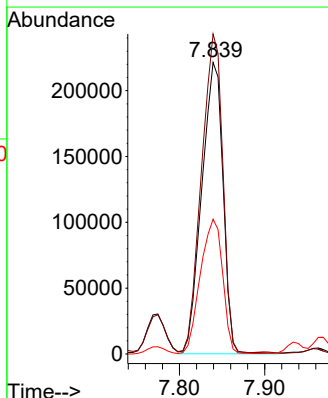
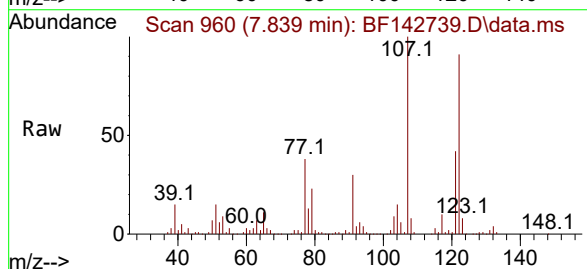
Tgt Ion:122 Resp: 385304

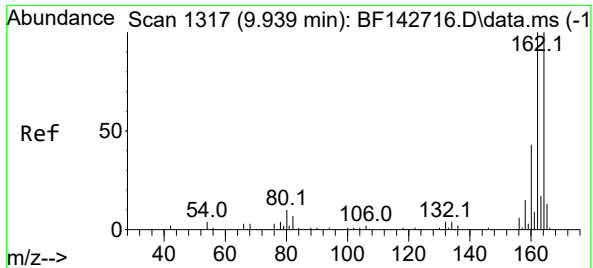
Ion Ratio Lower Upper

122 100

107 109.8 90.4 135.6

121 46.2 46.9 70.3#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.933 min Scan# 1317

Delta R.T. -0.006 min

Lab File: BF142739.D

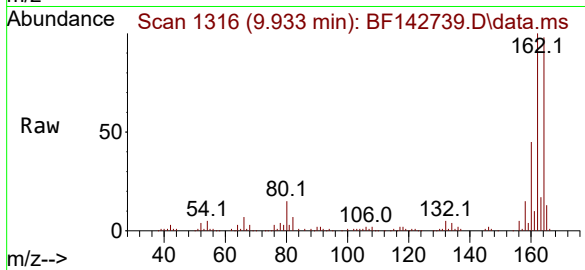
Acq: 11 Jun 2025 17:19

Instrument :

BNA_F

ClientSampleId :

MW-3-20250605



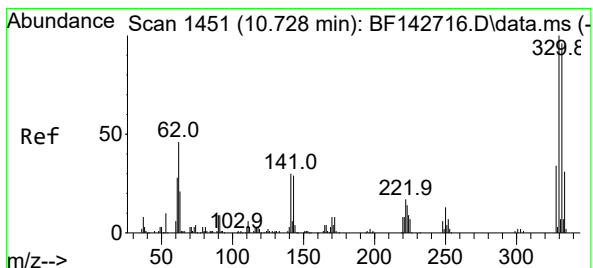
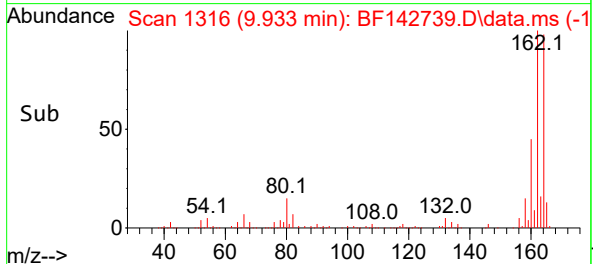
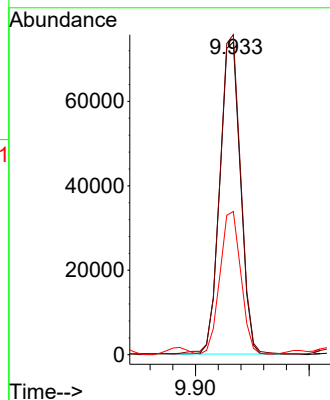
Tgt Ion:164 Resp: 93296

Ion Ratio Lower Upper

164 100

162 102.3 79.9 119.9

160 45.8 34.8 52.2



#42

2,4,6-Tribromophenol

Concen: 118.257 ng

RT: 10.722 min Scan# 1450

Delta R.T. -0.006 min

Lab File: BF142739.D

Acq: 11 Jun 2025 17:19

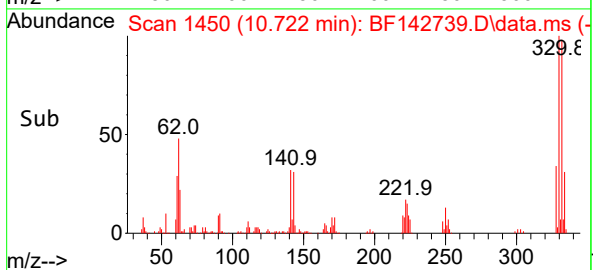
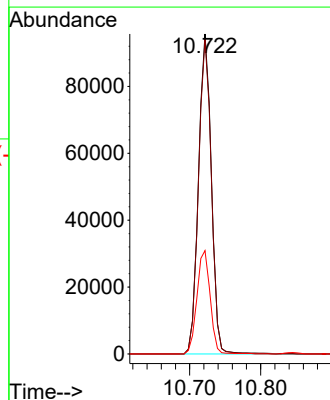
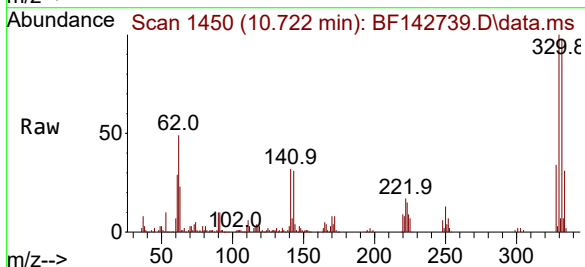
Tgt Ion:330 Resp: 120919

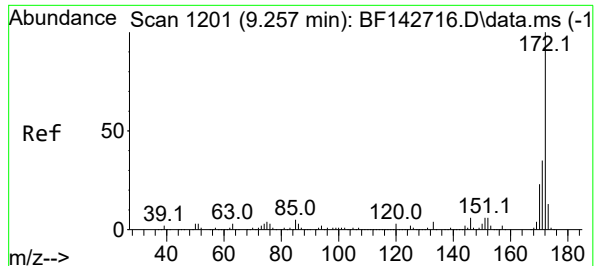
Ion Ratio Lower Upper

330 100

332 98.1 77.0 115.6

141 33.2 25.4 38.0





#45

2-Fluorobiphenyl

Concen: 82.184 ng

RT: 9.251 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142739.D

Acq: 11 Jun 2025 17:19

Instrument :

BNA_F

ClientSampleId :

MW-3-20250605

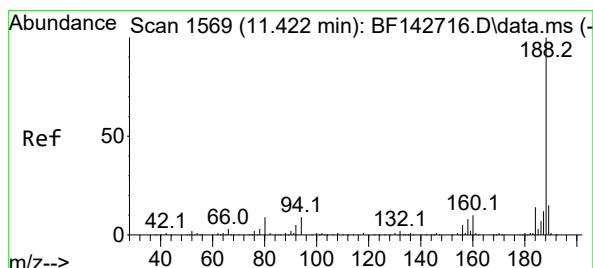
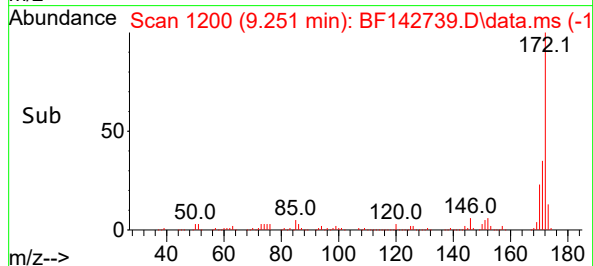
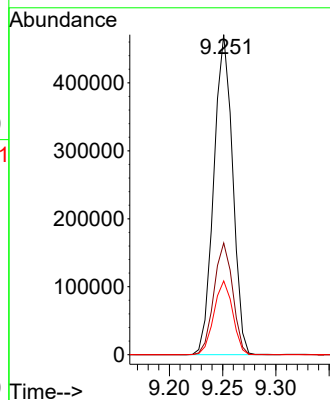
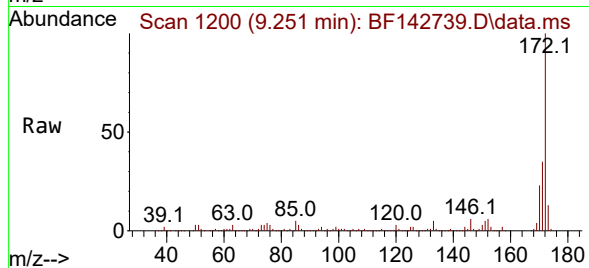
Tgt Ion:172 Resp: 577124

Ion Ratio Lower Upper

172 100

171 34.9 28.1 42.1

170 23.1 18.6 27.8



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.421 min Scan# 1569

Delta R.T. -0.000 min

Lab File: BF142739.D

Acq: 11 Jun 2025 17:19

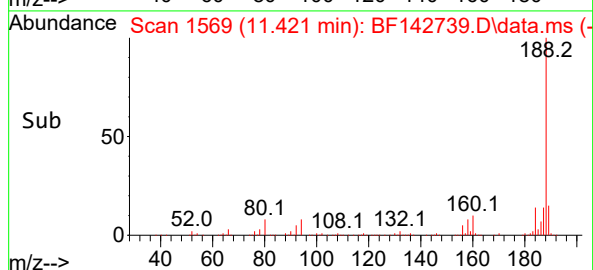
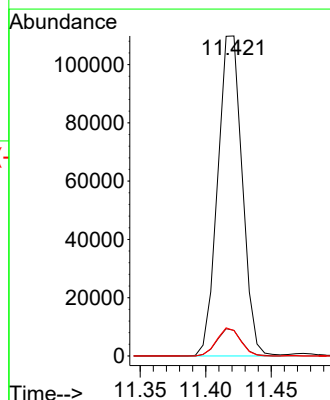
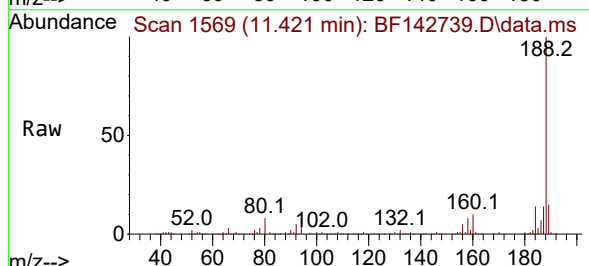
Tgt Ion:188 Resp: 142687

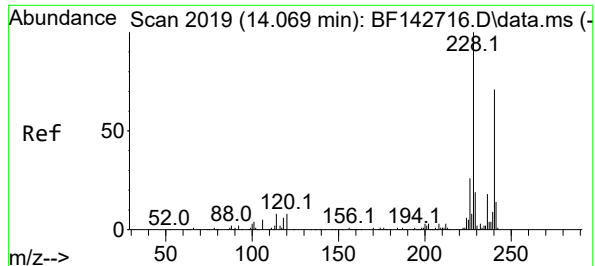
Ion Ratio Lower Upper

188 100

94 8.0 6.8 10.2

80 8.0 7.1 10.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.062 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF142739.D

Acq: 11 Jun 2025 17:19

Instrument :

BNA_F

ClientSampleId :

MW-3-20250605

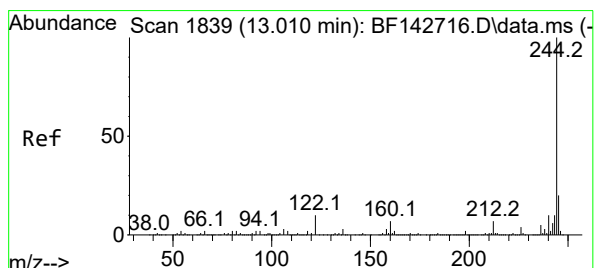
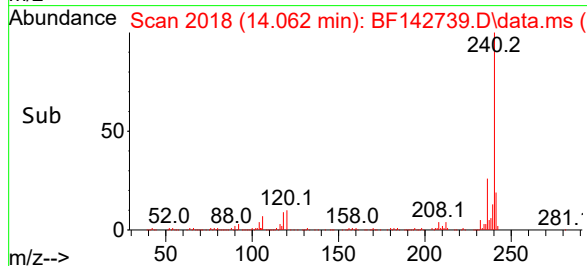
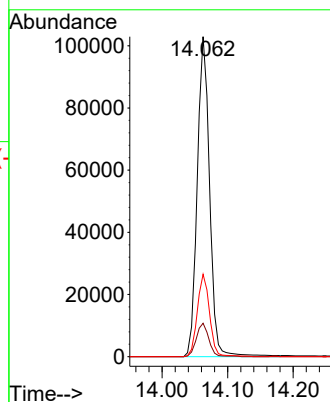
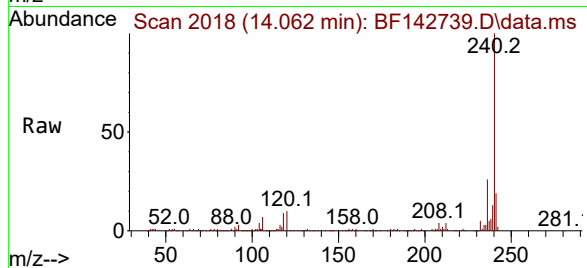
Tgt Ion:240 Resp: 135490

Ion Ratio Lower Upper

240 100

120 10.4 8.5 12.7

236 25.7 20.1 30.1



#79

Terphenyl-d14

Concen: 53.161 ng

RT: 13.004 min Scan# 1838

Delta R.T. -0.006 min

Lab File: BF142739.D

Acq: 11 Jun 2025 17:19

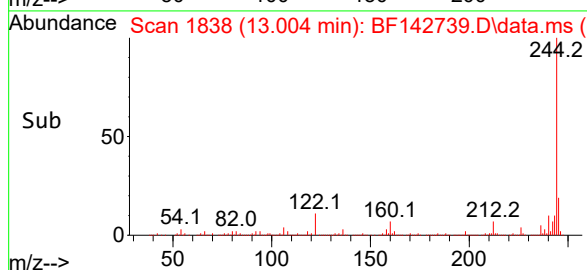
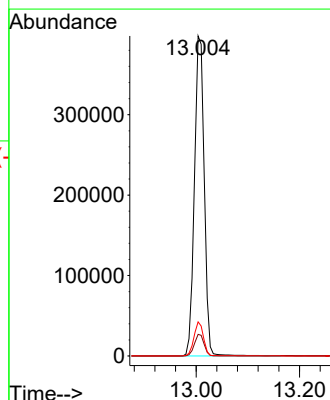
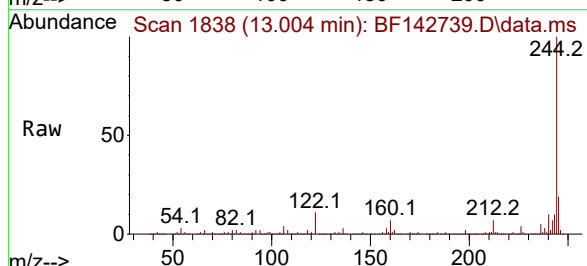
Tgt Ion:244 Resp: 524435

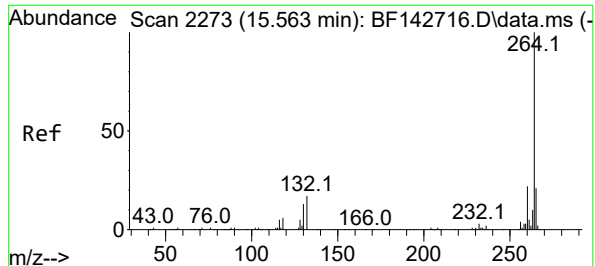
Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

122 10.7 8.3 12.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.556 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF142739.D

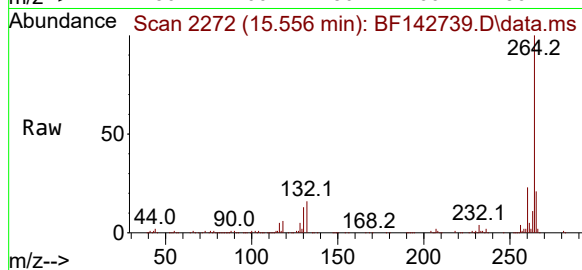
Acq: 11 Jun 2025 17:19

Instrument :

BNA_F

ClientSampleId :

MW-3-20250605



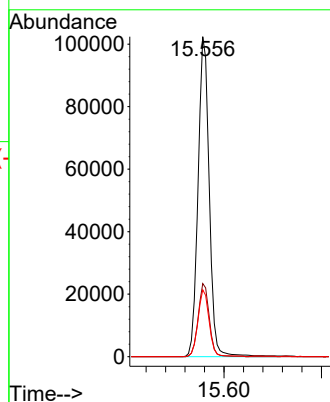
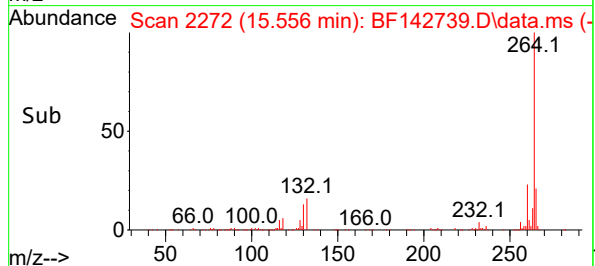
Tgt Ion:264 Resp: 164328

Ion Ratio Lower Upper

264 100

260 22.8 17.8 26.6

265 20.9 16.6 25.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
 Data File : BF142739.D
 Acq On : 11 Jun 2025 17:19
 Operator : RC/JU
 Sample : Q2268-08
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-3-20250605

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-BF061125.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142739.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.510	549	564	570	rBV	3814908	8744596	100.00%	17.813%
2	5.751	598	605	610	rBV	2596964	3635809	41.58%	7.406%
3	6.416	711	718	721	rBV	590276	770005	8.81%	1.569%
4	6.451	721	724	727	rVV	308787	375121	4.29%	0.764%
5	6.498	727	732	741	rVB2	1450383	2193747	25.09%	4.469%
6	6.581	741	746	751	rBV	1506730	1872020	21.41%	3.813%
7	6.716	764	769	776	rVB	1081791	1424118	16.29%	2.901%
8	6.892	795	799	803	rBV	239612	292127	3.34%	0.595%
9	6.951	803	809	814	rVB	1563352	1987898	22.73%	4.049%
10	7.039	817	824	826	rBV2	61668	97513	1.12%	0.199%
11	7.075	826	830	835	rVB	770863	957208	10.95%	1.950%
12	7.139	836	841	848	rBV2	213275	310675	3.55%	0.633%
13	7.210	848	853	862	rVB	370981	547502	6.26%	1.115%
14	7.286	862	866	871	rBV2	98438	136998	1.57%	0.279%
15	7.357	871	878	879	rBV	177245	223872	2.56%	0.456%
16	7.375	879	881	886	rVV	195226	240117	2.75%	0.489%
17	7.428	886	890	892	rVV	321198	454442	5.20%	0.926%
18	7.457	892	895	901	rVB2	906525	1158506	13.25%	2.360%
19	7.575	911	915	923	rVB	204355	260768	2.98%	0.531%
20	7.657	923	929	931	rBV	111412	152414	1.74%	0.310%
21	7.686	931	934	939	rVB	431175	500958	5.73%	1.020%
22	7.775	944	949	954	rVV2	277187	449836	5.14%	0.916%
23	7.839	954	960	967	rVV2	1329756	2387998	27.31%	4.864%
24	7.910	967	972	979	rVV	627337	944969	10.81%	1.925%
25	7.969	979	982	987	rVV5	106597	196266	2.24%	0.400%
26	8.022	987	991	1001	rVV3	386488	733589	8.39%	1.494%
27	8.139	1001	1011	1014	rVV3	263741	595378	6.81%	1.213%
28	8.175	1014	1017	1023	rVV2	360759	652077	7.46%	1.328%
29	8.222	1023	1025	1028	rVV	90096	112747	1.29%	0.230%
30	8.333	1039	1044	1046	rBV	130299	187038	2.14%	0.381%
31	8.369	1046	1050	1054	rVV	543117	729661	8.34%	1.486%
32	8.439	1054	1062	1067	rVV	2033031	3275920	37.46%	6.673%
33	8.480	1067	1069	1074	rVV	196630	234009	2.68%	0.477%
34	8.557	1074	1082	1085	rVV4	74301	163823	1.87%	0.334%
35	8.604	1085	1090	1094	rVV3	113499	256047	2.93%	0.522%
36	8.645	1094	1097	1101	rVV2	96352	174862	2.00%	0.356%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
 Data File : BF142739.D
 Acq On : 11 Jun 2025 17:19
 Operator : RC/JU
 Sample : Q2268-08
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-3-20250605

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-BF061125.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	8.698	1101	1106	1110	rVV	315792	508793	5.82%	1.036%
38	8.733	1110	1112	1114	rVV2	85963	94705	1.08%	0.193%
39	8.775	1114	1119	1124	rVV	1146605	1553638	17.77%	3.165%
40	8.839	1126	1130	1133	rVV2	95284	148685	1.70%	0.303%
41	8.886	1133	1138	1140	rVV4	117264	255293	2.92%	0.520%
42	8.916	1140	1143	1146	rVV	180382	260656	2.98%	0.531%
43	8.951	1146	1149	1152	rVV	175088	258822	2.96%	0.527%
44	9.027	1156	1162	1166	rVV	362656	857941	9.81%	1.748%
45	9.063	1166	1168	1174	rVV	311484	439607	5.03%	0.896%
46	9.116	1174	1177	1181	rVV2	77632	116505	1.33%	0.237%
47	9.175	1181	1187	1190	rVV4	75145	145860	1.67%	0.297%
48	9.210	1190	1193	1196	rVV2	77608	121701	1.39%	0.248%
49	9.251	1196	1200	1204	rVV	1320712	1609963	18.41%	3.280%
50	9.316	1204	1211	1219	rVB6	40698	104143	1.19%	0.212%
51	9.416	1220	1228	1236	rBV2	133641	198834	2.27%	0.405%
52	9.516	1236	1245	1258	rBV	410131	850827	9.73%	1.733%
53	9.739	1279	1283	1288	rBV	92281	123487	1.41%	0.252%
54	9.933	1311	1316	1323	rVB	310292	405227	4.63%	0.825%
55	10.722	1445	1450	1455	rBV	723539	923948	10.57%	1.882%
56	11.421	1564	1569	1577	rBV	263306	358256	4.10%	0.730%
57	11.939	1652	1657	1672	rVB2	97194	157880	1.81%	0.322%
58	13.004	1833	1838	1844	rBV	1067234	1384367	15.83%	2.820%
59	14.062	2013	2018	2025	rVB	276258	353233	4.04%	0.720%
60	15.556	2266	2272	2288	rVB	266731	427403	4.89%	0.871%

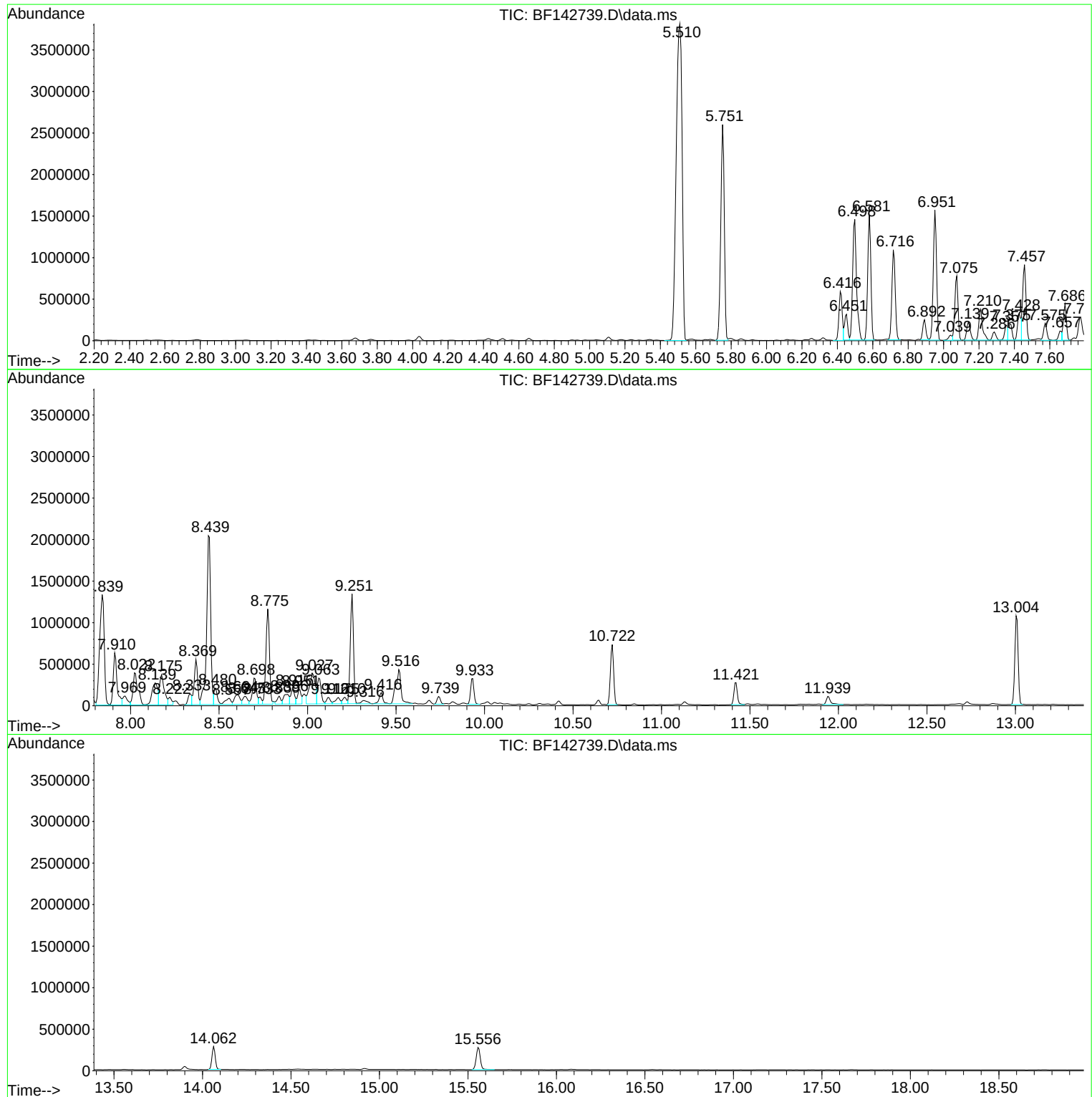
Sum of corrected areas: 49090408

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142739.D
Acq On : 11 Jun 2025 17:19
Operator : RC/JU
Sample : Q2268-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-3-20250605

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.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\BF061125\
Data File : BF142739.D
Acq On : 11 Jun 2025 17:19
Operator : RC/JU
Sample : Q2268-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-3-20250605

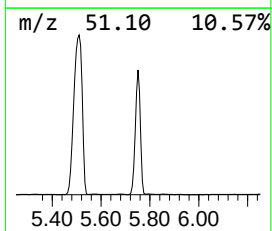
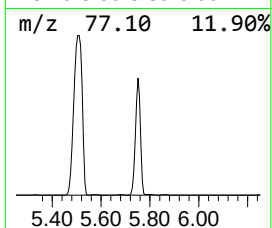
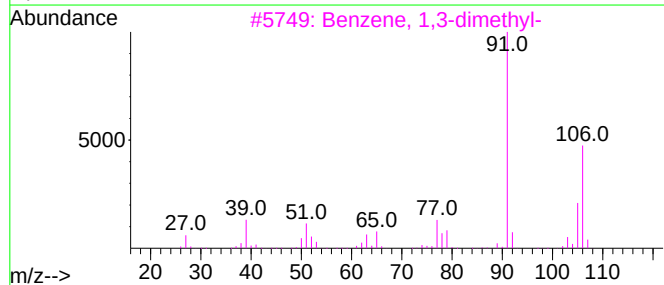
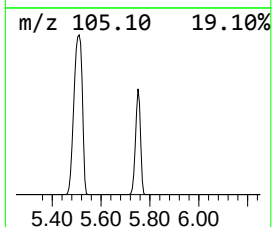
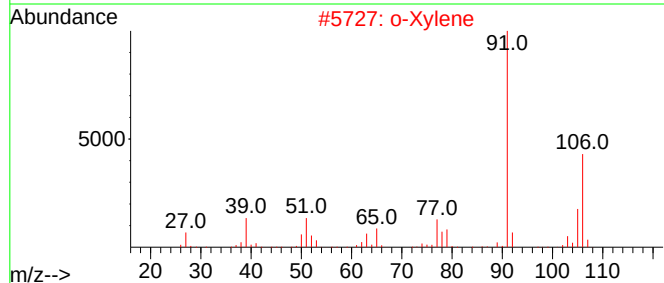
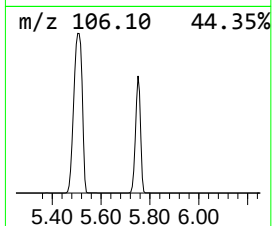
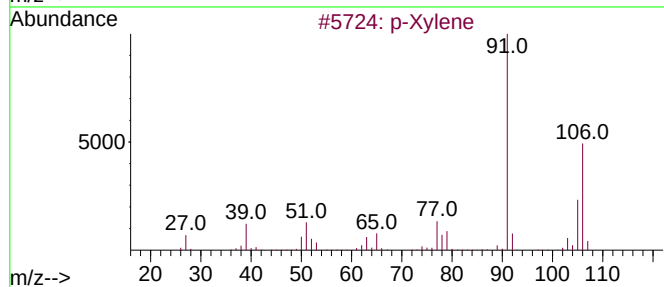
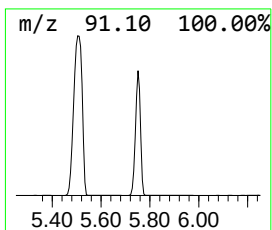
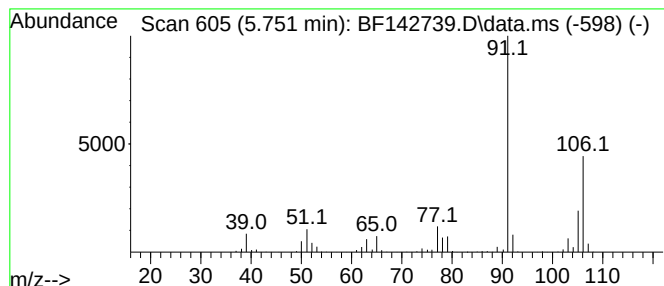
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Benzene, 1,3-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.751	248.92 ng	3635810	1,4-Dichlorobenzene-d4	6.892

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			p-Xylene	106	C8H10	000106-42-3	97
2			o-Xylene	106	C8H10	000095-47-6	97
3			Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	97
4			Ethylbenzene	106	C8H10	000100-41-4	87
5			1,3-Cyclopentadiene, 5-(1-methyl...	106	C8H10	002175-91-9	83



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142739.D
Acq On : 11 Jun 2025 17:19
Operator : RC/JU
Sample : Q2268-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-3-20250605

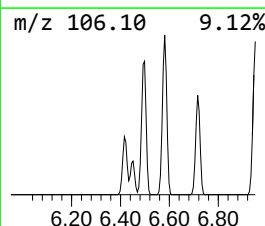
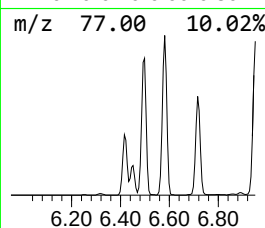
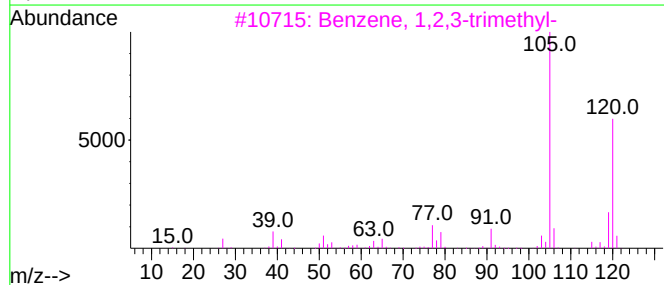
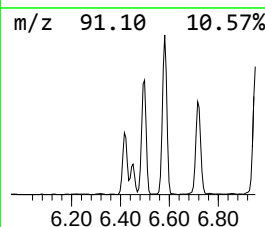
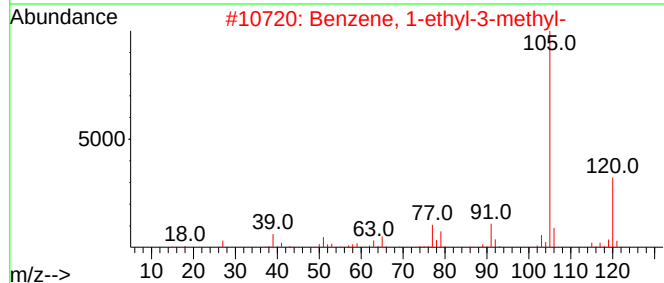
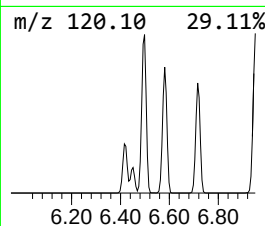
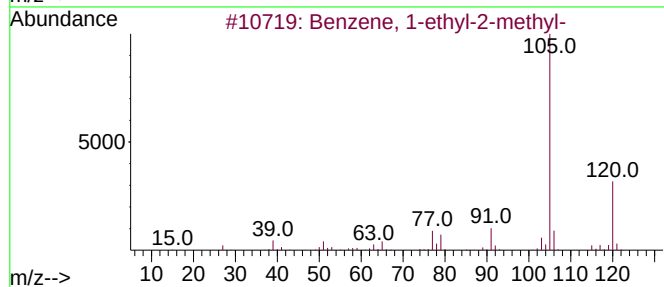
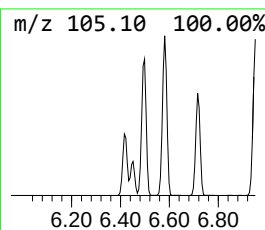
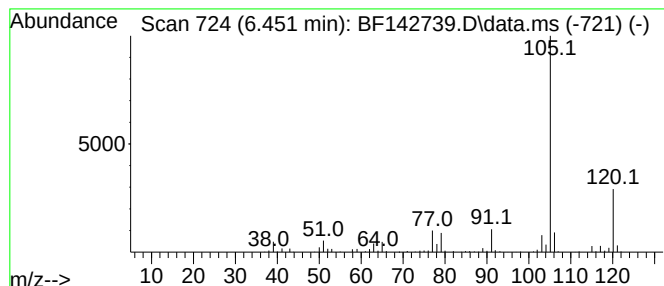
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Benzene, 1-ethyl-2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.451	25.68 ng	375121	1,4-Dichlorobenzene-d4	6.892

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2			Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
3			Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
4			Mesitylene	120	C9H12	000108-67-8	91
5			Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142739.D
Acq On : 11 Jun 2025 17:19
Operator : RC/JU
Sample : Q2268-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-3-20250605

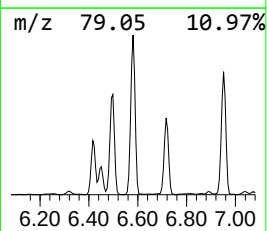
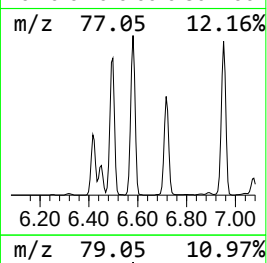
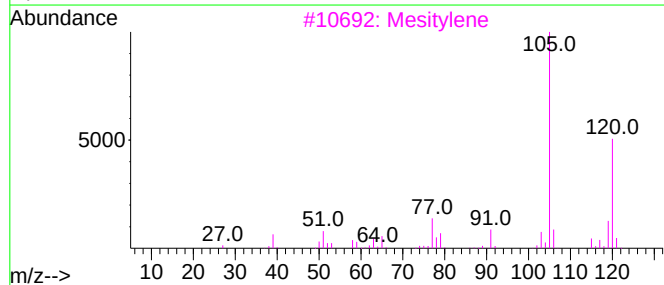
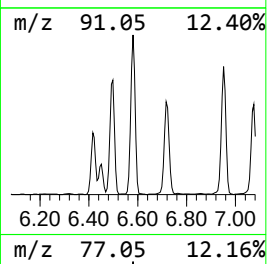
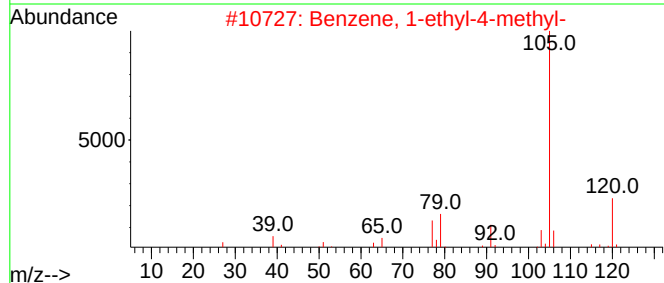
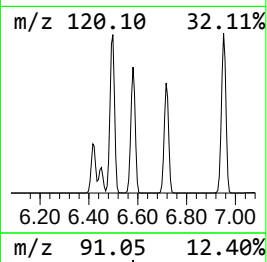
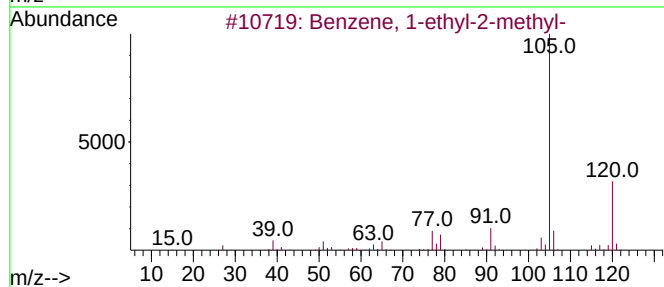
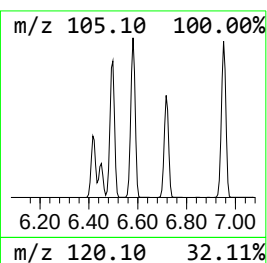
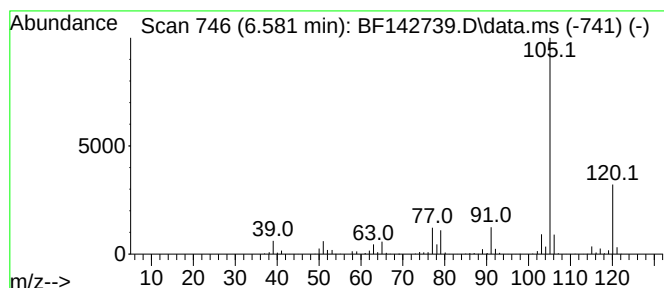
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Benzene, 1-ethyl-4-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.581	128.16 ng	1872020	1,4-Dichlorobenzene-d4	6.892

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2			Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	94
3			Mesitylene	120	C9H12	000108-67-8	91
4			Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5			Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142739.D
Acq On : 11 Jun 2025 17:19
Operator : RC/JU
Sample : Q2268-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-3-20250605

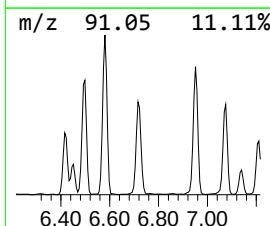
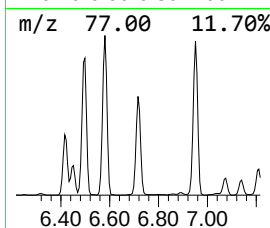
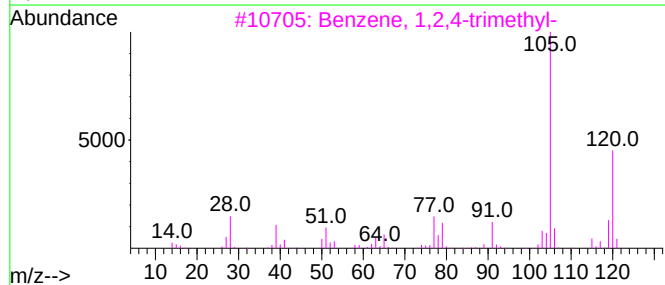
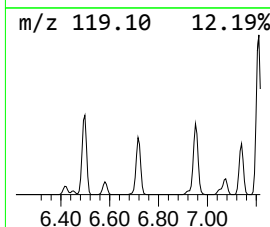
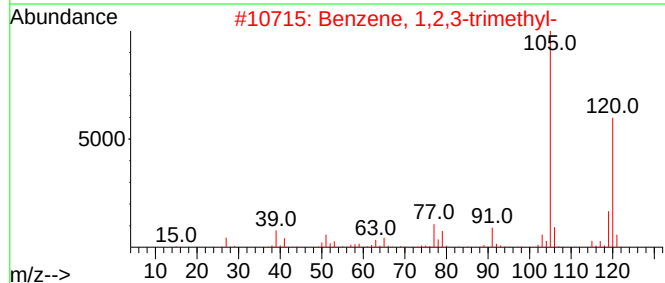
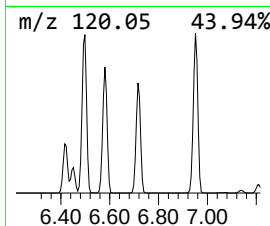
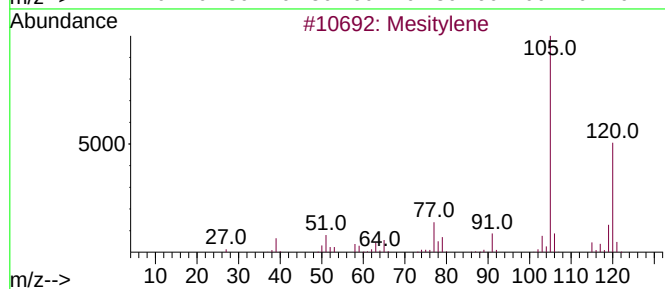
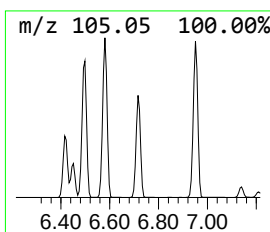
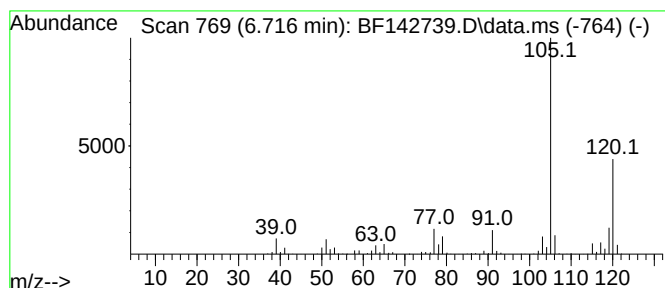
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Benzene, 1,2,3-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.716	97.50 ng	1424120	1,4-Dichlorobenzene-d4	6.892

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Mesitylene	120	C9H12	000108-67-8	97
2			Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
3			Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
4			Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90
5			Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142739.D
Acq On : 11 Jun 2025 17:19
Operator : RC/JU
Sample : Q2268-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-3-20250605

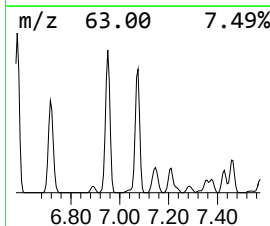
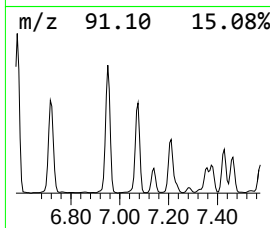
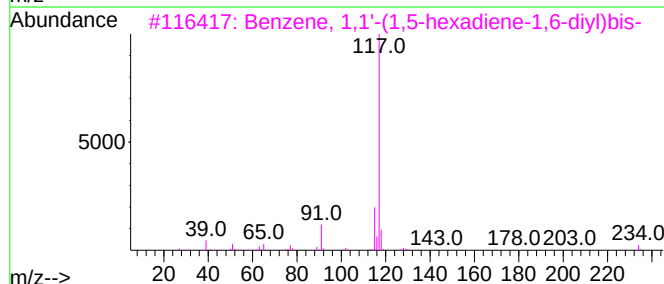
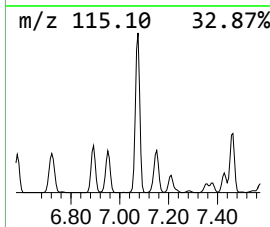
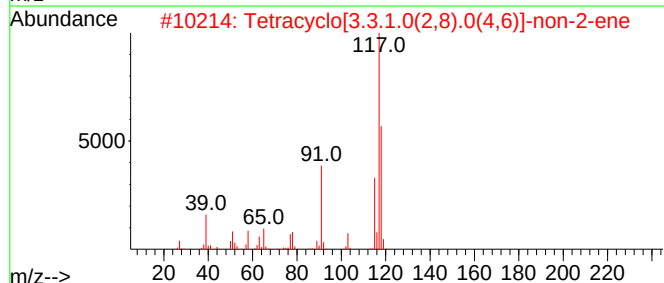
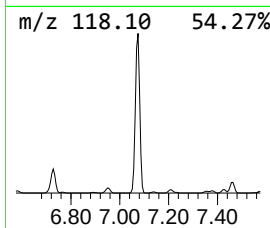
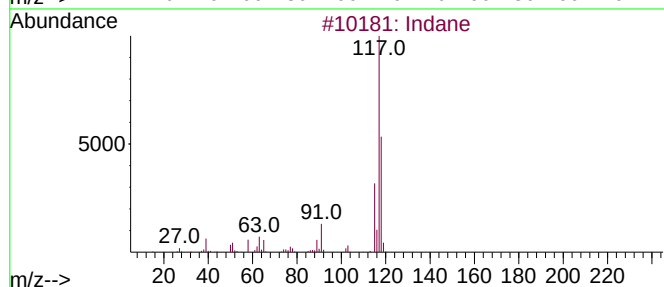
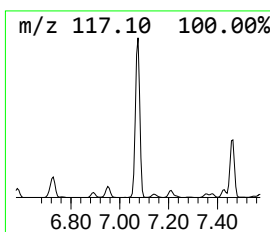
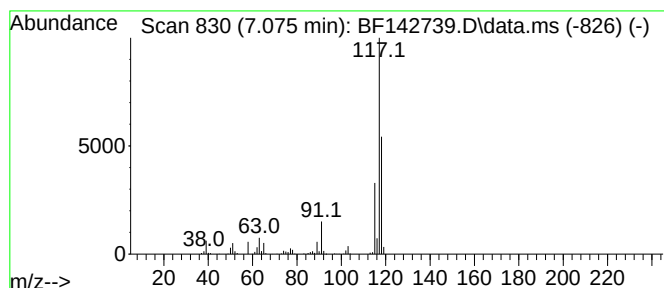
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Tetracyclo[3.3.1.0(2,8).0(4... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.075	65.53 ng	957208	1,4-Dichlorobenzene-d4	6.892

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Indane	118	C9H10	000496-11-7	93
2			Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	64
3			Benzene, 1,1'-(1,5-hexadiene-1,6...	234	C18H18	004439-45-6	59
4			Benzeneethanol, .beta.-ethenyl-	148	C10H12O	006052-63-7	53
5			Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	49



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142739.D
Acq On : 11 Jun 2025 17:19
Operator : RC/JU
Sample : Q2268-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-3-20250605

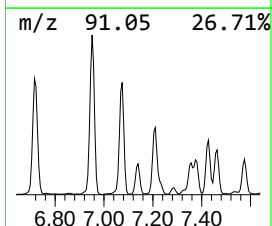
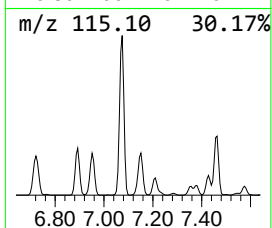
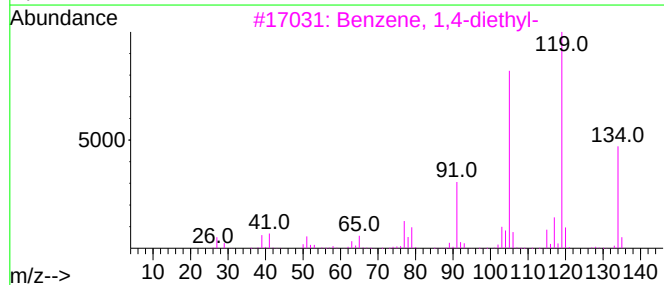
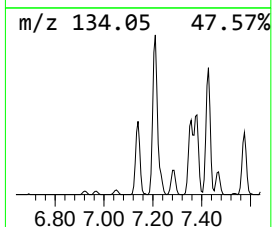
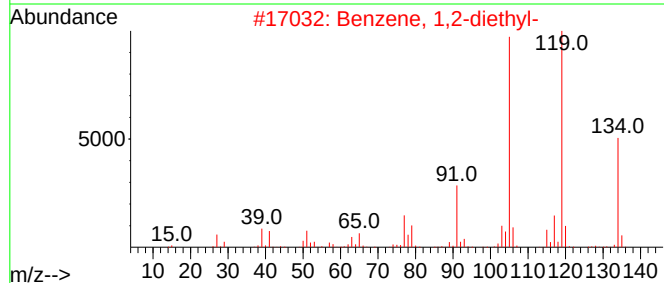
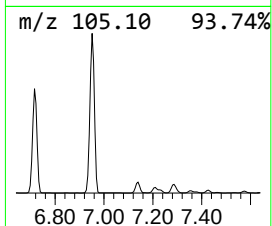
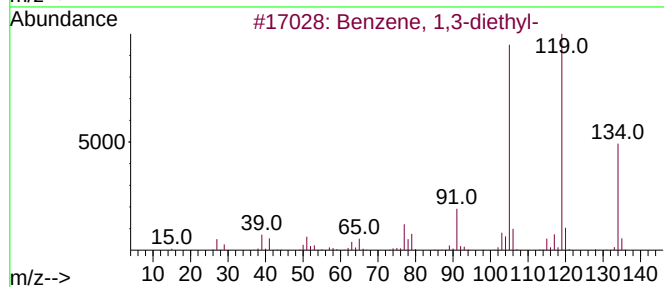
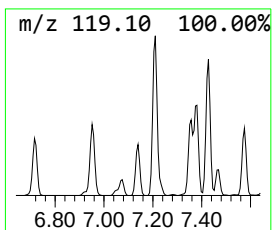
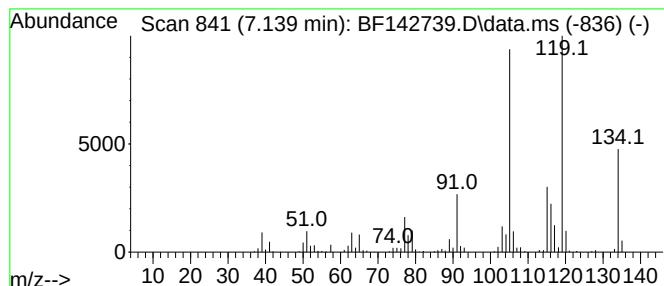
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Benzene, 1,3-diethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.139	21.27 ng	310675	1,4-Dichlorobenzene-d4	6.892

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	95
2			Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	95
3			Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	95
4			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	68
5			Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142739.D
Acq On : 11 Jun 2025 17:19
Operator : RC/JU
Sample : Q2268-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

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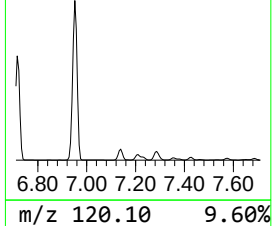
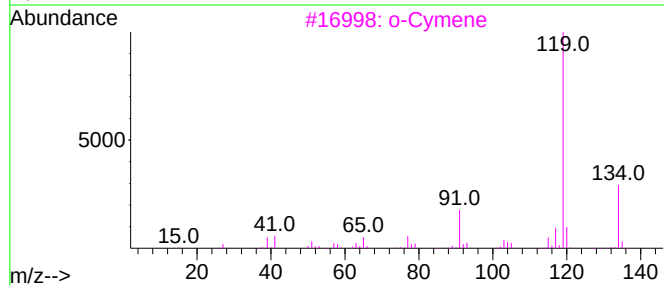
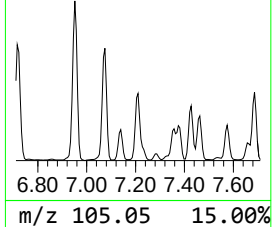
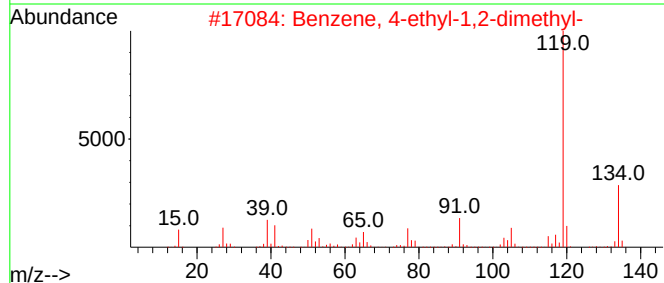
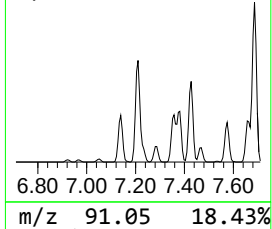
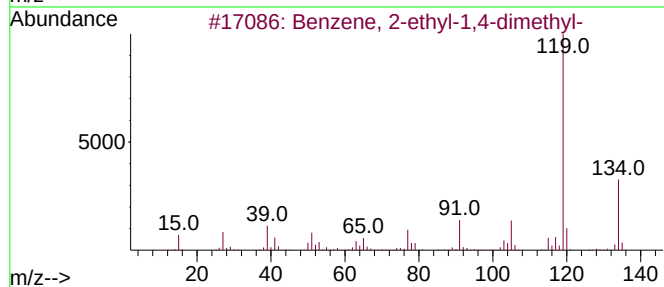
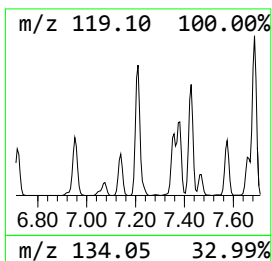
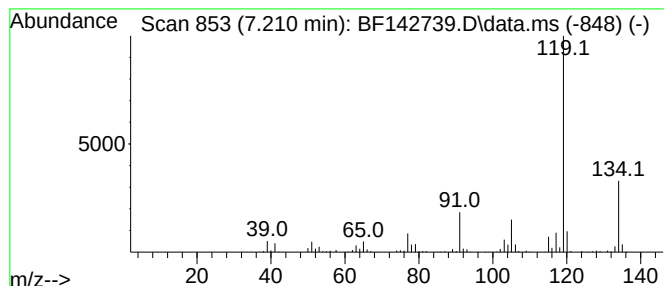
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.210	37.48 ng	547502	1,4-Dichlorobenzene-d4	6.892

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
2			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
3			o-Cymene	134	C10H14	000527-84-4	95
4			Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	94
5			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142739.D
Acq On : 11 Jun 2025 17:19
Operator : RC/JU
Sample : Q2268-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

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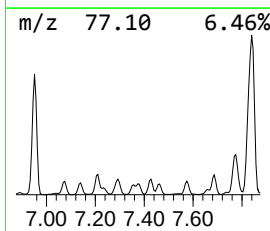
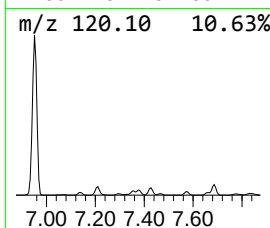
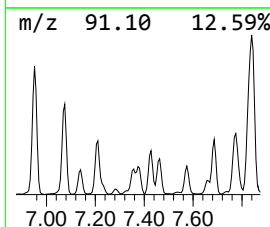
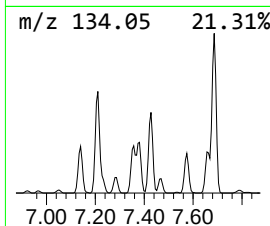
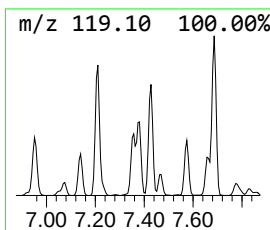
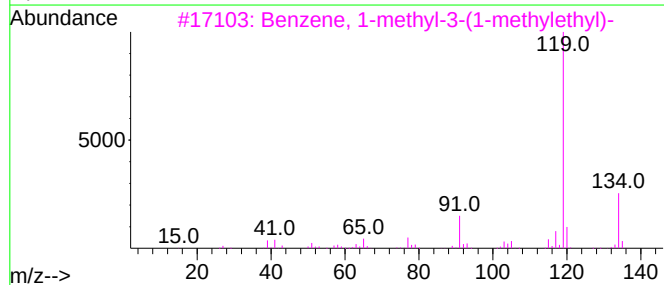
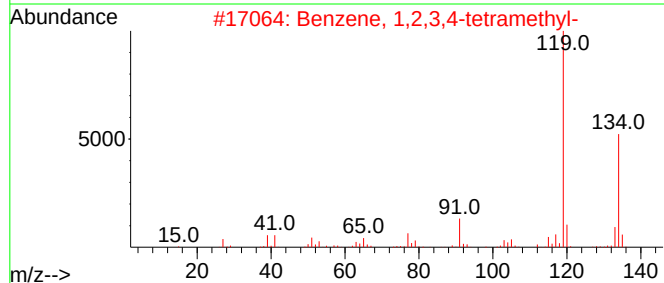
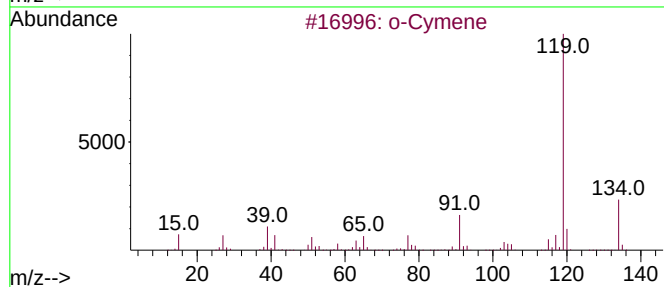
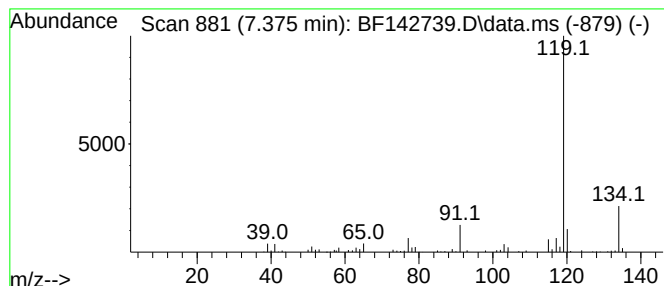
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 o-Cymene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.375	16.44 ng	240117	1,4-Dichlorobenzene-d4	6.892

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			o-Cymene	134	C10H14	000527-84-4	94
2			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91
3			Benzene, 1-methyl-3-(1-methylethyl)-	134	C10H14	000535-77-3	91
4			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
5			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142739.D
Acq On : 11 Jun 2025 17:19
Operator : RC/JU
Sample : Q2268-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-3-20250605

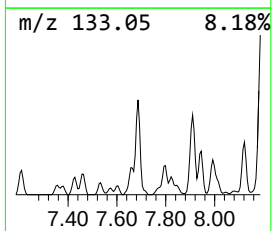
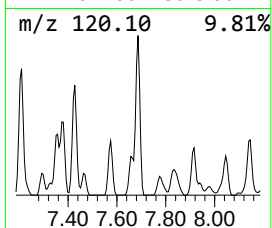
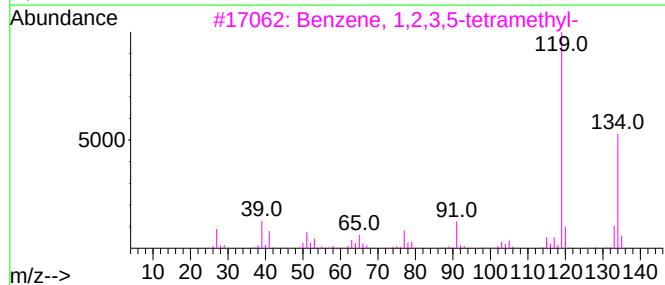
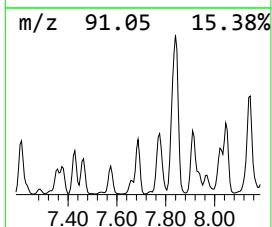
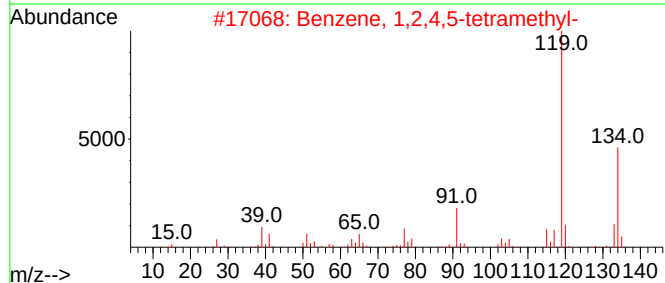
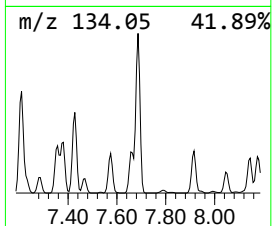
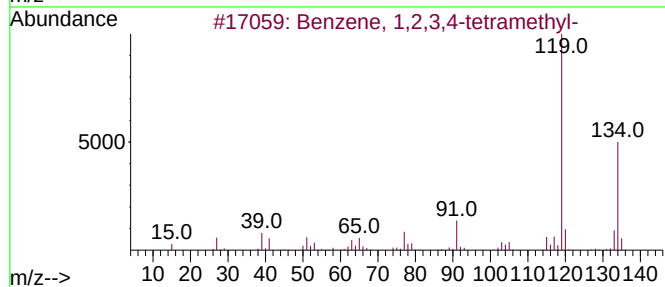
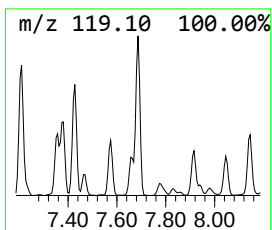
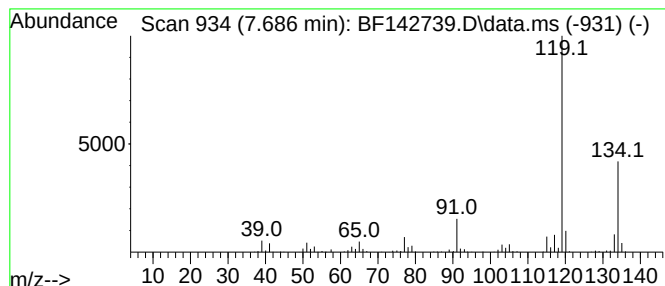
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.686	15.37 ng	500958	Naphthalene-d8	8.175

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
2			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
3			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	97
4			o-Cymene	134	C10H14	000527-84-4	96
5			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142739.D
Acq On : 11 Jun 2025 17:19
Operator : RC/JU
Sample : Q2268-08
Misc :
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Instrument :
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ClientSampleId :
MW-3-20250605

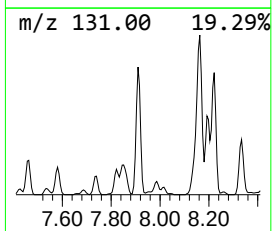
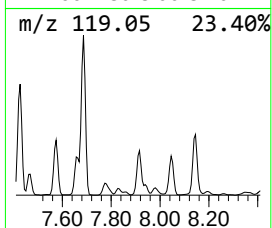
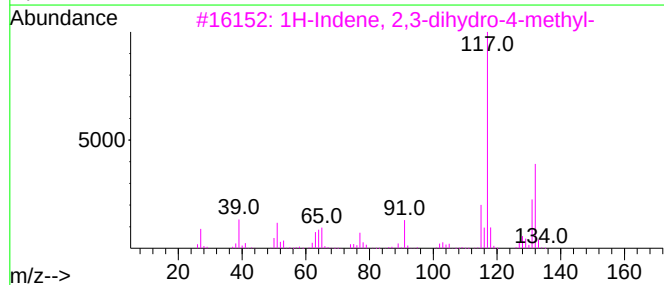
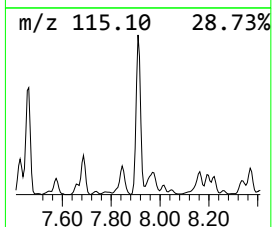
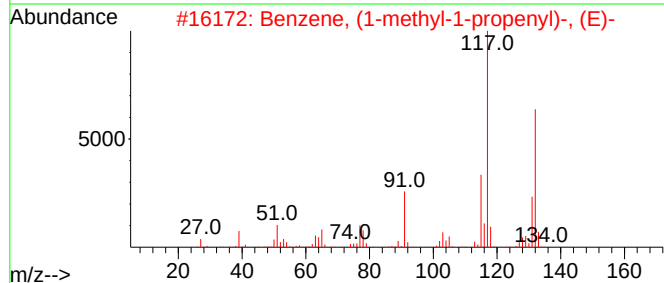
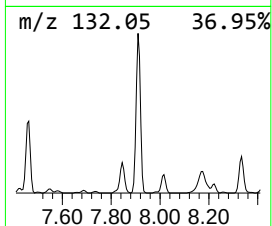
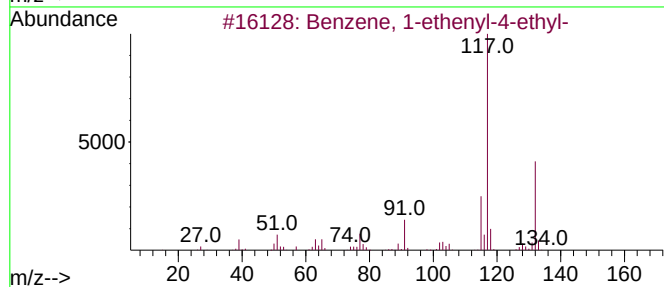
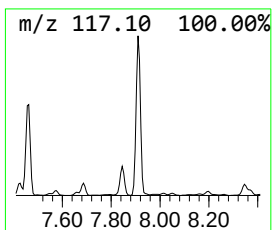
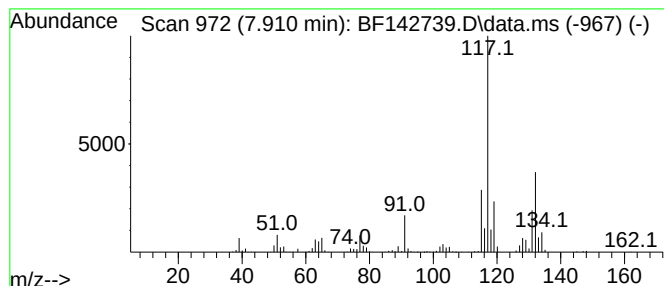
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.910	28.98 ng	944969	Naphthalene-d8	8.175

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	89
2		Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	87
3		1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	87
4		3-Phenylbut-1-ene	132	C10H12	000934-10-1	87
5		1-Phenyl-1-butene	132	C10H12	000824-90-8	81



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142739.D
Acq On : 11 Jun 2025 17:19
Operator : RC/JU
Sample : Q2268-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-3-20250605

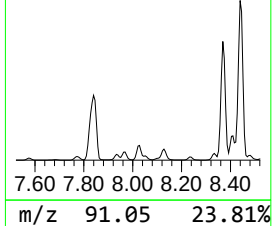
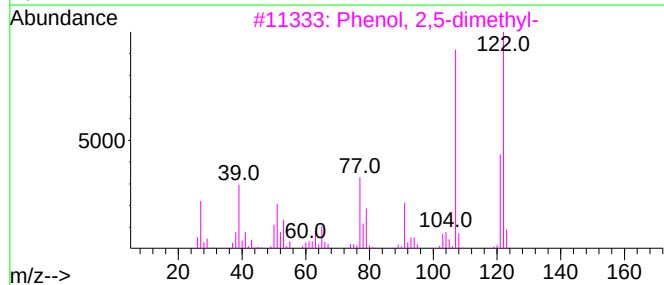
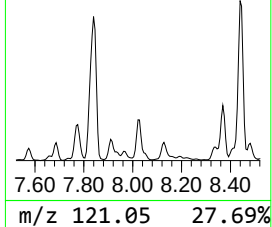
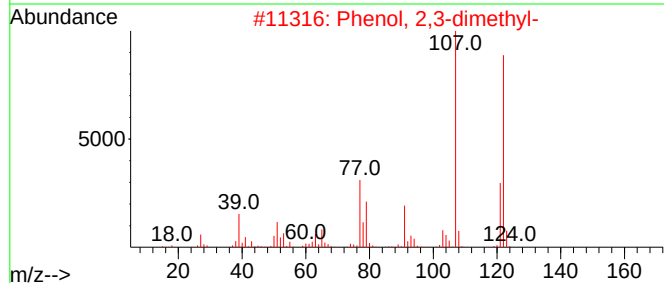
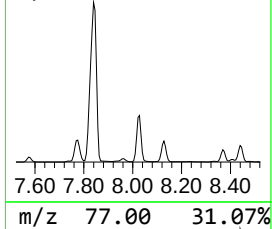
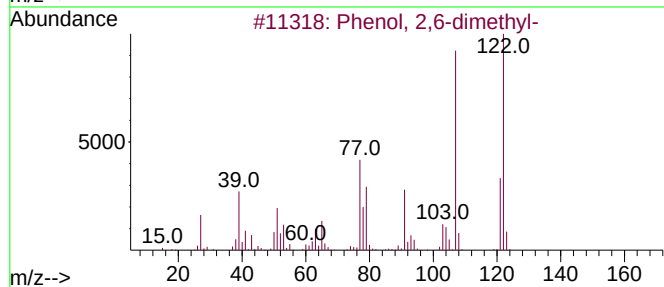
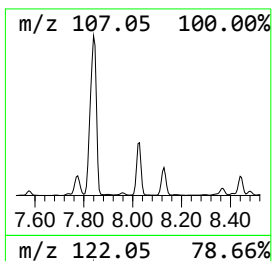
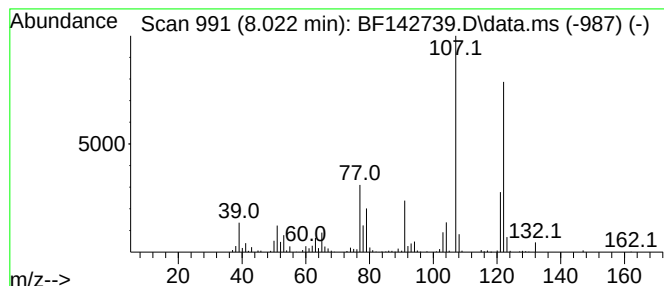
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Phenol, 2,6-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.022	22.50 ng	733589	Naphthalene-d8	8.175

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenol, 2,6-dimethyl-	122	C8H10O	000576-26-1	96
2			Phenol, 2,3-dimethyl-	122	C8H10O	000526-75-0	96
3			Phenol, 2,5-dimethyl-	122	C8H10O	000095-87-4	95
4			Phenol, 3,5-dimethyl-	122	C8H10O	000108-68-9	93
5			Phenol, 2,4-dimethyl-	122	C8H10O	000105-67-9	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142739.D
Acq On : 11 Jun 2025 17:19
Operator : RC/JU
Sample : Q2268-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-3-20250605

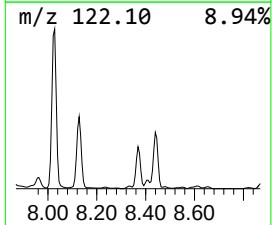
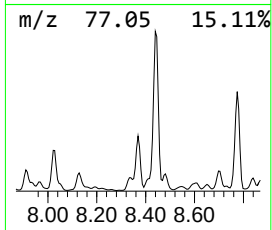
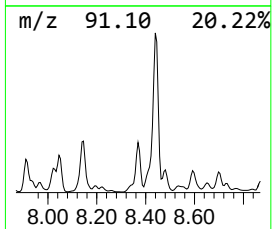
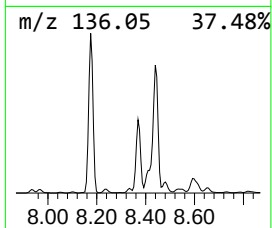
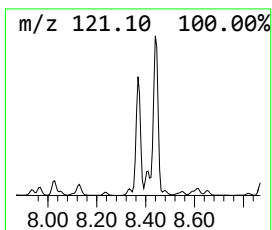
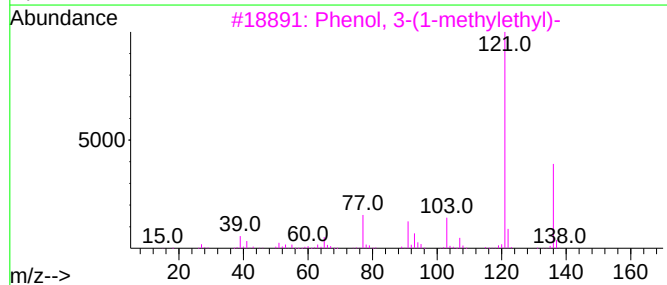
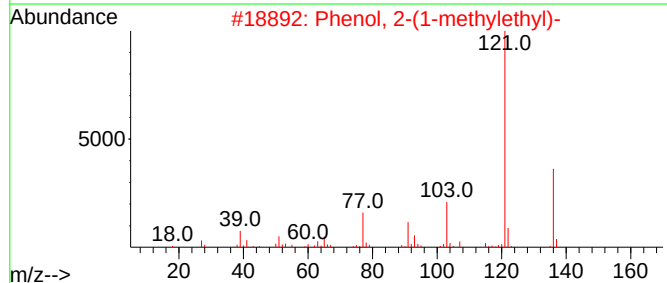
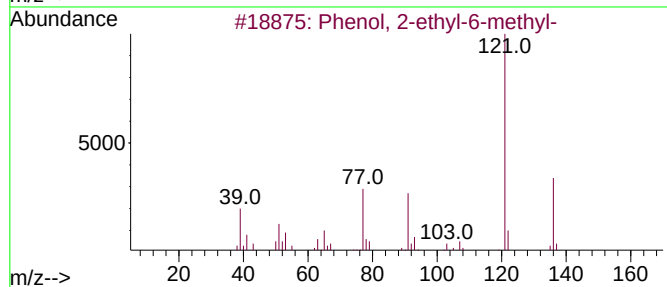
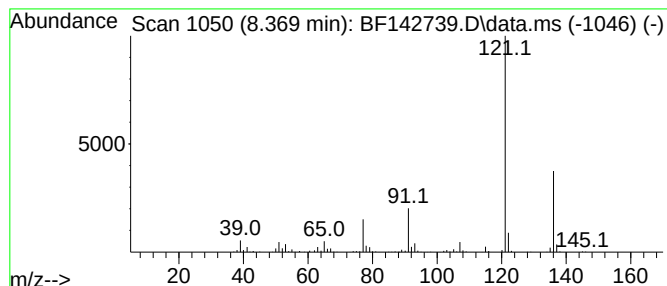
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Phenol, 2-ethyl-6-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.369	22.38 ng	729661	Naphthalene-d8	8.175

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenol, 2-ethyl-6-methyl-	136	C9H12O	001687-64-5	91
2			Phenol, 2-(1-methylethyl)-	136	C9H12O	000088-69-7	90
3			Phenol, 3-(1-methylethyl)-	136	C9H12O	000618-45-1	90
4			p-Cumenol	136	C9H12O	000099-89-8	90
5			Phenol, 2-ethyl-5-methyl-	136	C9H12O	001687-61-2	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142739.D
Acq On : 11 Jun 2025 17:19
Operator : RC/JU
Sample : Q2268-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

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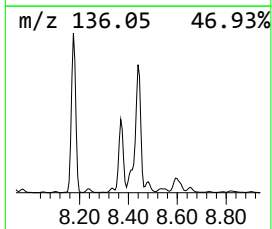
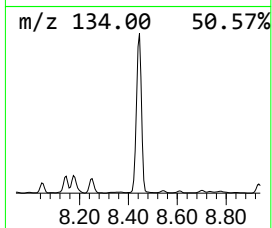
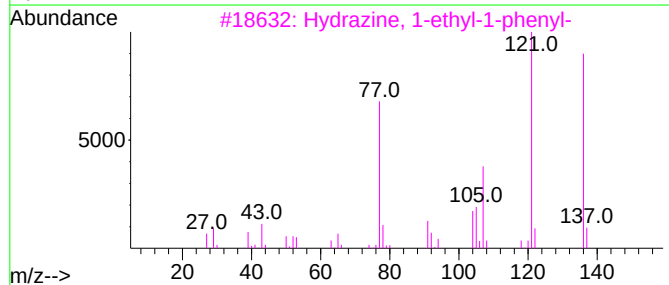
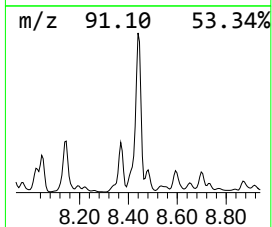
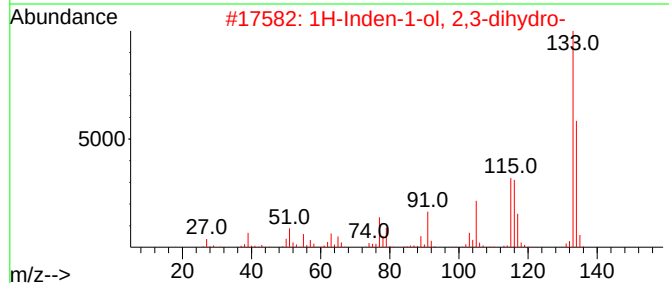
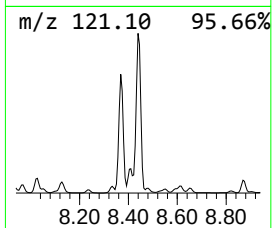
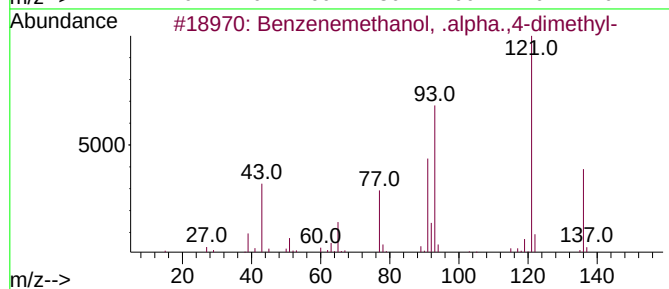
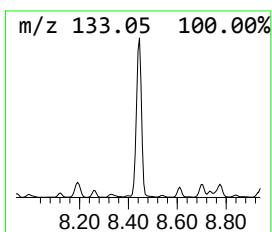
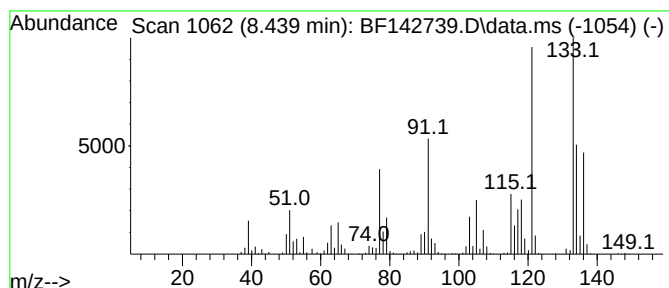
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 unknown8.439 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.439	100.48 ng	3275920	Naphthalene-d8	8.175

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzenemethanol, .alpha.,4-dimet...	136	C9H12O	000536-50-5	46
2		1H-Inden-1-ol, 2,3-dihydro-	134	C9H10O	006351-10-6	45
3		Hydrazine, 1-ethyl-1-phenyl-	136	C8H12N2	000644-21-3	41
4		Trimethoxyvinylsilane	148	C5H12O3Si	002768-02-7	38
5		1,3-Cyclohexadiene, 1-methyl-4-(...	136	C10H16	000099-86-5	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142739.D
Acq On : 11 Jun 2025 17:19
Operator : RC/JU
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Misc :
ALS Vial : 18 Sample Multiplier: 1

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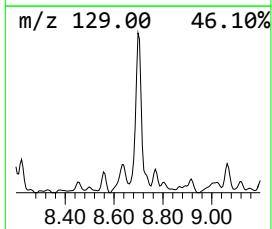
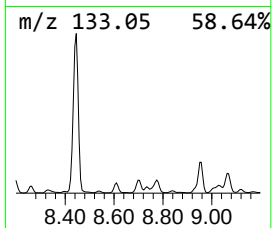
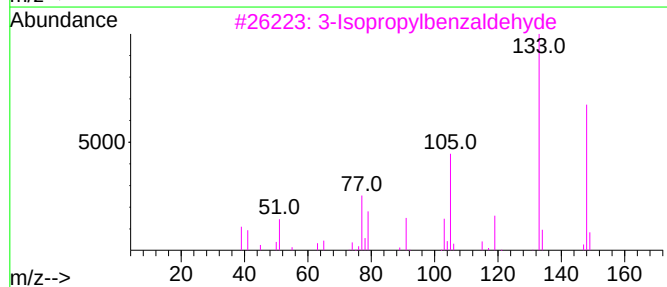
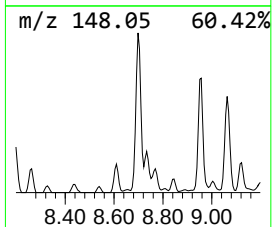
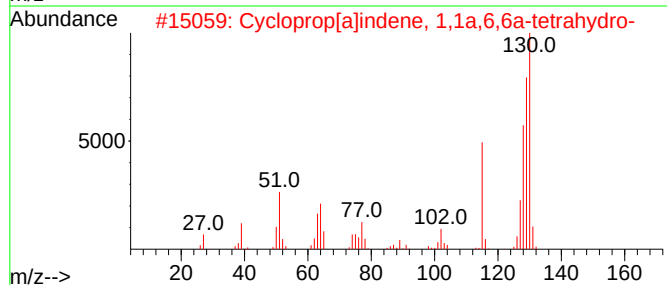
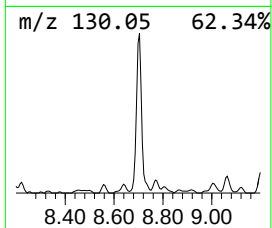
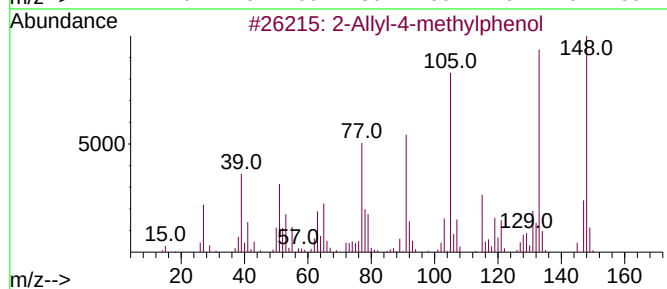
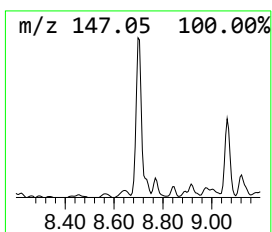
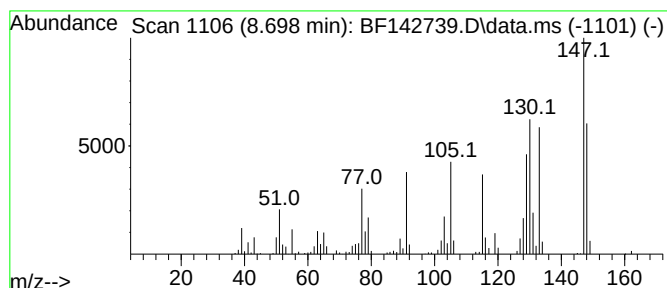
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 unknown8.698 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.698	15.61 ng	508793	Naphthalene-d8	8.175

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Allyl-4-methylphenol	148	C10H12O	006628-06-4	38	
2	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	35	
3	3-Isopropylbenzaldehyde	148	C10H12O	034246-57-6	35	
4	1H-Indene, 3-methyl-	130	C10H10	000767-60-2	25	
5	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	25	



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142739.D
Acq On : 11 Jun 2025 17:19
Operator : RC/JU
Sample : Q2268-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

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ClientSampleId :
MW-3-20250605

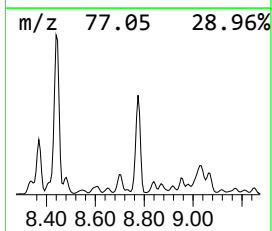
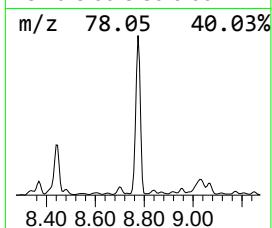
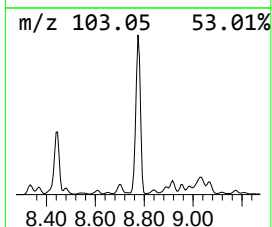
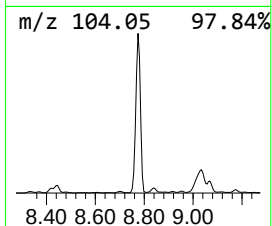
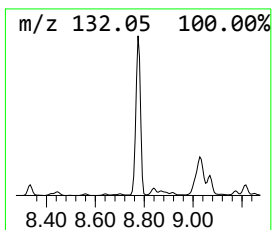
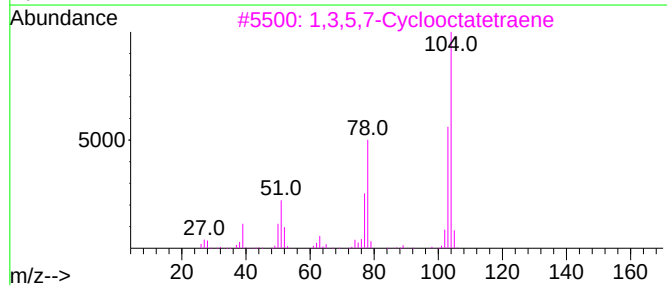
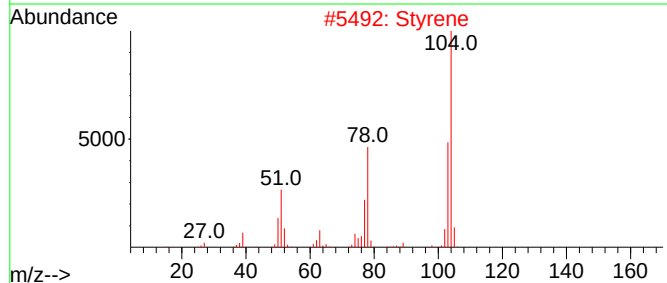
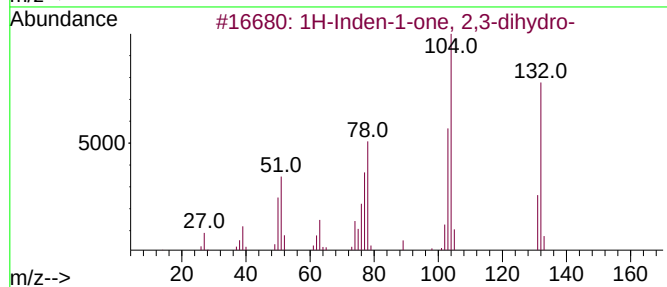
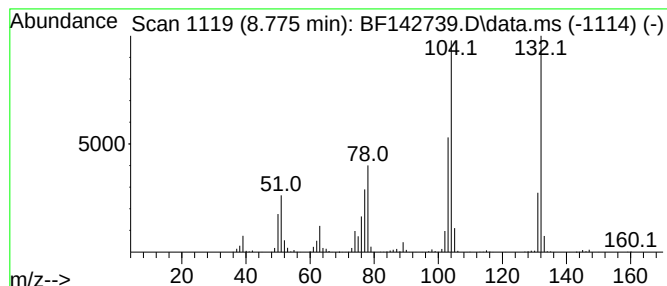
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 1H-Inden-1-one, 2,3-dihydro- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.775	47.65 ng	1553640	Naphthalene-d8	8.175

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Inden-1-one, 2,3-dihydro-	132	C9H8O	000083-33-0	96
2			Styrene	104	C8H8	000100-42-5	90
3			1,3,5,7-Cyclooctatetraene	104	C8H8	000629-20-9	64
4			Bicyclo[4.2.0]octa-1,3,5-triene	104	C8H8	000694-87-1	60
5			2H-Inden-2-one, 1,3-dihydro-	132	C9H8O	000615-13-4	59



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142739.D
Acq On : 11 Jun 2025 17:19
Operator : RC/JU
Sample : Q2268-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-3-20250605

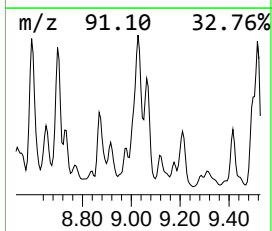
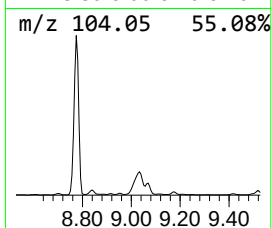
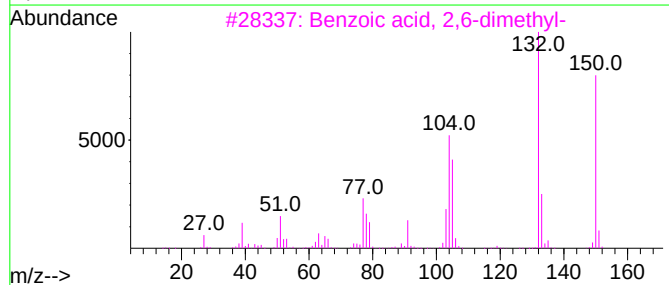
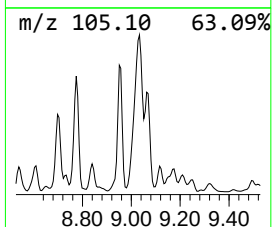
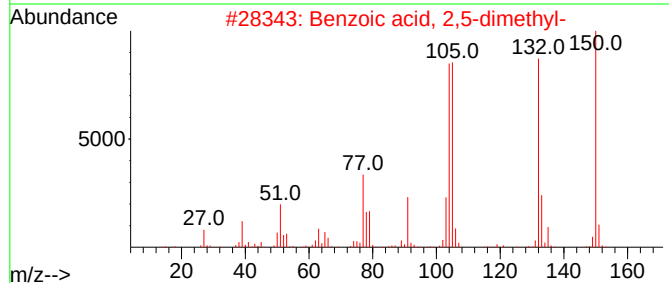
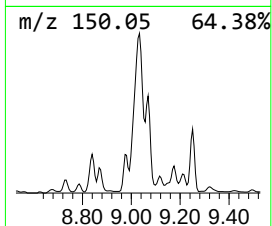
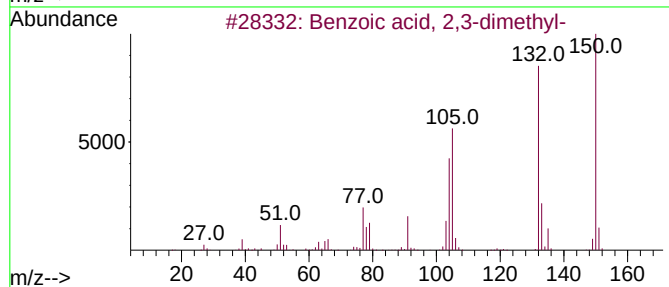
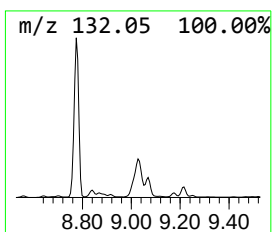
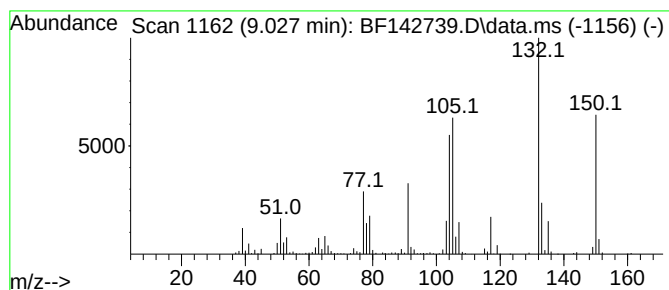
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Benzoic acid, 2,3-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.027	26.31 ng	857941	Naphthalene-d8	8.175

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzoic acid, 2,3-dimethyl-	150	C9H10O2	000603-79-2	95
2			Benzoic acid, 2,5-dimethyl-	150	C9H10O2	000610-72-0	93
3			Benzoic acid, 2,6-dimethyl-	150	C9H10O2	000632-46-2	93
4			Benzoic acid, 3,5-dimethyl-	150	C9H10O2	000499-06-9	83
5			Benzoic acid, 2,4-dimethyl-	150	C9H10O2	000611-01-8	74



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142739.D
Acq On : 11 Jun 2025 17:19
Operator : RC/JU
Sample : Q2268-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-3-20250605

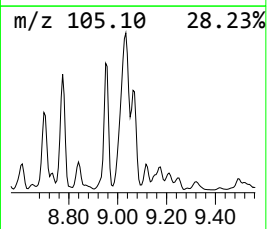
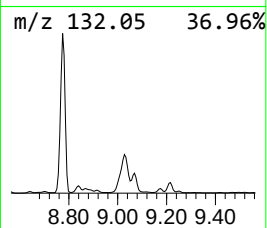
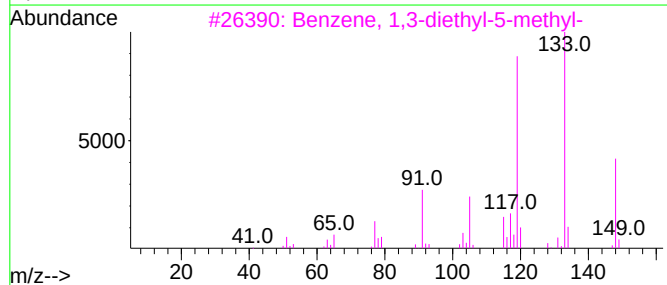
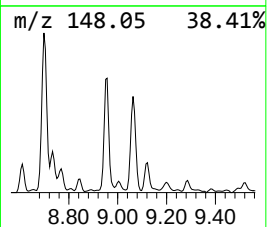
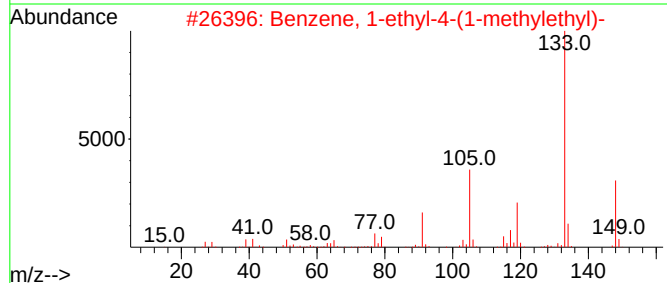
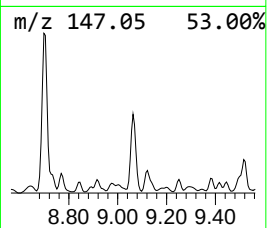
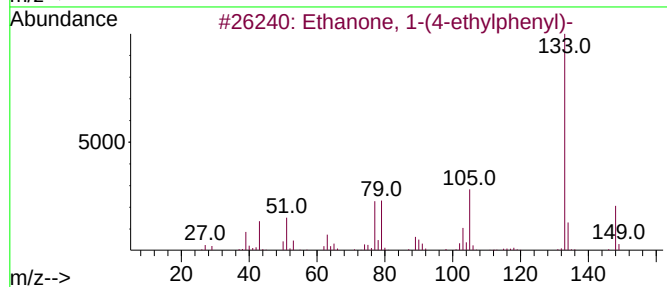
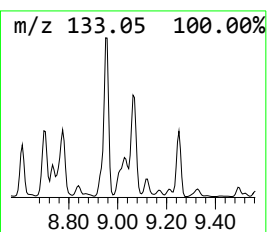
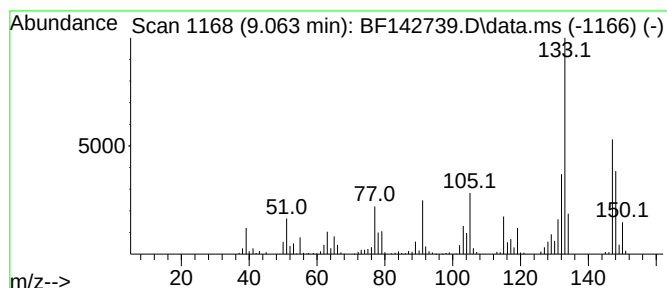
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Ethanone, 1-(4-ethylphenyl)- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.063	21.70 ng	439607	Acenaphthene-d10	9.933

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Ethanone, 1-(4-ethylphenyl)-	148	C10H12O	000937-30-4	53
2			Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	49
3			Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	49
4			4-tert-Butyltoluene	148	C11H16	000098-51-1	49
5			Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	49



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142739.D
Acq On : 11 Jun 2025 17:19
Operator : RC/JU
Sample : Q2268-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-3-20250605

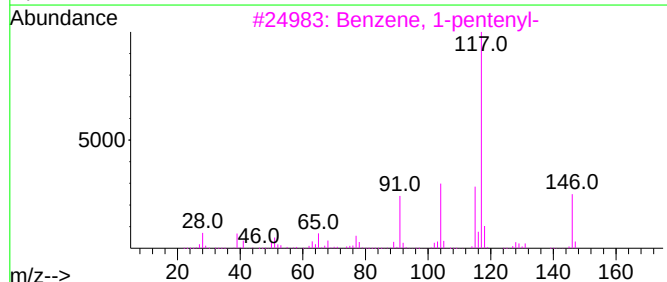
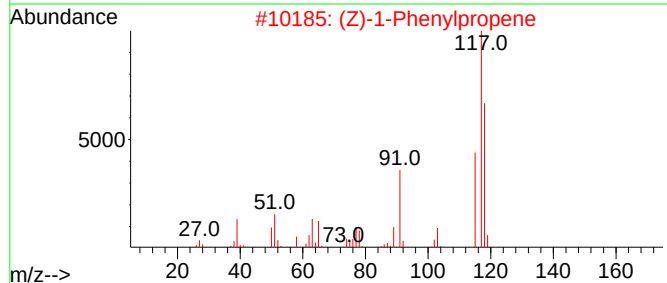
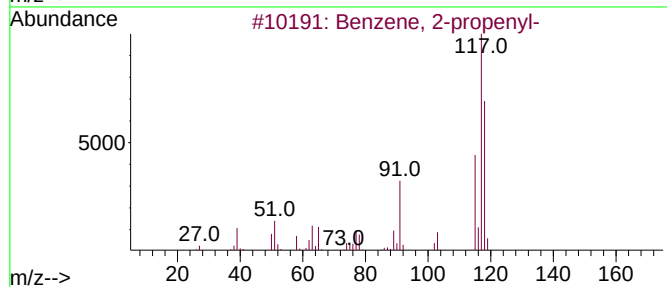
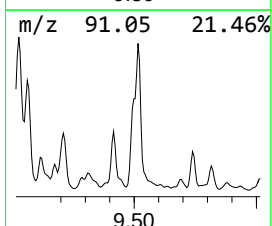
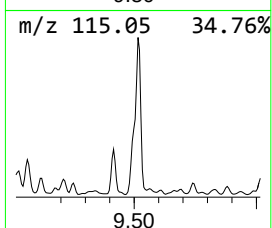
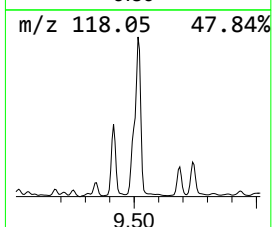
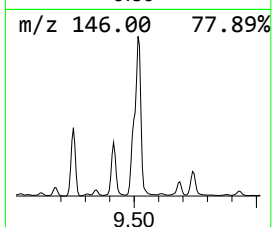
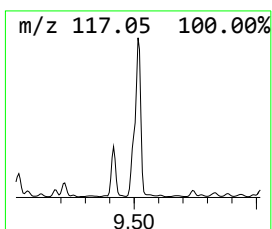
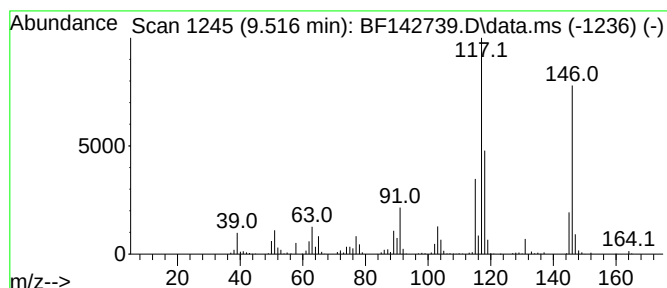
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Benzene, 2-propenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.516	41.99 ng	850827	Acenaphthene-d10	9.933

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzene, 2-propenyl-	118	C9H10	000300-57-2	90
2		(Z)-1-Phenylpropene	118	C9H10	000766-90-5	70
3		Benzene, 1-pentenyl-	146	C11H14	000826-18-6	68
4		1H-Indene-4-carboxaldehyde, 2,3-...	146	C10H10O	051932-70-8	64
5		1H-Indol-4-ylmethylaniline	146	C9H10N2	003468-18-6	53



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142739.D
Acq On : 11 Jun 2025 17:19
Operator : RC/JU
Sample : Q2268-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-3-20250605

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.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
Benzene, 1,3-di...	5.751	248.9	ng	3635810	1	6.892	292127	20.0
Benzene, 1-ethy...	6.451	25.7	ng	375121	1	6.892	292127	20.0
Benzene, 1-ethy...	6.581	128.2	ng	1872020	1	6.892	292127	20.0
Benzene, 1,2,3-...	6.716	97.5	ng	1424120	1	6.892	292127	20.0
Tetracyclo[3.3...	7.075	65.5	ng	957208	1	6.892	292127	20.0
Benzene, 1,3-di...	7.139	21.3	ng	310675	1	6.892	292127	20.0
Benzene, 2-ethy...	7.210	37.5	ng	547502	1	6.892	292127	20.0
o-Cymene	7.375	16.4	ng	240117	1	6.892	292127	20.0
Benzene, 1,2,4,...	7.686	15.4	ng	500958	2	8.175	652077	20.0
Benzene, 1-eth...	7.910	29.0	ng	944969	2	8.175	652077	20.0
Phenol, 2,6-dim...	8.022	22.5	ng	733589	2	8.175	652077	20.0
Phenol, 2-ethyl...	8.369	22.4	ng	729661	2	8.175	652077	20.0
unknown8.439	8.439	100.5	ng	3275920	2	8.175	652077	20.0
unknown8.698	8.698	15.6	ng	508793	2	8.175	652077	20.0
1H-Inden-1-one,...	8.775	47.6	ng	1553640	2	8.175	652077	20.0
Benzoic acid, 2...	9.027	26.3	ng	857941	2	8.175	652077	20.0
Ethanone, 1-(4-...	9.063	21.7	ng	439607	3	9.933	405227	20.0
Benzene, 2-prop...	9.516	42.0	ng	850827	3	9.933	405227	20.0

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	06/05/25
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	06/06/25
Client Sample ID:	MW-3-20250605DL	SDG No.:	Q2268
Lab Sample ID:	Q2268-08DL	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142755.D	2	06/10/25 08:10	06/12/25 13:59	PB168376

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	8.10	UD	8.10	20.8	ug/L
108-95-2	Phenol	1.90	UD	1.90	10.4	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.70	UD	1.70	10.4	ug/L
95-57-8	2-Chlorophenol	1.20	UD	1.20	10.4	ug/L
95-48-7	2-Methylphenol	2.30	UD	2.30	10.4	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	2.70	UD	2.70	10.4	ug/L
98-86-2	Acetophenone	1.50	UD	1.50	10.4	ug/L
65794-96-9	3+4-Methylphenols	2.30	UD	2.30	20.8	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2.90	UD	2.90	5.20	ug/L
67-72-1	Hexachloroethane	1.40	UD	1.40	10.4	ug/L
98-95-3	Nitrobenzene	1.60	UD	1.60	10.4	ug/L
78-59-1	Isophorone	1.60	UD	1.60	10.4	ug/L
88-75-5	2-Nitrophenol	3.70	UD	3.70	10.4	ug/L
105-67-9	2,4-Dimethylphenol	160	D	3.90	10.4	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1.40	UD	1.40	10.4	ug/L
120-83-2	2,4-Dichlorophenol	1.10	UD	1.10	10.4	ug/L
91-20-3	Naphthalene	1.00	UD	1.00	10.4	ug/L
106-47-8	4-Chloroaniline	1.80	UD	1.80	10.4	ug/L
87-68-3	Hexachlorobutadiene	1.10	UD	1.10	10.4	ug/L
105-60-2	Caprolactam	2.40	UD	2.40	20.8	ug/L
59-50-7	4-Chloro-3-methylphenol	1.20	UD	1.20	10.4	ug/L
91-57-6	2-Methylnaphthalene	1.20	UD	1.20	10.4	ug/L
77-47-4	Hexachlorocyclopentadiene	7.60	UD	7.60	20.8	ug/L
88-06-2	2,4,6-Trichlorophenol	1.10	UD	1.10	10.4	ug/L
95-95-4	2,4,5-Trichlorophenol	1.30	UD	1.30	10.4	ug/L
92-52-4	1,1-Biphenyl	1.10	UD	1.10	10.4	ug/L
91-58-7	2-Chloronaphthalene	1.30	UD	1.30	10.4	ug/L
88-74-4	2-Nitroaniline	2.60	UD	2.60	10.4	ug/L
131-11-3	Dimethylphthalate	1.30	UD	1.30	10.4	ug/L

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	06/05/25
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	06/06/25
Client Sample ID:	MW-3-20250605DL	SDG No.:	Q2268
Lab Sample ID:	Q2268-08DL	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142755.D	2	06/10/25 08:10	06/12/25 13:59	PB168376

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	1.60	UD	1.60	10.4	ug/L
606-20-2	2,6-Dinitrotoluene	1.90	UD	1.90	10.4	ug/L
99-09-2	3-Nitroaniline	2.20	UD	2.20	10.4	ug/L
83-32-9	Acenaphthene	1.10	UD	1.10	10.4	ug/L
51-28-5	2,4-Dinitrophenol	12.4	UD	12.4	20.8	ug/L
100-02-7	4-Nitrophenol	5.00	UD	5.00	20.8	ug/L
132-64-9	Dibenzofuran	1.30	UD	1.30	10.4	ug/L
121-14-2	2,4-Dinitrotoluene	2.50	UD	2.50	10.4	ug/L
84-66-2	Diethylphthalate	1.40	UD	1.40	10.4	ug/L
7005-72-3	4-Chlorophenyl-phenylether	1.40	UD	1.40	10.4	ug/L
86-73-7	Fluorene	1.30	UD	1.30	10.4	ug/L
100-01-6	4-Nitroaniline	3.10	UD	3.10	10.4	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	6.00	UD	6.00	20.8	ug/L
86-30-6	n-Nitrosodiphenylamine	1.20	UD	1.20	10.4	ug/L
101-55-3	4-Bromophenyl-phenylether	0.83	UD	0.83	10.4	ug/L
118-74-1	Hexachlorobenzene	1.10	UD	1.10	10.4	ug/L
1912-24-9	Atrazine	2.10	UD	2.10	10.4	ug/L
87-86-5	Pentachlorophenol	3.30	UD	3.30	20.8	ug/L
85-01-8	Phenanthrene	1.00	UD	1.00	10.4	ug/L
120-12-7	Anthracene	1.30	UD	1.30	10.4	ug/L
86-74-8	Carbazole	1.50	UD	1.50	10.4	ug/L
84-74-2	Di-n-butylphthalate	2.50	UD	2.50	10.4	ug/L
206-44-0	Fluoranthene	1.70	UD	1.70	10.4	ug/L
129-00-0	Pyrene	1.00	UD	1.00	10.4	ug/L
85-68-7	Butylbenzylphthalate	4.00	UD	4.00	10.4	ug/L
91-94-1	3,3-Dichlorobenzidine	1.90	UD	1.90	20.8	ug/L
56-55-3	Benzo(a)anthracene	0.94	UD	0.94	10.4	ug/L
218-01-9	Chrysene	0.92	UD	0.92	10.4	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	3.30	UD	3.30	10.4	ug/L
117-84-0	Di-n-octyl phthalate	4.90	UD	4.90	20.8	ug/L
205-99-2	Benzo(b)fluoranthene	1.00	UD	1.00	10.4	ug/L

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	06/05/25
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	06/06/25
Client Sample ID:	MW-3-20250605DL	SDG No.:	Q2268
Lab Sample ID:	Q2268-08DL	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142755.D	2	06/10/25 08:10	06/12/25 13:59	PB168376

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	1.00	UD	1.00	10.4	ug/L
50-32-8	Benzo(a)pyrene	1.10	UD	1.10	10.4	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1.20	UD	1.20	10.4	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.40	UD	1.40	10.4	ug/L
191-24-2	Benzo(g,h,i)perylene	1.40	UD	1.40	10.4	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.10	UD	1.10	10.4	ug/L
123-91-1	1,4-Dioxane	2.10	UD	2.10	10.4	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	1.50	UD	1.50	10.4	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	55.8		23 - 138	37%	SPK: 150
13127-88-3	Phenol-d6	39.2		10 - 134	26%	SPK: 150
4165-60-0	Nitrobenzene-d5	86.4		67 - 132	86%	SPK: 100
321-60-8	2-Fluorobiphenyl	93.6		52 - 132	94%	SPK: 100
118-79-6	2,4,6-Tribromophenol	127		44 - 137	84%	SPK: 150
1718-51-0	Terphenyl-d14	67.3		42 - 152	67%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	65600	6.892			
1146-65-2	Naphthalene-d8	239000	8.175			
15067-26-2	Acenaphthene-d10	122000	9.927			
1517-22-2	Phenanthrene-d10	175000	11.416			
1719-03-5	Chrysene-d12	110000	14.062			
1520-96-3	Perylene-d12	154000	15.556			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061225\
 Data File : BF142755.D
 Acq On : 12 Jun 2025 13:59
 Operator : RC/JU
 Sample : Q2268-08DL 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-3-20250605DL

Quant Time: Jun 12 14:19:53 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 11 05:56:09 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

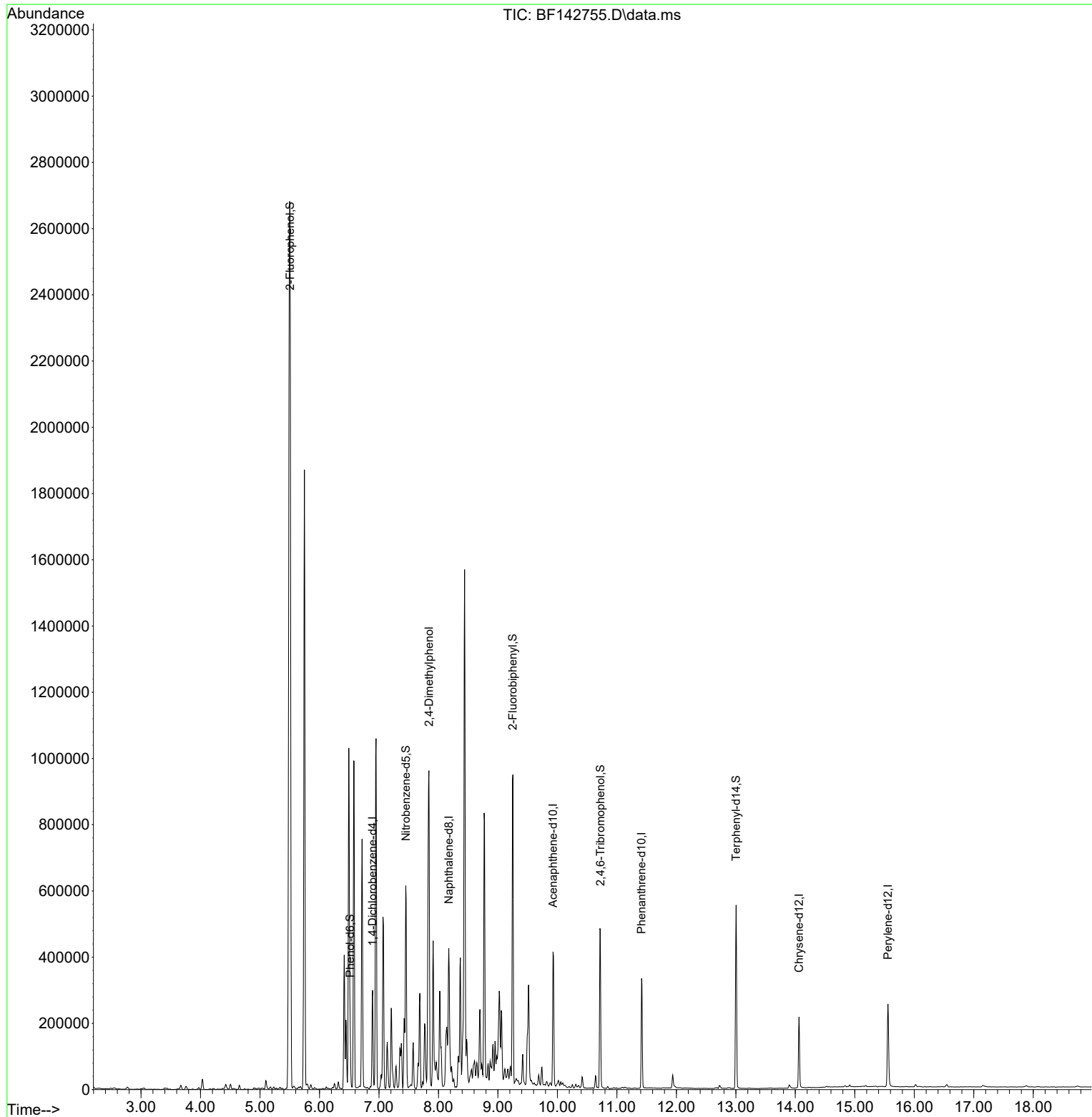
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	65644	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	239333	20.000	ng	0.00
39) Acenaphthene-d10	9.927	164	121845	20.000	ng	-0.01
64) Phenanthrene-d10	11.416	188	175442	20.000	ng	0.00
76) Chrysene-d12	14.062	240	109504	20.000	ng	0.00
86) Perylene-d12	15.556	264	154313	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	107560	27.907	ng	0.00
7) Phenol-d6	6.516	99	88915	19.602	ng	0.00
23) Nitrobenzene-d5	7.451	82	188909	43.197	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	84564	63.325	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	429065	46.784	ng	0.00
79) Terphenyl-d14	13.004	244	268162	33.634	ng	0.00
Target Compounds						
27) 2,4-Dimethylphenol	7.839	122	279285	75.729	ng	Qvalue # 91

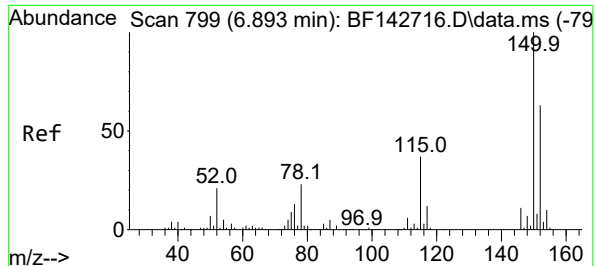
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061225\
Data File : BF142755.D
Acq On : 12 Jun 2025 13:59
Operator : RC/JU
Sample : Q2268-08DL 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-3-20250605DL

Quant Time: Jun 12 14:19:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 11 05:56:09 2025
Response via : Initial Calibration

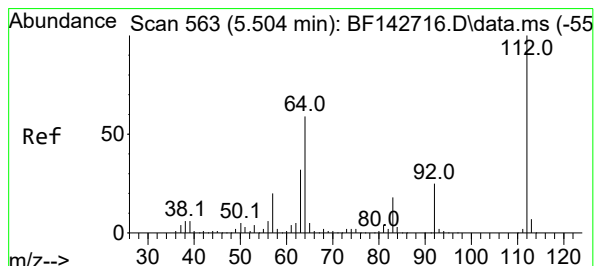
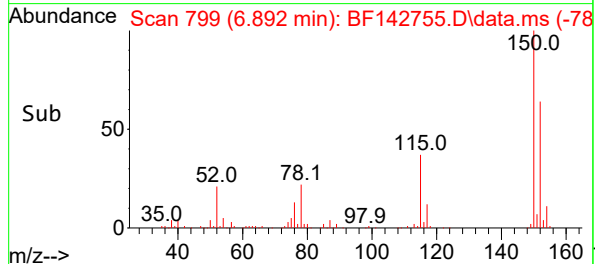
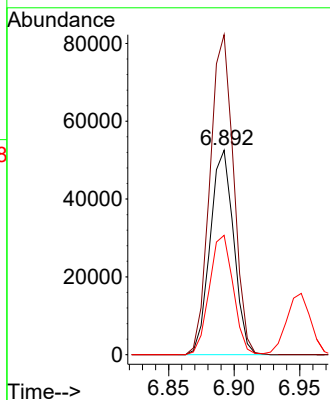
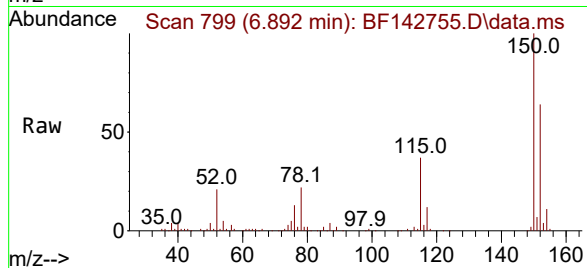




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 799
Delta R.T. -0.001 min
Lab File: BF142755.D
Acq: 12 Jun 2025 13:59

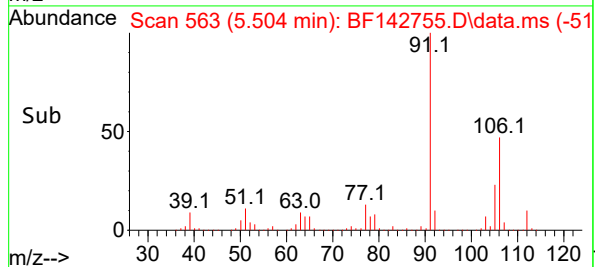
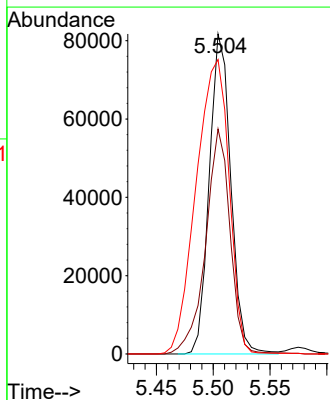
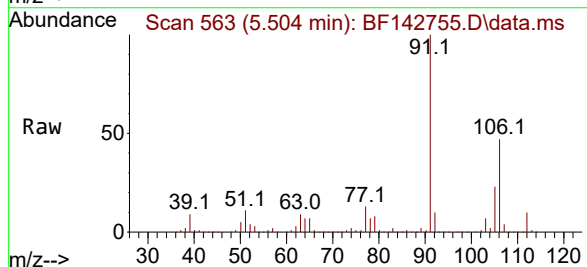
Instrument :
BNA_F
ClientSampleId :
MW-3-20250605DL

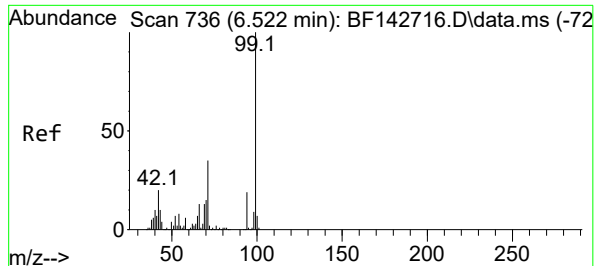
Tgt Ion:152 Resp: 65644
Ion Ratio Lower Upper
152 100
150 156.5 126.9 190.3
115 58.4 47.0 70.6



#5
2-Fluorophenol
Concen: 27.907 ng
RT: 5.504 min Scan# 563
Delta R.T. 0.000 min
Lab File: BF142755.D
Acq: 12 Jun 2025 13:59

Tgt Ion:112 Resp: 107560
Ion Ratio Lower Upper
112 100
64 70.3 47.4 71.2
63 92.0 25.4 38.0#

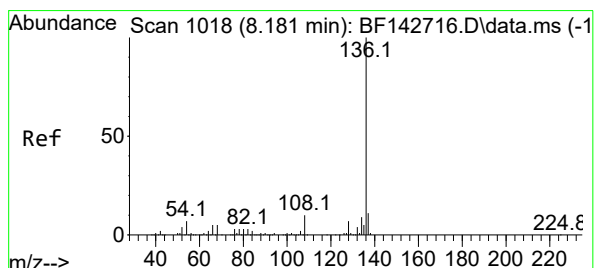
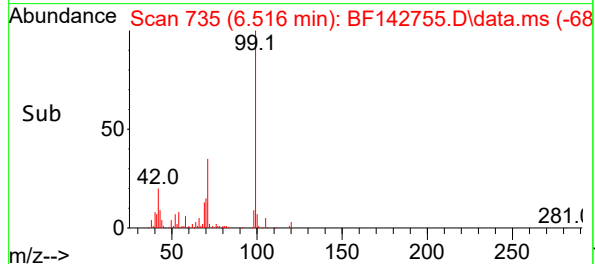
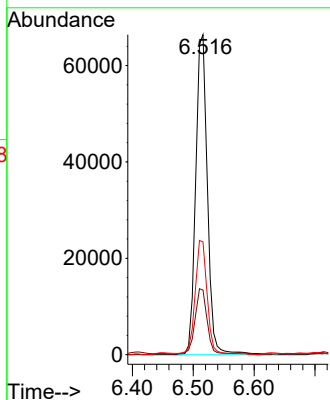
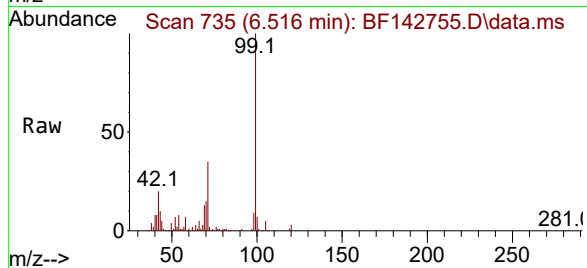




#7
Phenol-d6
Concen: 19.602 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142755.D
Acq: 12 Jun 2025 13:59

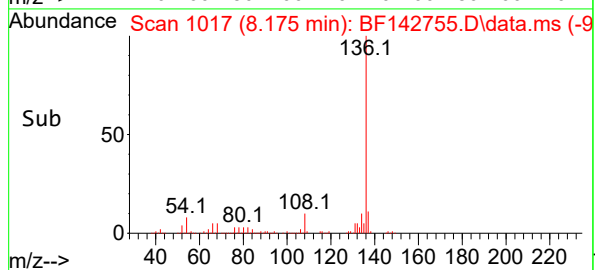
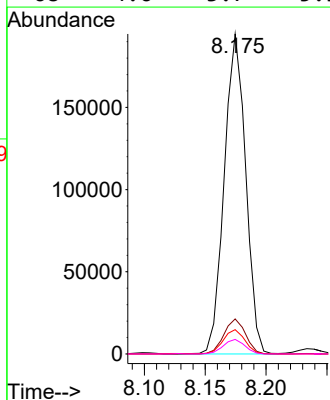
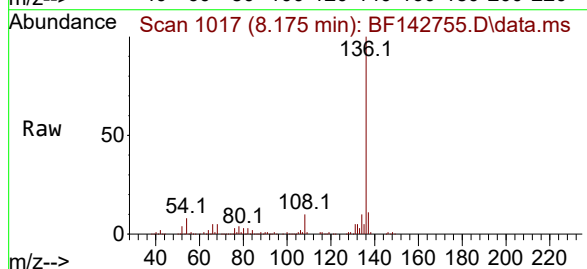
Instrument :
BNA_F
ClientSampleId :
MW-3-20250605DL

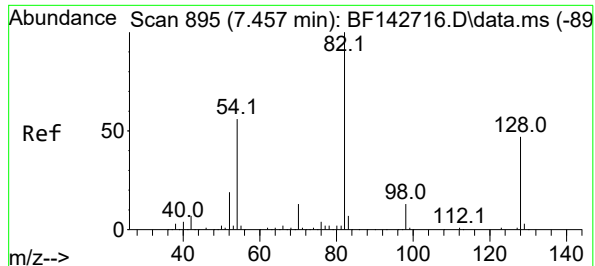
Tgt Ion	Ratio	Lower	Upper
99	100		
42	20.2	15.9	23.9
71	35.3	28.0	42.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF142755.D
Acq: 12 Jun 2025 13:59

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	7.6	5.9	8.9
68	4.6	3.7	5.5





#23

Nitrobenzene-d5

Concen: 43.197 ng

RT: 7.451 min Scan# 89

Delta R.T. -0.006 min

Lab File: BF142755.D

Acq: 12 Jun 2025 13:59

Instrument :

BNA_F

ClientSampleId :

MW-3-20250605DL

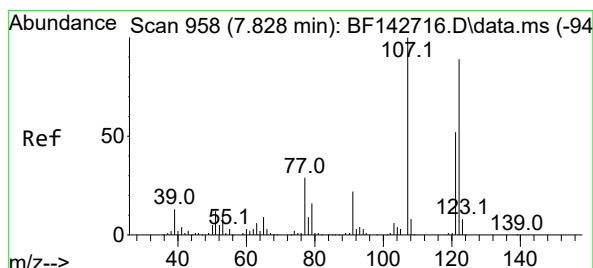
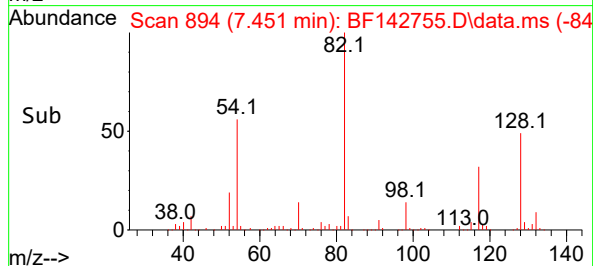
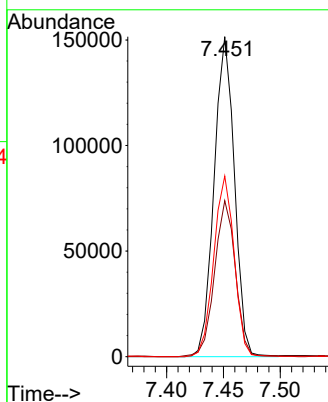
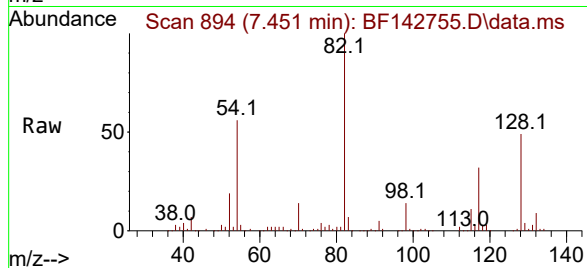
Tgt Ion: 82 Resp: 188909

Ion Ratio Lower Upper

82 100

128 48.8 37.8 56.8

54 56.5 44.9 67.3



#27

2,4-Dimethylphenol

Concen: 75.729 ng

RT: 7.839 min Scan# 960

Delta R.T. 0.012 min

Lab File: BF142755.D

Acq: 12 Jun 2025 13:59

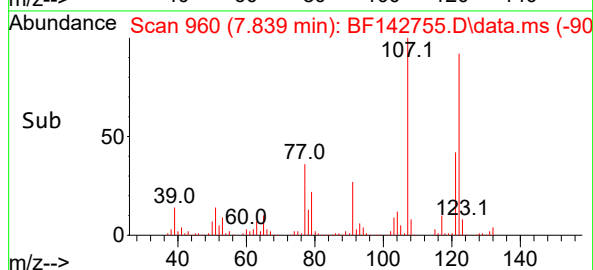
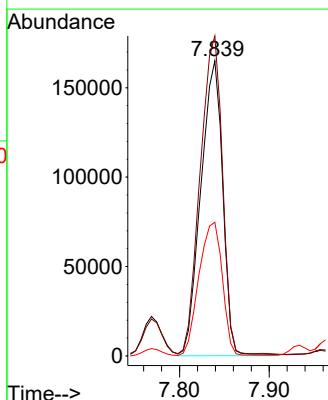
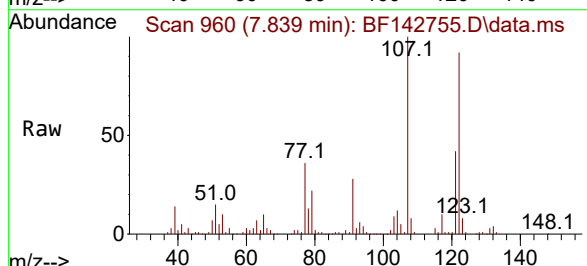
Tgt Ion:122 Resp: 279285

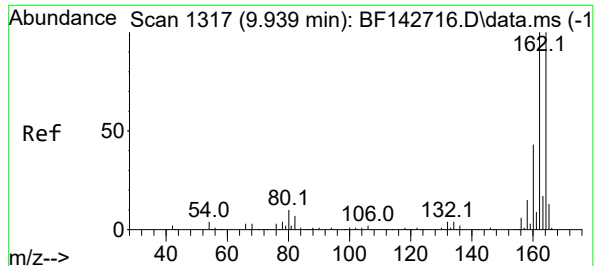
Ion Ratio Lower Upper

122 100

107 108.4 90.4 135.6

121 45.3 46.9 70.3#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.927 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF142755.D

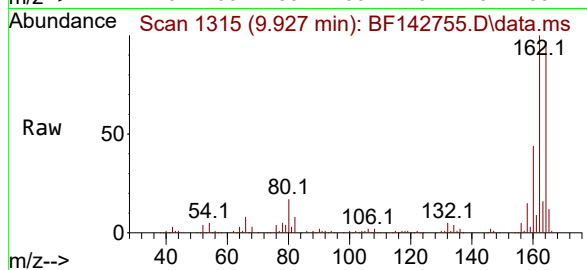
Acq: 12 Jun 2025 13:59

Instrument :

BNA_F

ClientSampleId :

MW-3-20250605DL



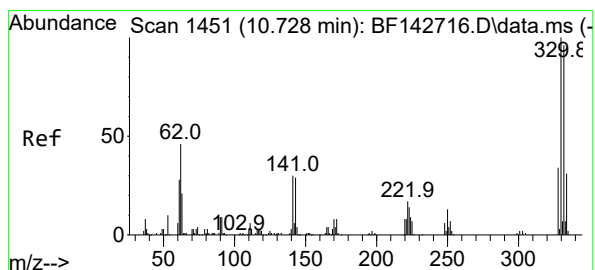
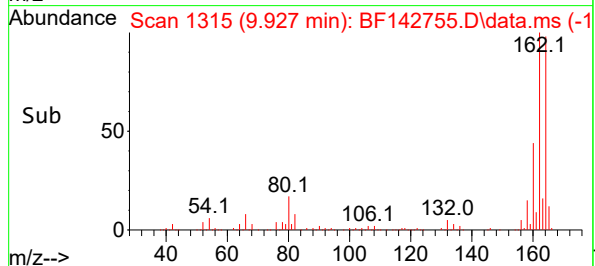
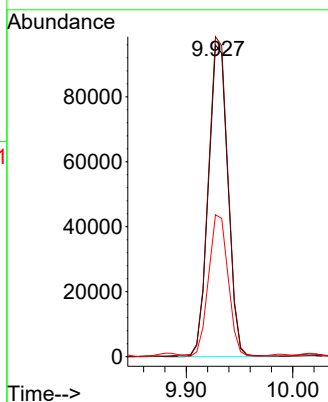
Tgt Ion:164 Resp: 121845

Ion Ratio Lower Upper

164 100

162 102.7 79.9 119.9

160 45.5 34.8 52.2



#42

2,4,6-Tribromophenol

Concen: 63.325 ng

RT: 10.722 min Scan# 1450

Delta R.T. -0.006 min

Lab File: BF142755.D

Acq: 12 Jun 2025 13:59

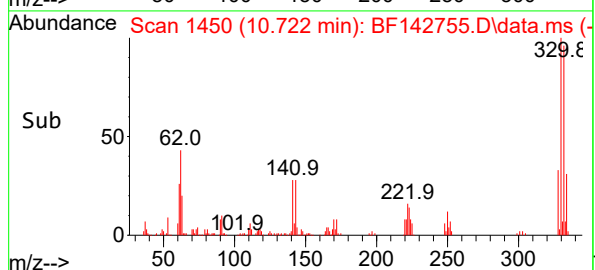
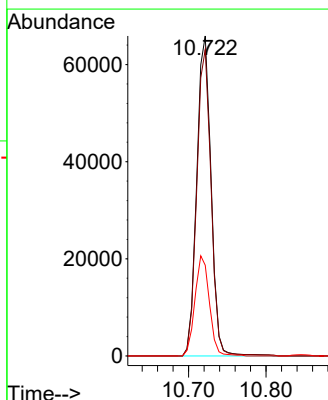
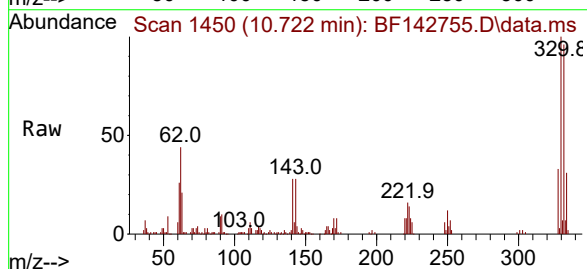
Tgt Ion:330 Resp: 84564

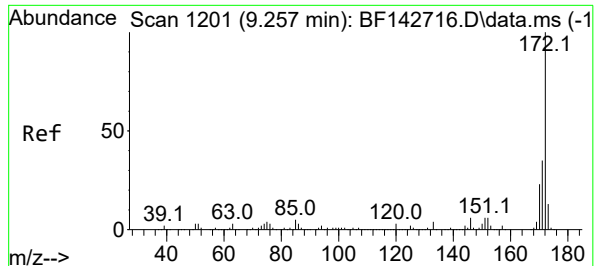
Ion Ratio Lower Upper

330 100

332 95.6 77.0 115.6

141 31.5 25.4 38.0





#45

2-Fluorobiphenyl

Concen: 46.784 ng

RT: 9.251 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142755.D

Acq: 12 Jun 2025 13:59

Instrument :

BNA_F

ClientSampleId :

MW-3-20250605DL

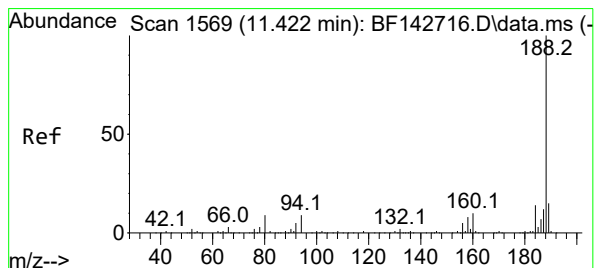
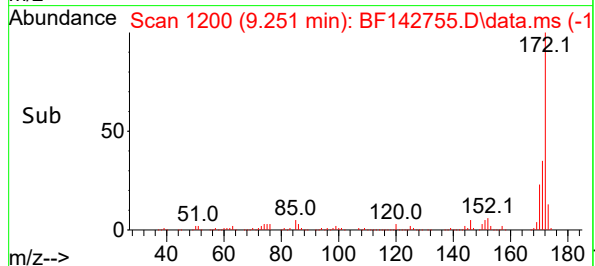
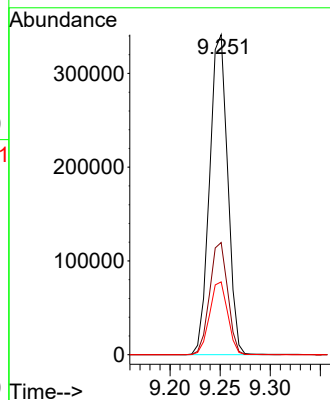
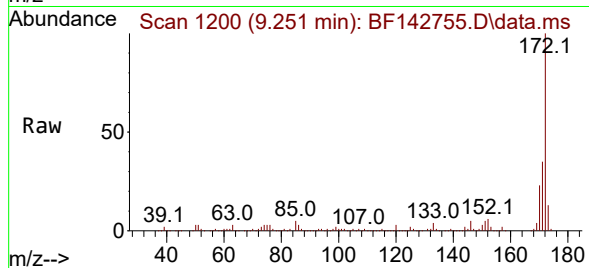
Tgt Ion:172 Resp: 429065

Ion Ratio Lower Upper

172 100

171 35.0 28.1 42.1

170 22.8 18.6 27.8



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.416 min Scan# 1568

Delta R.T. -0.006 min

Lab File: BF142755.D

Acq: 12 Jun 2025 13:59

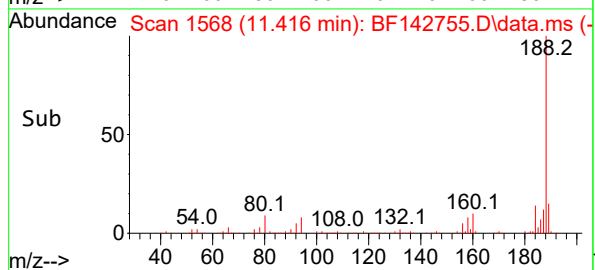
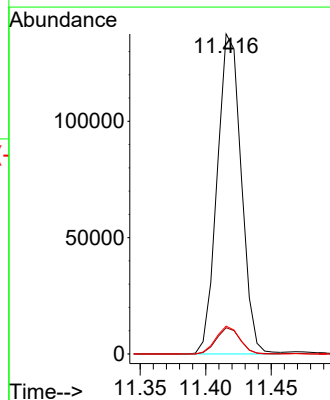
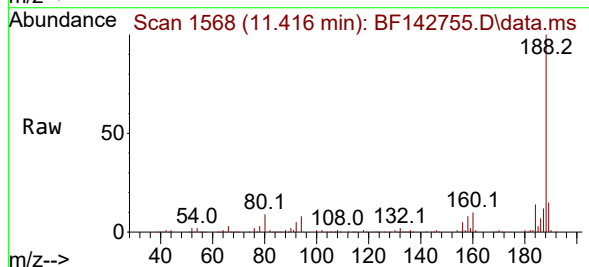
Tgt Ion:188 Resp: 175442

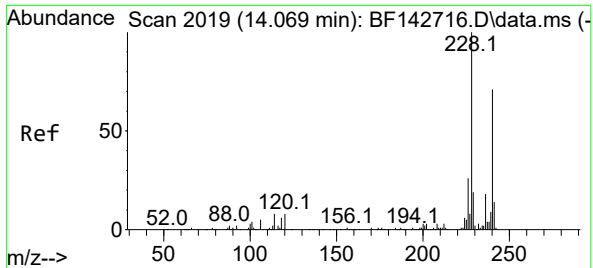
Ion Ratio Lower Upper

188 100

94 8.2 6.8 10.2

80 8.7 7.1 10.7

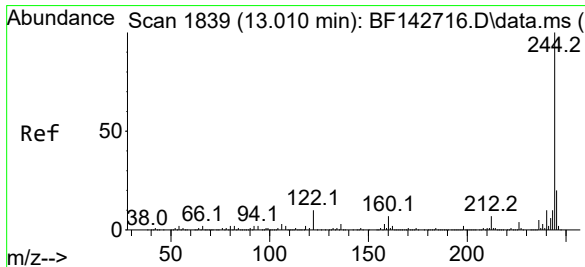
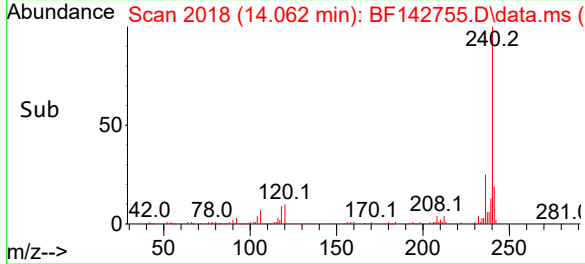
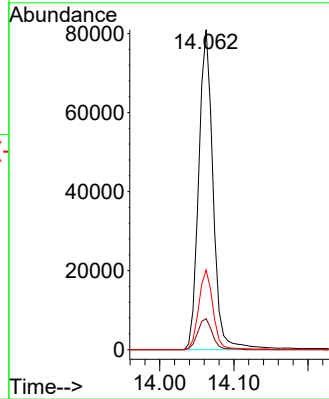
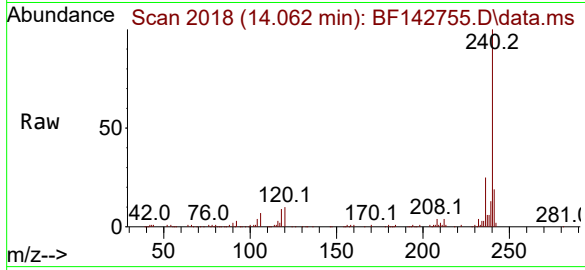




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.062 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF142755.D
Acq: 12 Jun 2025 13:59

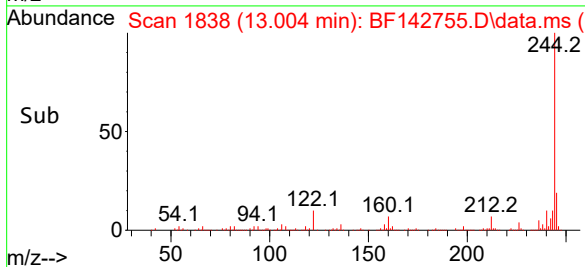
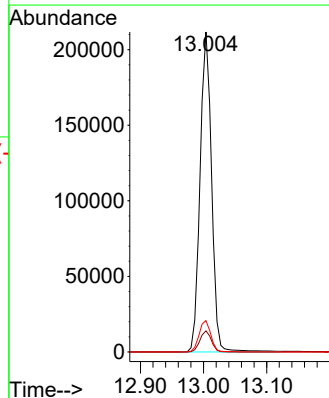
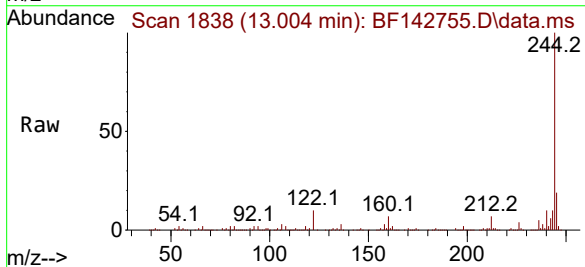
Instrument :
BNA_F
ClientSampleId :
MW-3-20250605DL

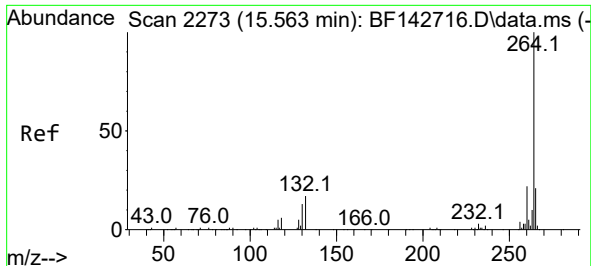
Tgt Ion:240 Resp: 109504
Ion Ratio Lower Upper
240 100
120 9.7 8.5 12.7
236 24.9 20.1 30.1



#79
Terphenyl-d14
Concen: 33.634 ng
RT: 13.004 min Scan# 1838
Delta R.T. -0.006 min
Lab File: BF142755.D
Acq: 12 Jun 2025 13:59

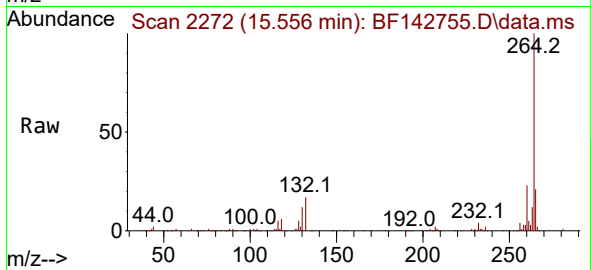
Tgt Ion:244 Resp: 268162
Ion Ratio Lower Upper
244 100
212 6.6 5.4 8.0
122 9.8 8.3 12.5





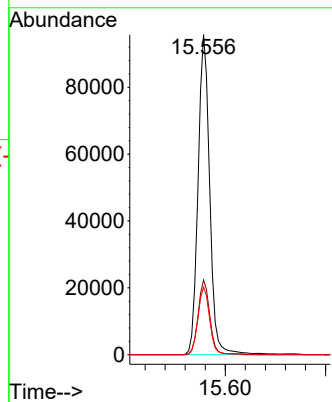
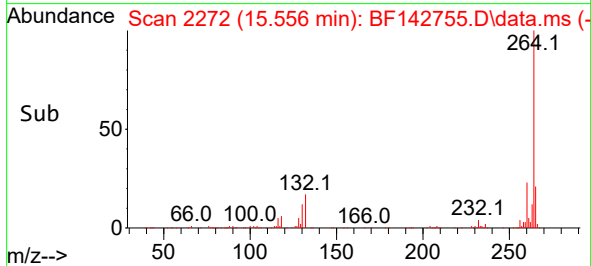
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.556 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF142755.D
Acq: 12 Jun 2025 13:59

Instrument :
BNA_F
ClientSampleId :
MW-3-20250605DL



Tgt Ion:264 Resp: 154313

Ion	Ratio	Lower	Upper
264	100		
260	23.4	17.8	26.6
265	21.1	16.6	25.0



Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	06/05/25
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	06/06/25
Client Sample ID:	FB-20250605	SDG No.:	Q2268
Lab Sample ID:	Q2268-10	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	970 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142733.D	1	06/10/25 08:10	06/11/25 14:21	PB168376

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	4.00	U	4.00	10.3	ug/L
108-95-2	Phenol	0.94	U	0.94	5.20	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.84	U	0.84	5.20	ug/L
95-57-8	2-Chlorophenol	0.60	U	0.60	5.20	ug/L
95-48-7	2-Methylphenol	1.20	U	1.20	5.20	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.30	U	1.30	5.20	ug/L
98-86-2	Acetophenone	0.76	U	0.76	5.20	ug/L
65794-96-9	3+4-Methylphenols	1.10	U	1.10	10.3	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.50	U	1.50	2.60	ug/L
67-72-1	Hexachloroethane	0.67	U	0.67	5.20	ug/L
98-95-3	Nitrobenzene	0.78	U	0.78	5.20	ug/L
78-59-1	Isophorone	0.77	U	0.77	5.20	ug/L
88-75-5	2-Nitrophenol	1.80	U	1.80	5.20	ug/L
105-67-9	2,4-Dimethylphenol	1.90	U	1.90	5.20	ug/L
111-91-1	bis(2-Chloroethoxy)methane	0.70	U	0.70	5.20	ug/L
120-83-2	2,4-Dichlorophenol	0.54	U	0.54	5.20	ug/L
91-20-3	Naphthalene	0.52	U	0.52	5.20	ug/L
106-47-8	4-Chloroaniline	0.87	U	0.87	5.20	ug/L
87-68-3	Hexachlorobutadiene	0.56	U	0.56	5.20	ug/L
105-60-2	Caprolactam	1.20	U	1.20	10.3	ug/L
59-50-7	4-Chloro-3-methylphenol	0.61	U	0.61	5.20	ug/L
91-57-6	2-Methylnaphthalene	0.58	U	0.58	5.20	ug/L
77-47-4	Hexachlorocyclopentadiene	3.70	U	3.70	10.3	ug/L
88-06-2	2,4,6-Trichlorophenol	0.53	U	0.53	5.20	ug/L
95-95-4	2,4,5-Trichlorophenol	0.64	U	0.64	5.20	ug/L
92-52-4	1,1-Biphenyl	0.55	U	0.55	5.20	ug/L
91-58-7	2-Chloronaphthalene	0.63	U	0.63	5.20	ug/L
88-74-4	2-Nitroaniline	1.30	U	1.30	5.20	ug/L
131-11-3	Dimethylphthalate	0.63	U	0.63	5.20	ug/L

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	06/05/25
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	06/06/25
Client Sample ID:	FB-20250605	SDG No.:	Q2268
Lab Sample ID:	Q2268-10	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	970 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142733.D	1	06/10/25 08:10	06/11/25 14:21	PB168376

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	0.77	U	0.77	5.20	ug/L
606-20-2	2,6-Dinitrotoluene	0.95	U	0.95	5.20	ug/L
99-09-2	3-Nitroaniline	1.10	U	1.10	5.20	ug/L
83-32-9	Acenaphthene	0.57	U	0.57	5.20	ug/L
51-28-5	2,4-Dinitrophenol	6.20	U	6.20	10.3	ug/L
100-02-7	4-Nitrophenol	2.50	U	2.50	10.3	ug/L
132-64-9	Dibenzofuran	0.63	U	0.63	5.20	ug/L
121-14-2	2,4-Dinitrotoluene	1.30	U	1.30	5.20	ug/L
84-66-2	Diethylphthalate	0.71	U	0.71	5.20	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.70	U	0.70	5.20	ug/L
86-73-7	Fluorene	0.65	U	0.65	5.20	ug/L
100-01-6	4-Nitroaniline	1.50	U	1.50	5.20	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.00	U	3.00	10.3	ug/L
86-30-6	n-Nitrosodiphenylamine	0.60	U	0.60	5.20	ug/L
101-55-3	4-Bromophenyl-phenylether	0.41	U	0.41	5.20	ug/L
118-74-1	Hexachlorobenzene	0.54	U	0.54	5.20	ug/L
1912-24-9	Atrazine	1.00	U	1.00	5.20	ug/L
87-86-5	Pentachlorophenol	1.60	U	1.60	10.3	ug/L
85-01-8	Phenanthrene	0.52	U	0.52	5.20	ug/L
120-12-7	Anthracene	0.63	U	0.63	5.20	ug/L
86-74-8	Carbazole	0.74	U	0.74	5.20	ug/L
84-74-2	Di-n-butylphthalate	1.30	U	1.30	5.20	ug/L
206-44-0	Fluoranthene	0.85	U	0.85	5.20	ug/L
129-00-0	Pyrene	0.52	U	0.52	5.20	ug/L
85-68-7	Butylbenzylphthalate	2.00	U	2.00	5.20	ug/L
91-94-1	3,3-Dichlorobenzidine	0.96	U	0.96	10.3	ug/L
56-55-3	Benzo(a)anthracene	0.46	U	0.46	5.20	ug/L
218-01-9	Chrysene	0.45	U	0.45	5.20	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.60	U	1.60	5.20	ug/L
117-84-0	Di-n-octyl phthalate	2.40	U	2.40	10.3	ug/L
205-99-2	Benzo(b)fluoranthene	0.51	U	0.51	5.20	ug/L

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	06/05/25
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	06/06/25
Client Sample ID:	FB-20250605	SDG No.:	Q2268
Lab Sample ID:	Q2268-10	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	970 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142733.D	1	06/10/25 08:10	06/11/25 14:21	PB168376

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	0.49	U	0.49	5.20	ug/L
50-32-8	Benzo(a)pyrene	0.57	U	0.57	5.20	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.61	U	0.61	5.20	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.69	U	0.69	5.20	ug/L
191-24-2	Benzo(g,h,i)perylene	0.71	U	0.71	5.20	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	0.54	U	0.54	5.20	ug/L
123-91-1	1,4-Dioxane	1.00	U	1.00	5.20	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.74	U	0.74	5.20	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	56.0		23 - 138	37%	SPK: 150
13127-88-3	Phenol-d6	32.8		10 - 134	22%	SPK: 150
4165-60-0	Nitrobenzene-d5	82.9		67 - 132	83%	SPK: 100
321-60-8	2-Fluorobiphenyl	85.5		52 - 132	86%	SPK: 100
118-79-6	2,4,6-Tribromophenol	118		44 - 137	79%	SPK: 150
1718-51-0	Terphenyl-d14	66.6		42 - 152	67%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	56900	6.892			
1146-65-2	Naphthalene-d8	209000	8.175			
15067-26-2	Acenaphthene-d10	105000	9.933			
1517-22-2	Phenanthrene-d10	167000	11.422			
1719-03-5	Chrysene-d12	136000	14.068			
1520-96-3	Perylene-d12	154000	15.562			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	9.10	AB		5.10	ug/L
055956-25-7	2-Propanol, 1-[1-methyl-2-(2-prope	5.60	J		8.39	ug/L
000106-62-7	1-Propanol, 2-(2-hydroxypropoxy)-	8.40	J		8.42	ug/L
000126-86-3	2,4,7,9-Tetramethyl-5-decyn-4,7-di	3.40	J		9.36	ug/L
	unknown17.580	8.60	J		17.6	ug/L

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.		Date Collected:	06/05/25
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05		Date Received:	06/06/25
Client Sample ID:	FB-20250605		SDG No.:	Q2268
Lab Sample ID:	Q2268-10		Matrix:	Water
Analytical Method:	8270E		% Solid:	0
Sample Wt/Vol:	970	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOCMS Group1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142733.D	1	06/10/25 08:10	06/11/25 14:21	PB168376

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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\BF061125\
Data File : BF142733.D
Acq On : 11 Jun 2025 14:21
Operator : RC/JU
Sample : Q2268-10
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FB-20250605

Quant Time: Jun 11 15:02:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 11 05:56:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	56877	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	208595	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	105257	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	167256	20.000	ng	0.00
76) Chrysene-d12	14.068	240	135665	20.000	ng	0.00
86) Perylene-d12	15.562	264	154126	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	187042	56.008	ng	0.00
7) Phenol-d6	6.510	99	128846	32.784	ng	-0.01
23) Nitrobenzene-d5	7.451	82	316144	82.945	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	136374	118.216	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	677554	85.521	ng	0.00
79) Terphenyl-d14	13.010	244	658313	66.646	ng	0.00

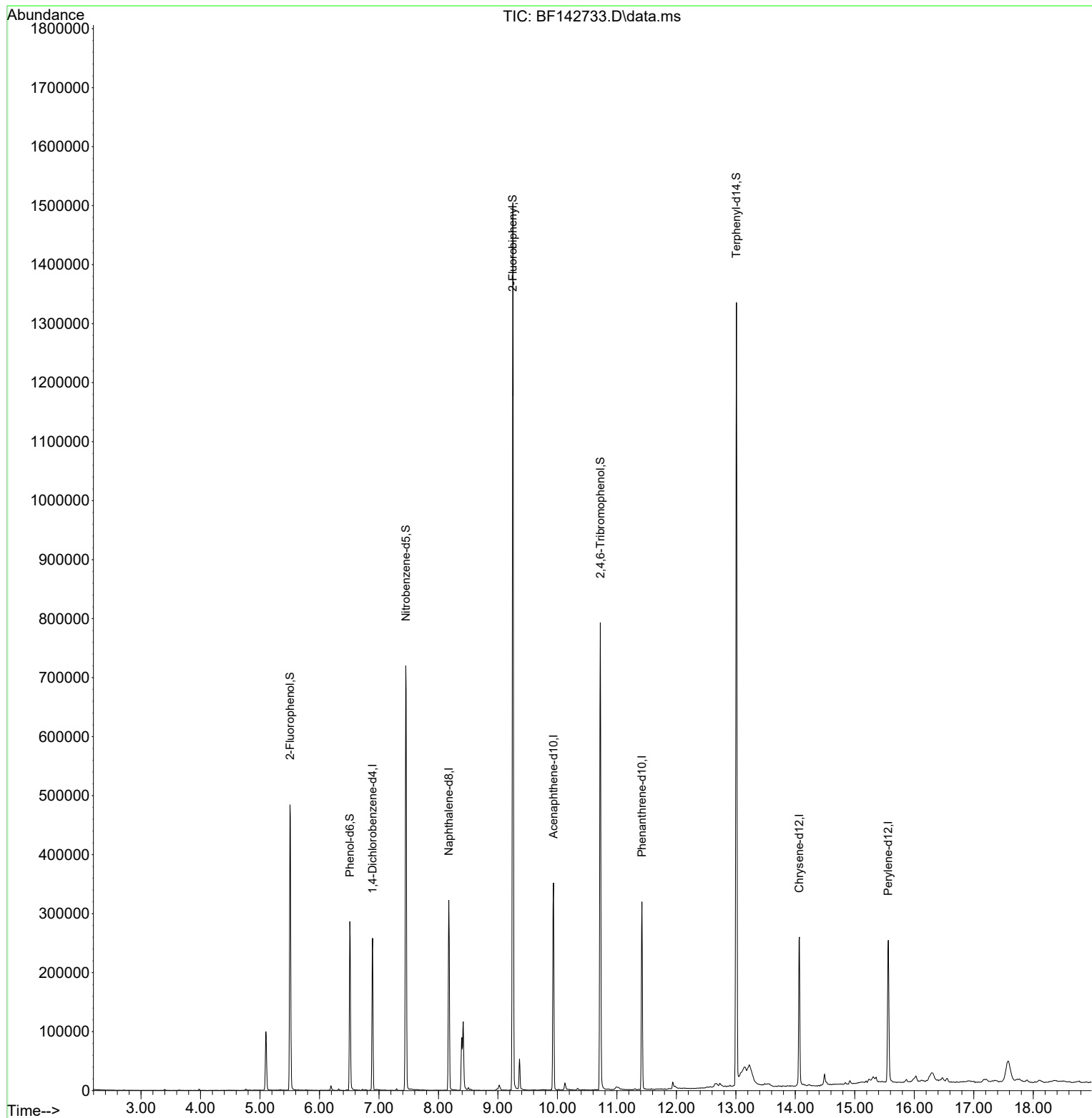
Target Compounds	Qvalue

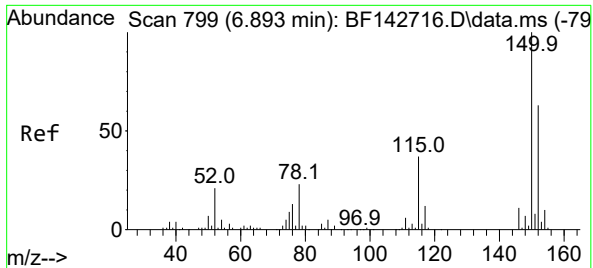
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142733.D
Acq On : 11 Jun 2025 14:21
Operator : RC/JU
Sample : Q2268-10
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FB-20250605

Quant Time: Jun 11 15:02:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 11 05:56:09 2025
Response via : Initial Calibration

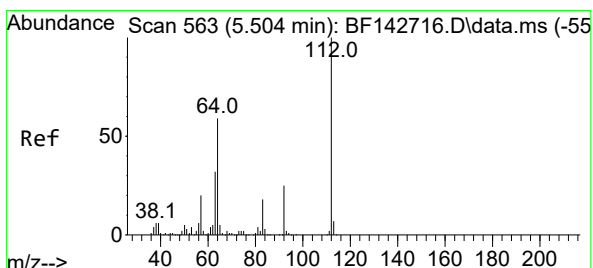
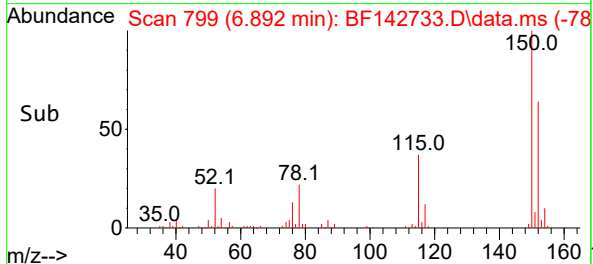
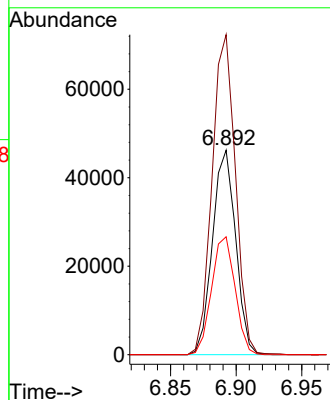
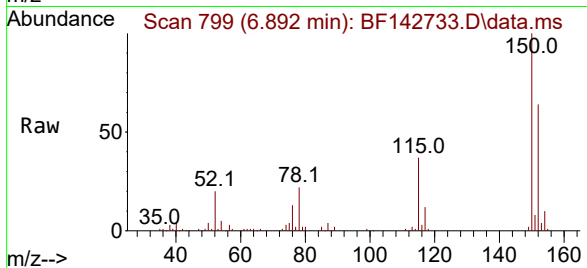




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 799
Delta R.T. -0.001 min
Lab File: BF142733.D
Acq: 11 Jun 2025 14:21

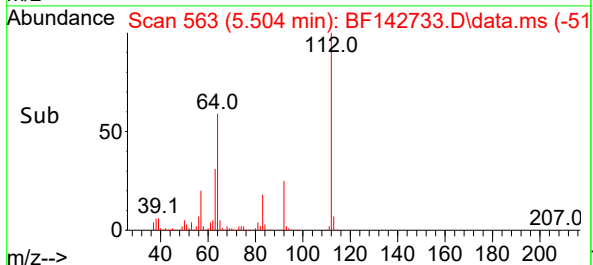
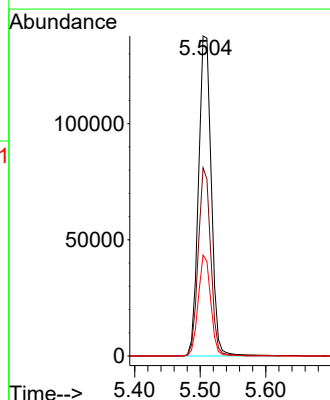
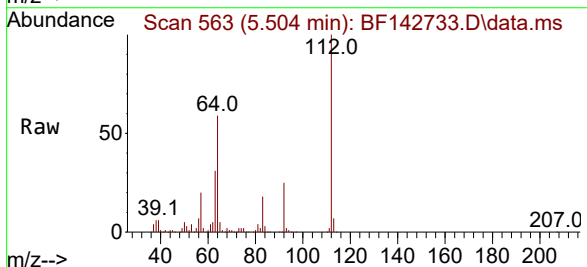
Instrument :
BNA_F
ClientSampleId :
FB-20250605

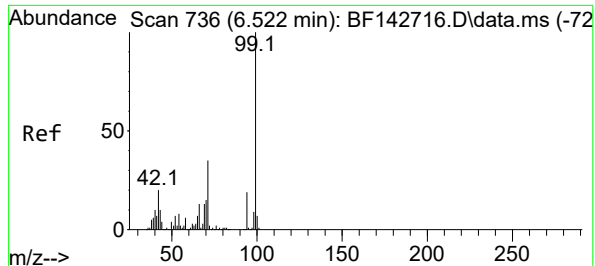
Tgt Ion:152 Resp: 56877
Ion Ratio Lower Upper
152 100
150 156.5 126.9 190.3
115 57.7 47.0 70.6



#5
2-Fluorophenol
Concen: 56.008 ng
RT: 5.504 min Scan# 563
Delta R.T. 0.000 min
Lab File: BF142733.D
Acq: 11 Jun 2025 14:21

Tgt Ion:112 Resp: 187042
Ion Ratio Lower Upper
112 100
64 58.8 47.4 71.2
63 31.5 25.4 38.0

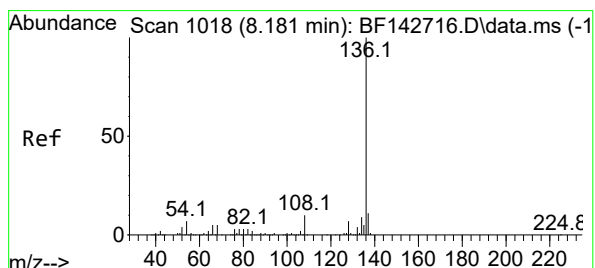
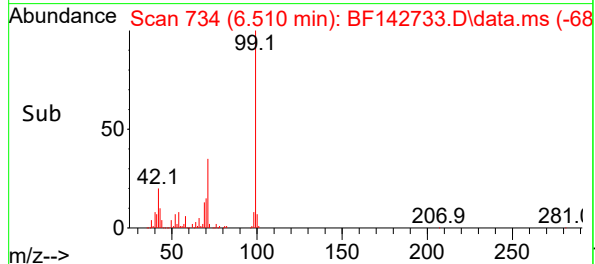
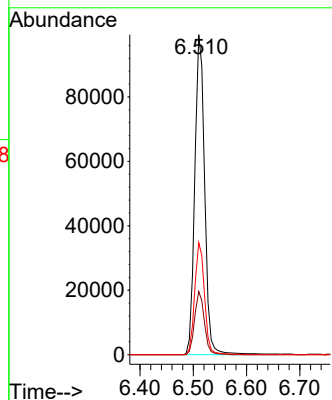
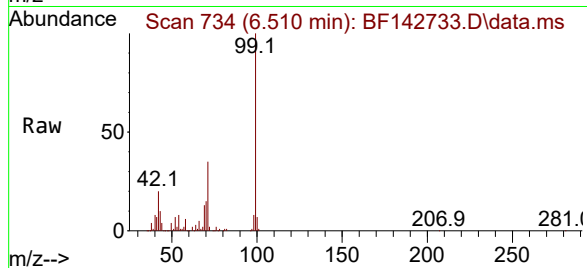




#7
Phenol-d6
Concen: 32.784 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF142733.D
Acq: 11 Jun 2025 14:21

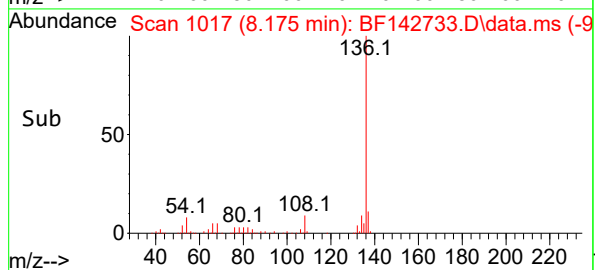
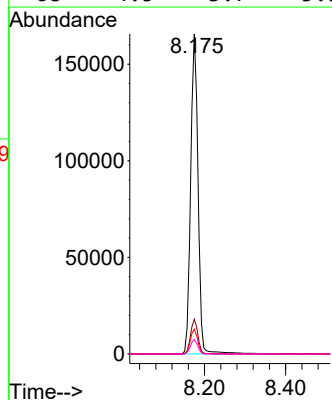
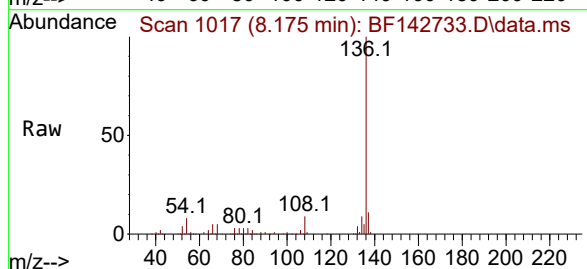
Instrument :
BNA_F
ClientSampleId :
FB-20250605

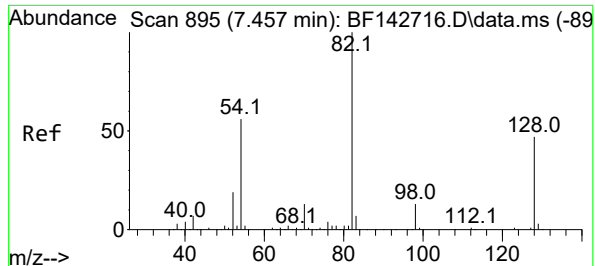
Tgt Ion: 99 Resp: 128846
Ion Ratio Lower Upper
99 100
42 19.7 15.9 23.9
71 35.0 28.0 42.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF142733.D
Acq: 11 Jun 2025 14:21

Tgt Ion: 136 Resp: 208595
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 7.8 5.9 8.9
68 4.5 3.7 5.5





#23

Nitrobenzene-d5

Concen: 82.945 ng

RT: 7.451 min Scan# 89

Delta R.T. -0.006 min

Lab File: BF142733.D

Acq: 11 Jun 2025 14:21

Instrument :

BNA_F

ClientSampleId :

FB-20250605

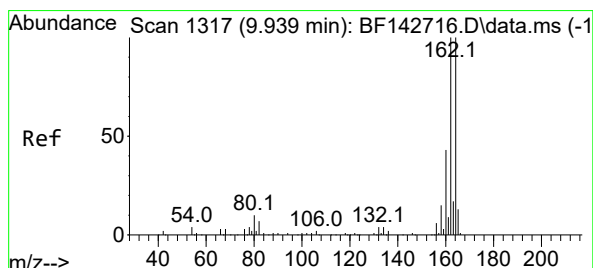
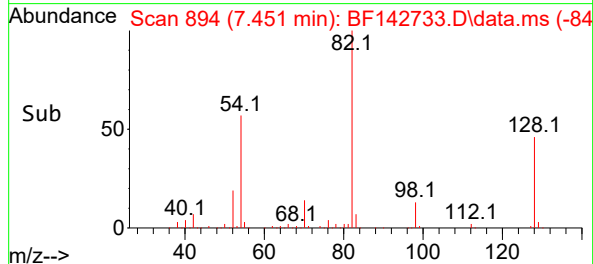
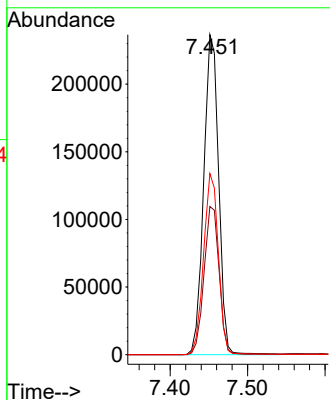
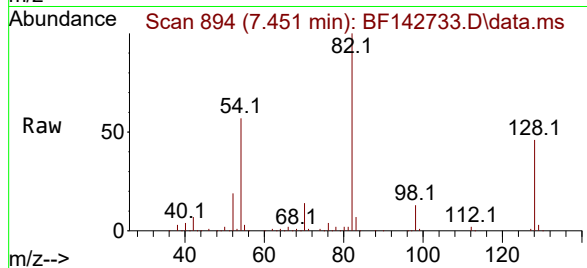
Tgt Ion: 82 Resp: 316144

Ion Ratio Lower Upper

82 100

128 46.3 37.8 56.8

54 56.6 44.9 67.3



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.933 min Scan# 1316

Delta R.T. -0.006 min

Lab File: BF142733.D

Acq: 11 Jun 2025 14:21

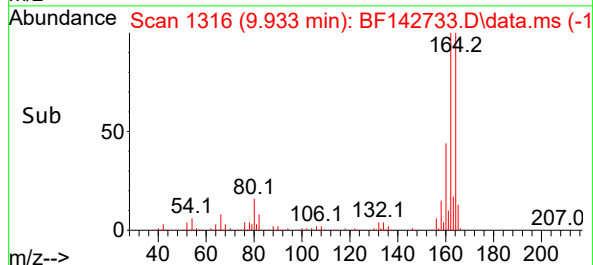
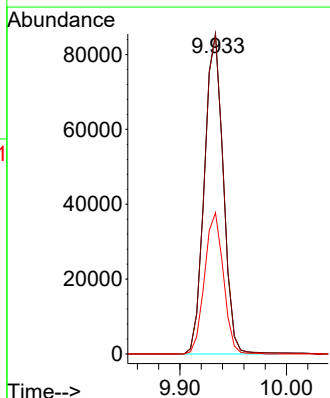
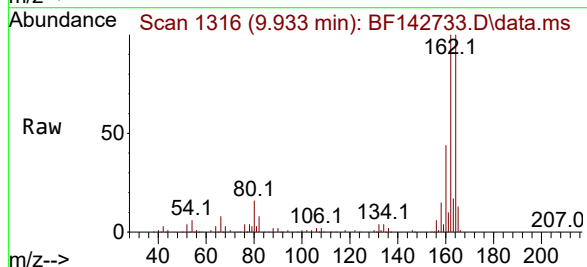
Tgt Ion:164 Resp: 105257

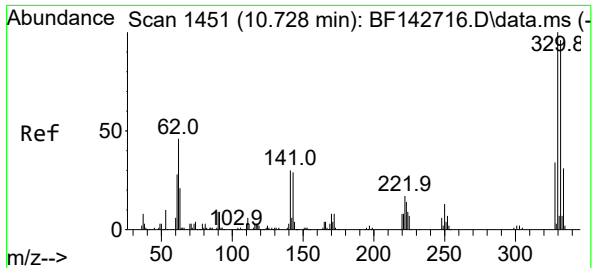
Ion Ratio Lower Upper

164 100

162 99.9 79.9 119.9

160 44.2 34.8 52.2





#42

2,4,6-Tribromophenol

Concen: 118.216 ng

RT: 10.722 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF142733.D

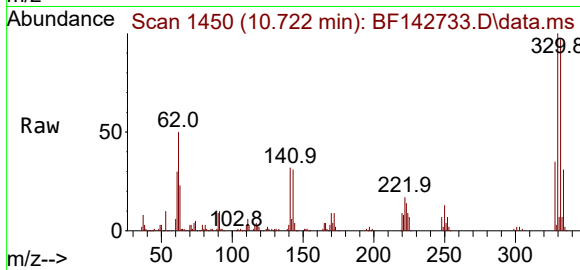
Acq: 11 Jun 2025 14:21

Instrument :

BNA_F

ClientSampleId :

FB-20250605



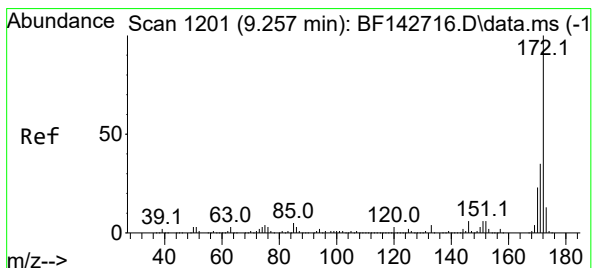
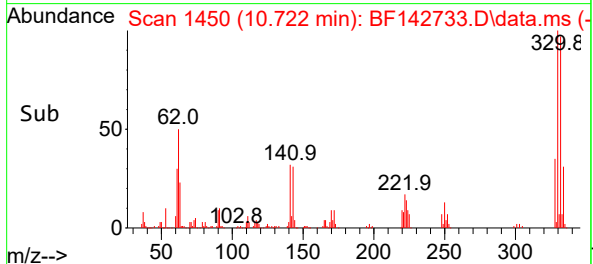
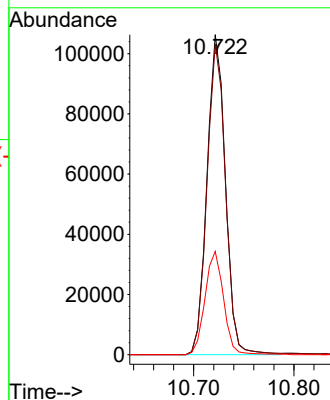
Tgt Ion:330 Resp: 136374

Ion Ratio Lower Upper

330 100

332 98.4 77.0 115.6

141 32.5 25.4 38.0



#45

2-Fluorobiphenyl

Concen: 85.521 ng

RT: 9.251 min Scan# 1200

Delta R.T. -0.006 min

Lab File: BF142733.D

Acq: 11 Jun 2025 14:21

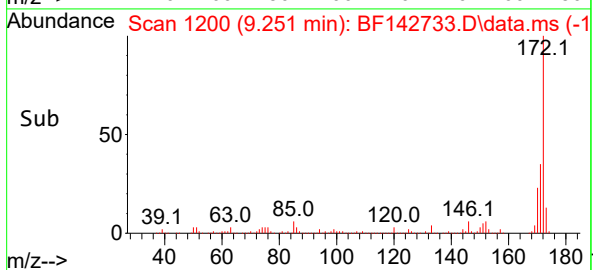
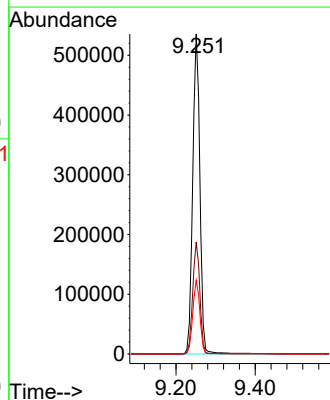
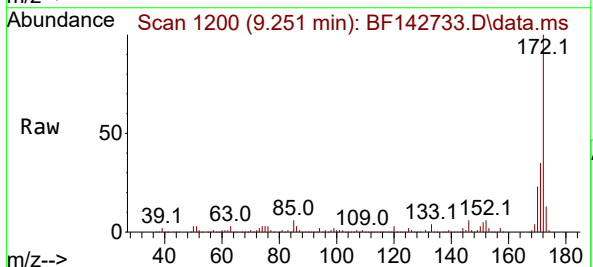
Tgt Ion:172 Resp: 677554

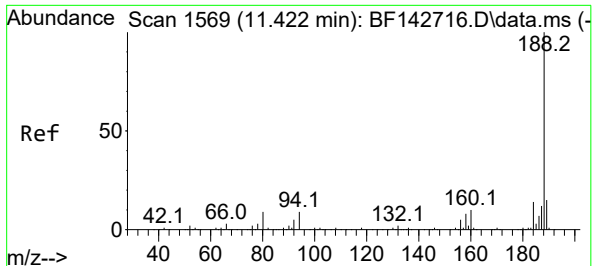
Ion Ratio Lower Upper

172 100

171 35.0 28.1 42.1

170 23.0 18.6 27.8

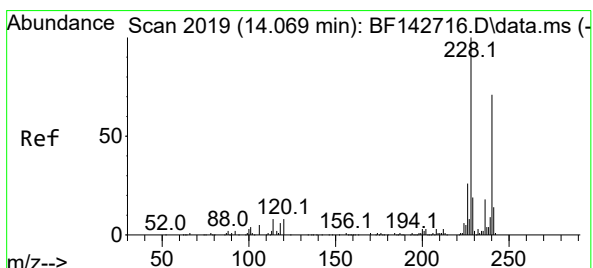
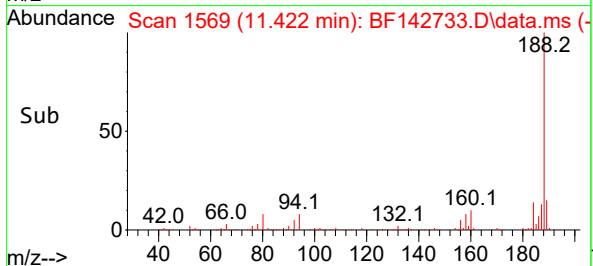
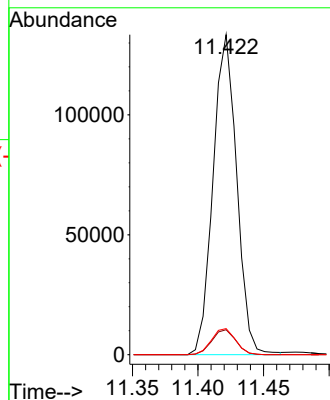
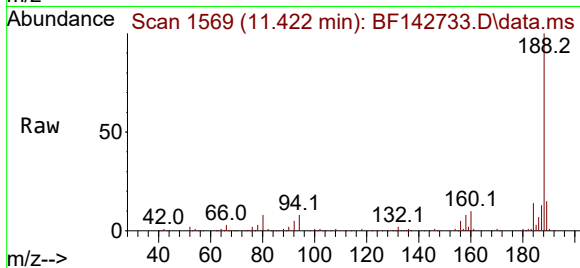




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1569
Delta R.T. -0.000 min
Lab File: BF142733.D
Acq: 11 Jun 2025 14:21

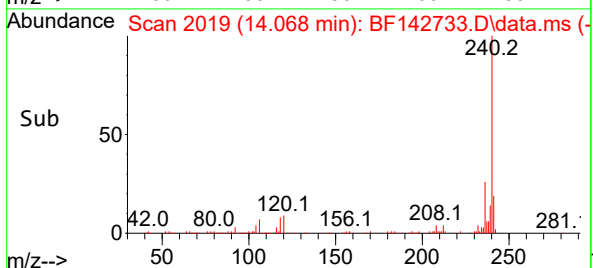
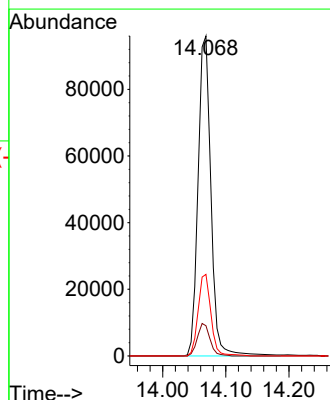
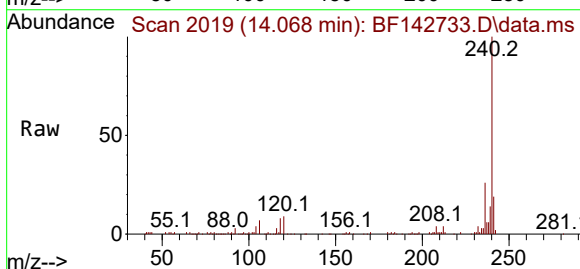
Instrument :
BNA_F
ClientSampleId :
FB-20250605

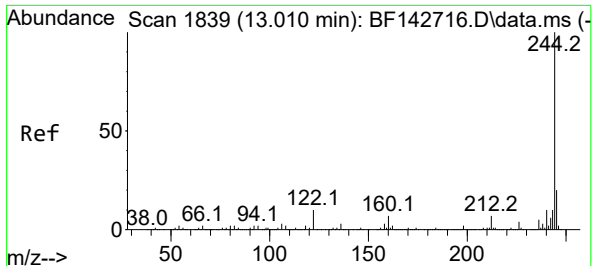
Tgt Ion:188 Resp: 167256
Ion Ratio Lower Upper
188 100
94 7.8 6.8 10.2
80 8.2 7.1 10.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.000 min
Lab File: BF142733.D
Acq: 11 Jun 2025 14:21

Tgt Ion:240 Resp: 135665
Ion Ratio Lower Upper
240 100
120 9.5 8.5 12.7
236 25.5 20.1 30.1





#79

Terphenyl-d14

Concen: 66.646 ng

RT: 13.010 min Scan# 1839

Delta R.T. -0.000 min

Lab File: BF142733.D

Acq: 11 Jun 2025 14:21

Instrument :

BNA_F

ClientSampleId :

FB-20250605

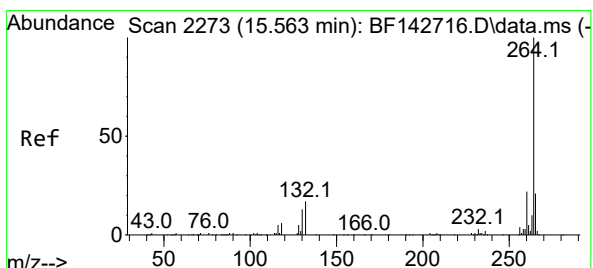
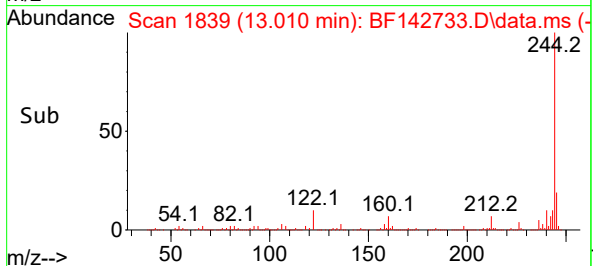
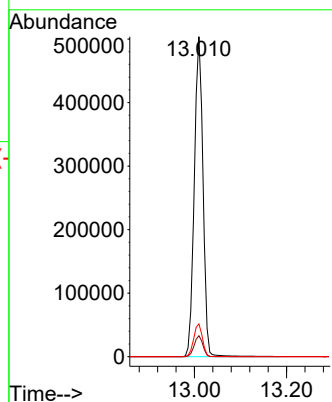
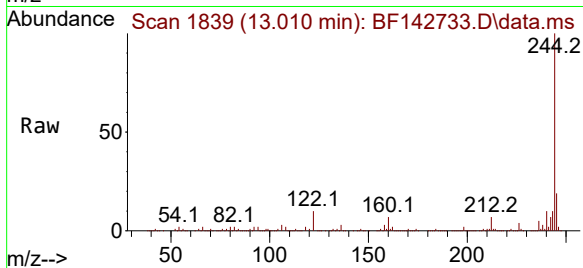
Tgt Ion:244 Resp: 658313

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

122 10.2 8.3 12.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.562 min Scan# 2273

Delta R.T. -0.000 min

Lab File: BF142733.D

Acq: 11 Jun 2025 14:21

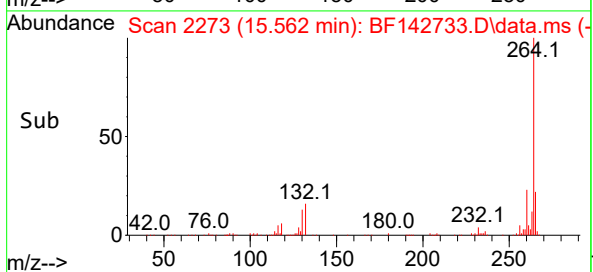
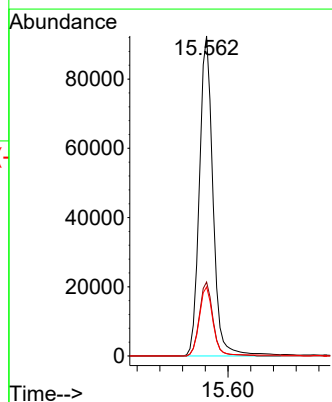
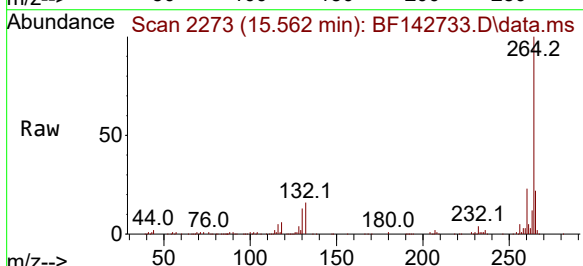
Tgt Ion:264 Resp: 154126

Ion Ratio Lower Upper

264 100

260 23.1 17.8 26.6

265 21.6 16.6 25.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
 Data File : BF142733.D
 Acq On : 11 Jun 2025 14:21
 Operator : RC/JU
 Sample : Q2268-10
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FB-20250605

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-BF061125.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142733.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.098	487	494	507	rBV	99350	140728	7.57%	1.473%
2	5.504	558	563	576	rBV	483696	642072	34.53%	6.722%
3	6.510	729	734	745	rBV	285825	365493	19.66%	3.826%
4	6.892	794	799	804	rBV	257627	319446	17.18%	3.344%
5	7.451	888	894	899	rBV	719396	954491	51.33%	9.993%
6	8.175	1012	1017	1031	rBV	322104	395527	21.27%	4.141%
7	8.392	1049	1054	1055	rBV	89354	106609	5.73%	1.116%
8	8.416	1055	1058	1069	rVB	115458	161836	8.70%	1.694%
9	9.251	1194	1200	1205	rBV	1504317	1859340	100.00%	19.466%
10	9.363	1214	1219	1232	rVB	52370	70031	3.77%	0.733%
11	9.933	1311	1316	1327	rVB	351020	431203	23.19%	4.514%
12	10.127	1343	1349	1356	rBV2	11252	18762	1.01%	0.196%
13	10.722	1445	1450	1466	rBV	791911	1018146	54.76%	10.659%
14	11.422	1564	1569	1576	rBV	318312	396523	21.33%	4.151%
15	13.010	1833	1839	1844	rBV	1327062	1728199	92.95%	18.093%
16	14.068	2011	2019	2028	rBV	251295	352862	18.98%	3.694%
17	14.492	2085	2091	2095	rBV2	16969	29539	1.59%	0.309%
18	15.562	2267	2273	2289	rVB	240458	396010	21.30%	4.146%
19	17.580	2605	2616	2635	rVB6	32566	165141	8.88%	1.729%

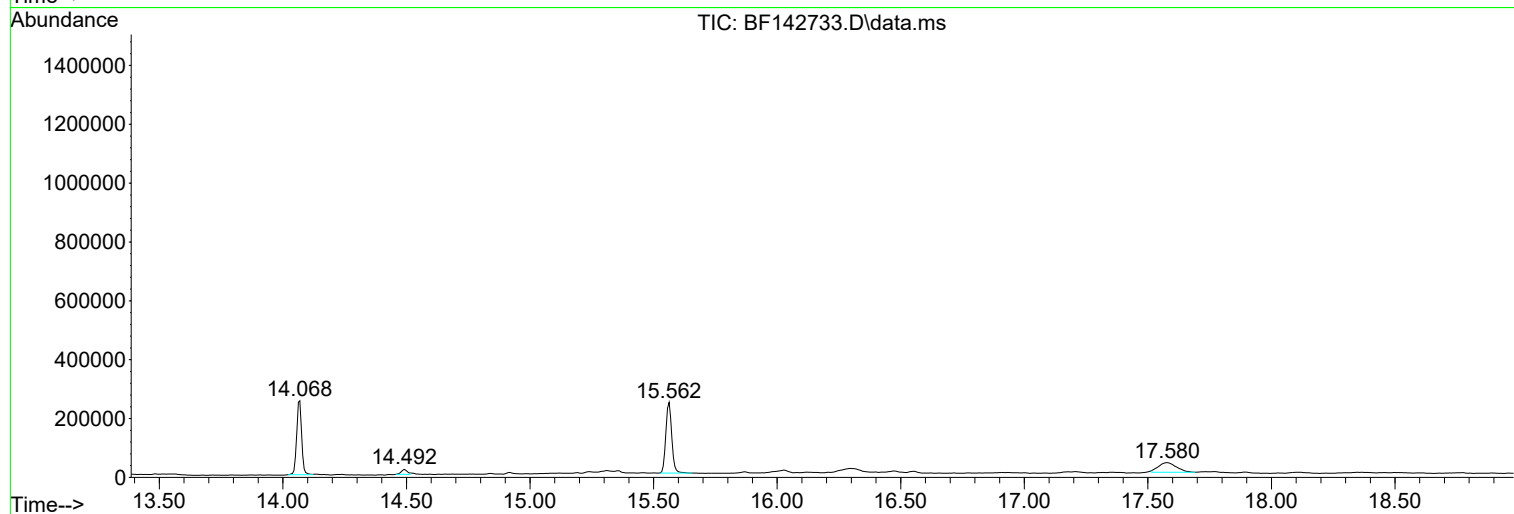
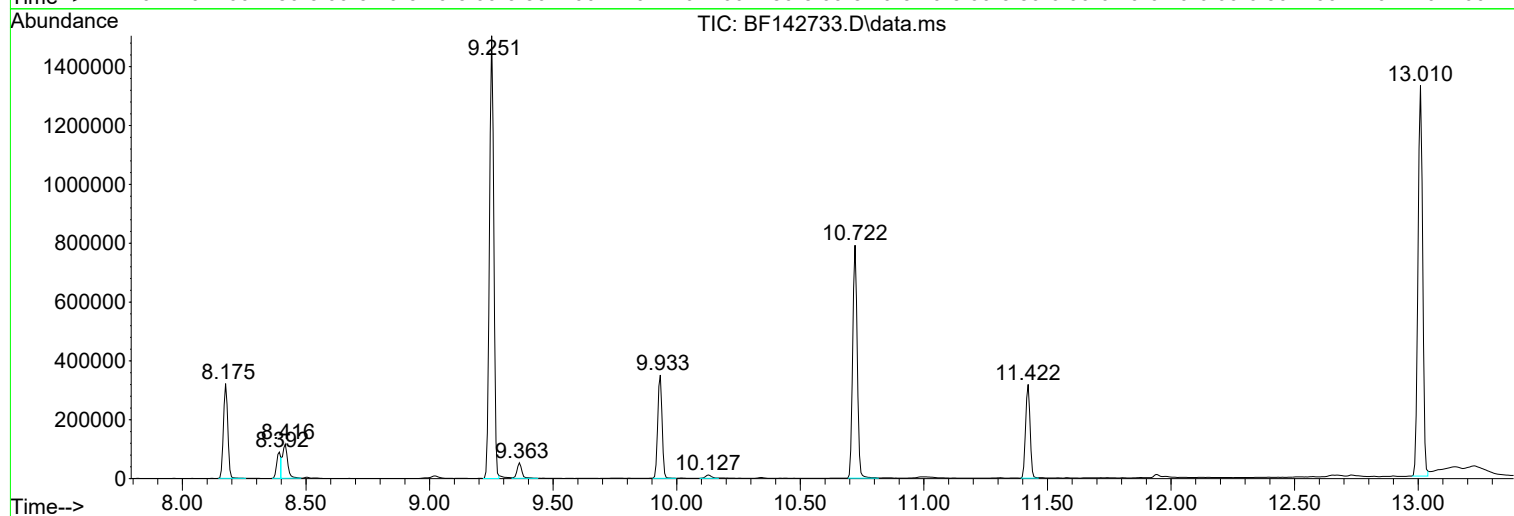
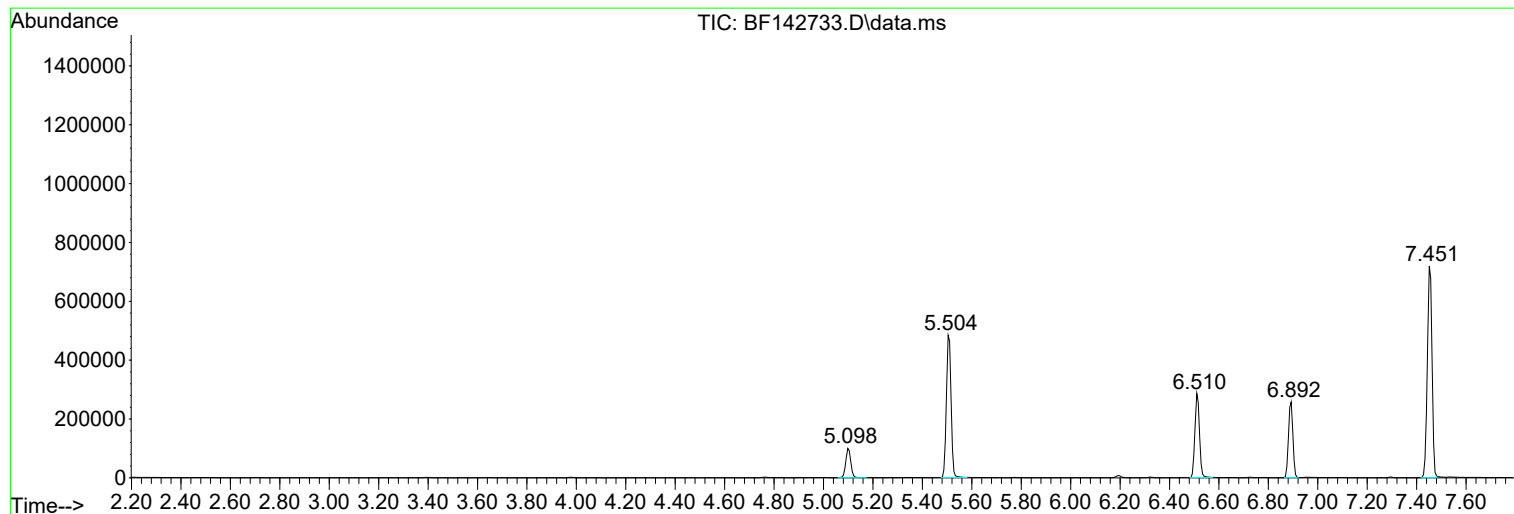
Sum of corrected areas: 9551958

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142733.D
Acq On : 11 Jun 2025 14:21
Operator : RC/JU
Sample : Q2268-10
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FB-20250605

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.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\BF061125\
Data File : BF142733.D
Acq On : 11 Jun 2025 14:21
Operator : RC/JU
Sample : Q2268-10
Misc :
ALS Vial : 12 Sample Multiplier: 1

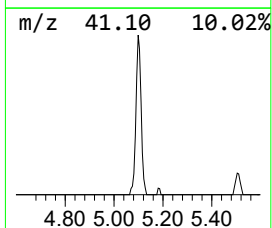
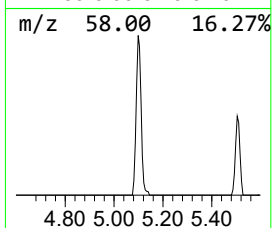
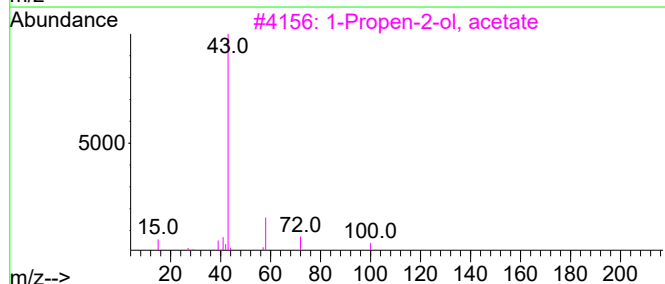
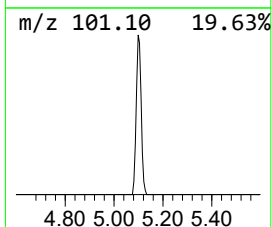
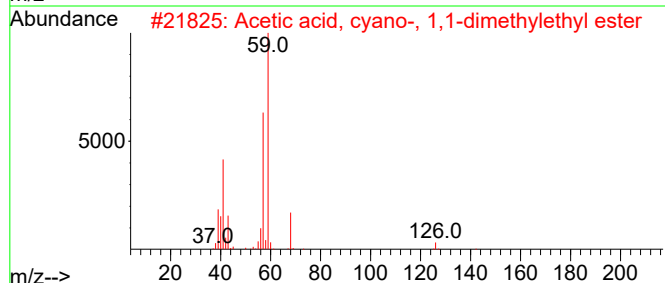
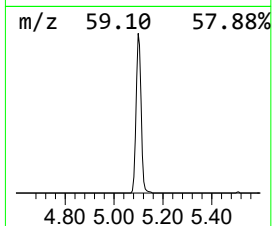
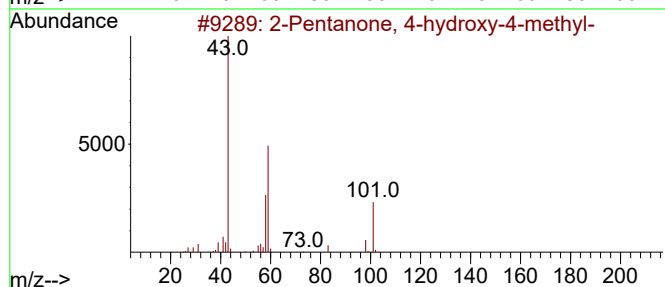
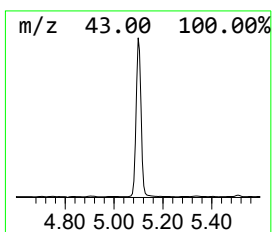
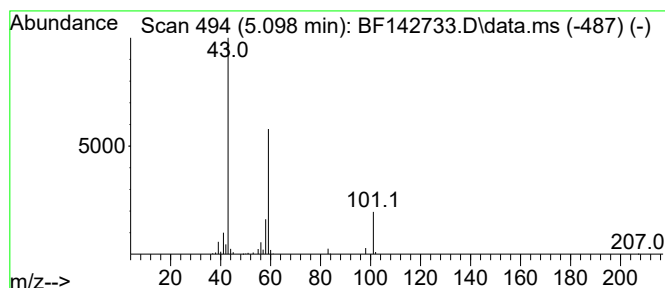
Instrument :
BNA_F
ClientSampleId :
FB-20250605

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.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 1

R.T.	EstConc	Area	Relative to ISTD	R.T.	
5.098	8.81 ng	140728	1,4-Dichlorobenzene-d4	6.892	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
4	Butane	58	C4H10	000106-97-8	9
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142733.D
Acq On : 11 Jun 2025 14:21
Operator : RC/JU
Sample : Q2268-10
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FB-20250605

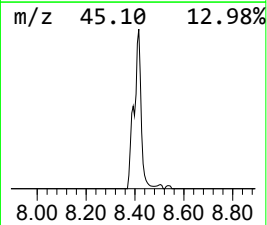
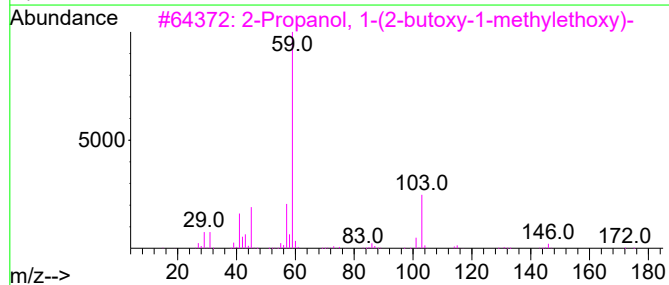
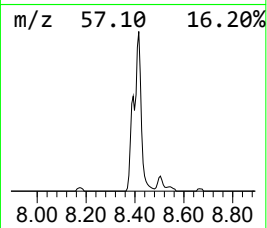
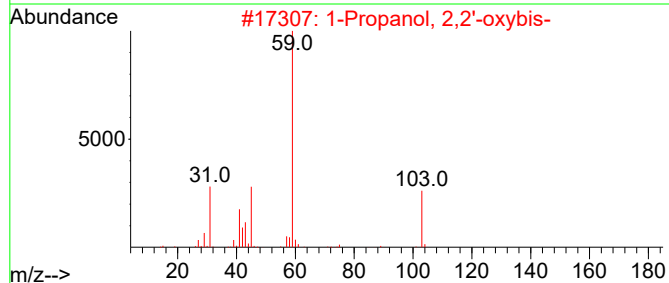
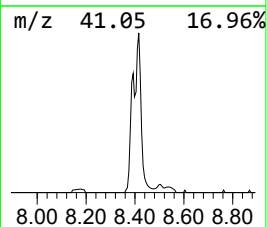
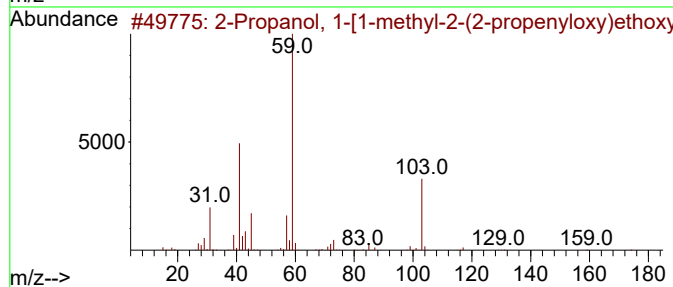
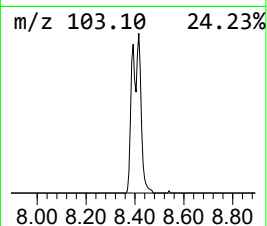
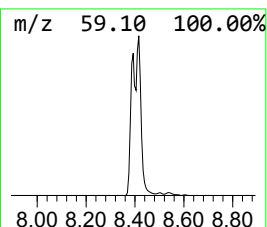
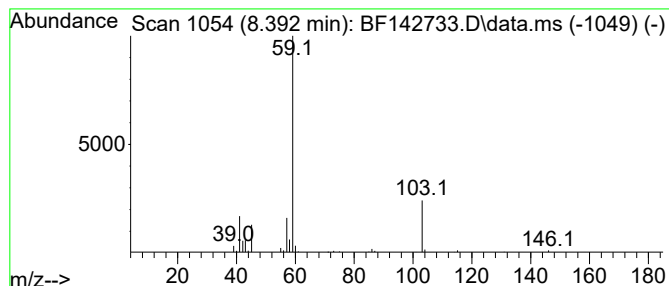
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 2-Propanol, 1-[1-methyl-2-(... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.392	5.39 ng	106609	Naphthalene-d8	8.175

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-[1-methyl-2-(2-pro...	174	C9H18O3	055956-25-7	74		
2	1-Propanol, 2,2'-oxybis-	134	C6H14O3	000108-61-2	64		
3	2-Propanol, 1-(2-butoxy-1-methyl...	190	C10H22O3	029911-28-2	64		
4	1-Propanol, 2-(2-hydroxypropoxy)-	134	C6H14O3	000106-62-7	64		
5	Dipropylene glycol (isomer 2)	134	C6H14O3	1000506-25-4	64		



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142733.D
Acq On : 11 Jun 2025 14:21
Operator : RC/JU
Sample : Q2268-10
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FB-20250605

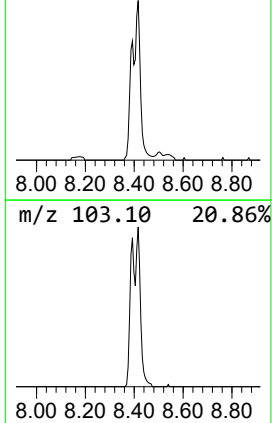
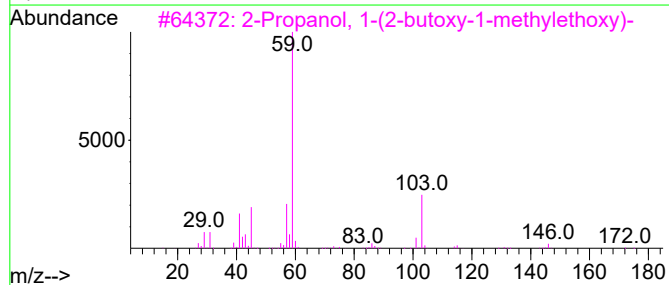
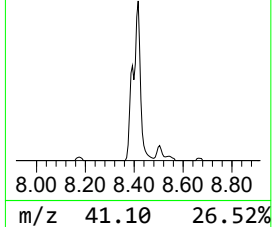
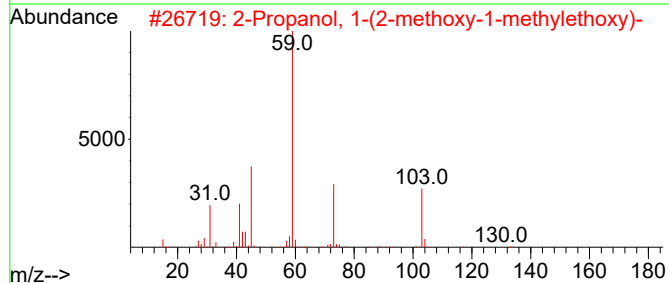
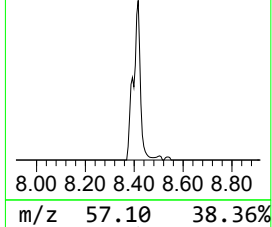
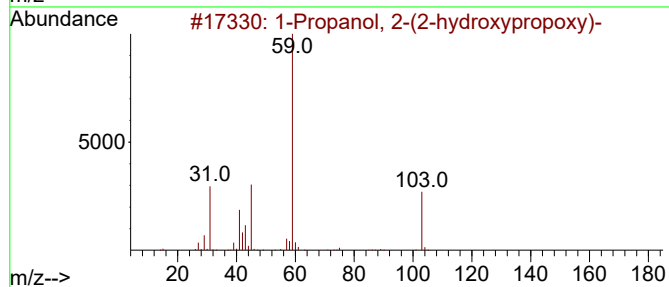
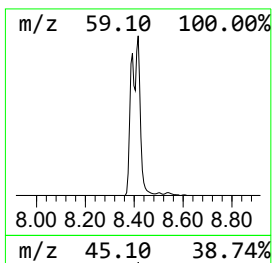
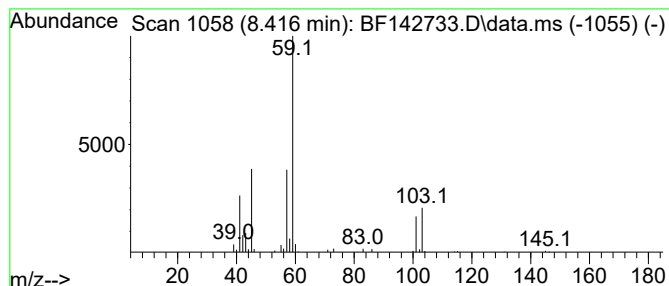
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 1-Propanol, 2-(2-hydroxypro... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.416	8.18 ng	161836	Naphthalene-d8	8.175

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propanol, 2-(2-hydroxypropoxy)-	134	C6H14O3		000106-62-7	59
2	2-Propanol, 1-(2-methoxy-1-methy...	148	C7H16O3		020324-32-7	50
3	2-Propanol, 1-(2-butoxy-1-methyl...	190	C10H22O3		029911-28-2	45
4	1,2-Butanediol	90	C4H10O2		000584-03-2	45
5	2-Butanol, 3-methoxy-	104	C5H12O2		053778-72-6	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142733.D
Acq On : 11 Jun 2025 14:21
Operator : RC/JU
Sample : Q2268-10
Misc :
ALS Vial : 12 Sample Multiplier: 1

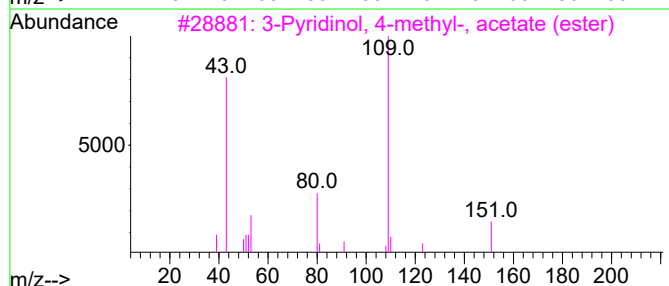
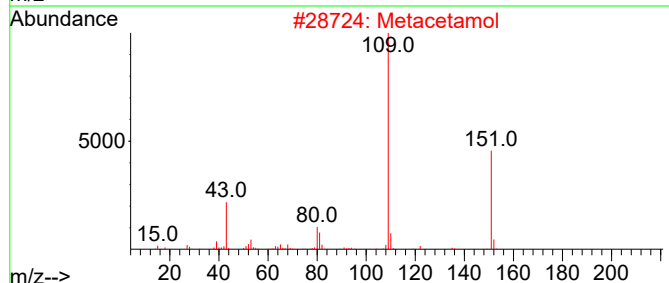
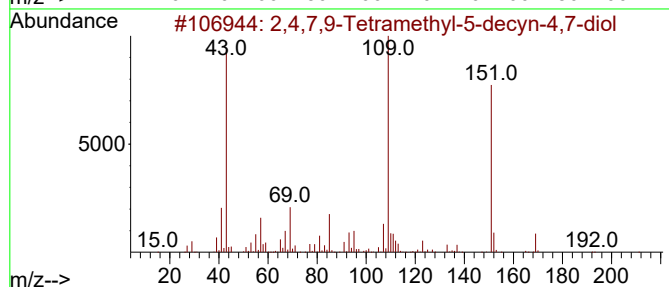
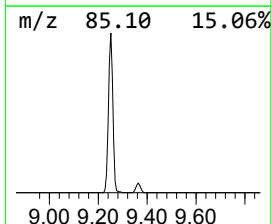
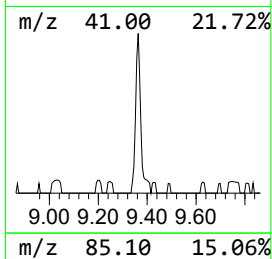
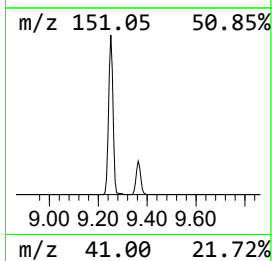
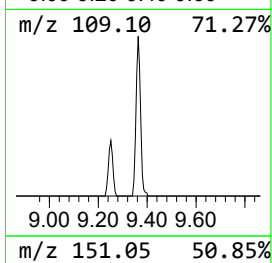
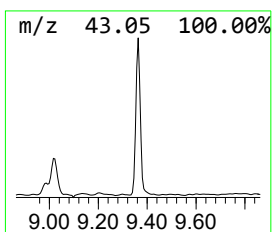
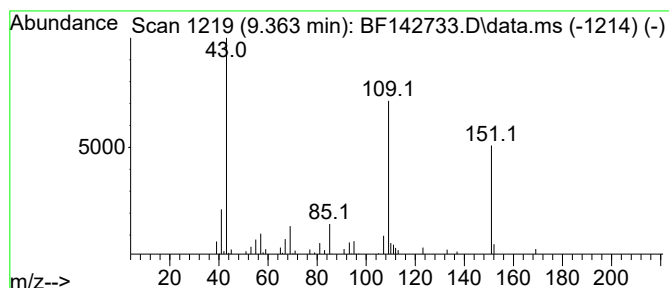
Instrument :
BNA_F
ClientSampleId :
FB-20250605

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 2,4,7,9-Tetramethyl-5-decyn... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
9.363	3.25 ng	70031	Acenaphthene-d10	9.933	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,7,9-Tetramethyl-5-decyn-4,7-...	226	C14H26O2	000126-86-3	91
2	Metacetamol	151	C8H9NO2	000621-42-1	53
3	3-Pyridinol, 4-methyl-, acetate ...	151	C8H9NO2	001006-96-8	53
4	1-(1,2,3-Trimethyl-cyclopent-2-e...	152	C10H16O	070987-81-4	27
5	Guanine	151	C5H5N5O	000073-40-5	27



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142733.D
Acq On : 11 Jun 2025 14:21
Operator : RC/JU
Sample : Q2268-10
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FB-20250605

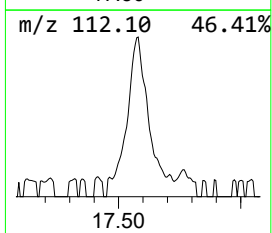
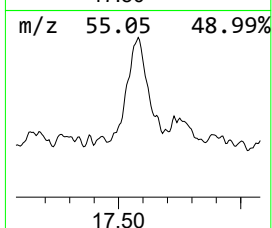
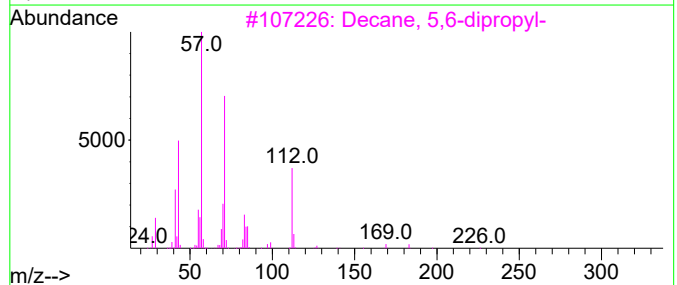
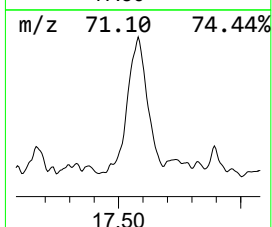
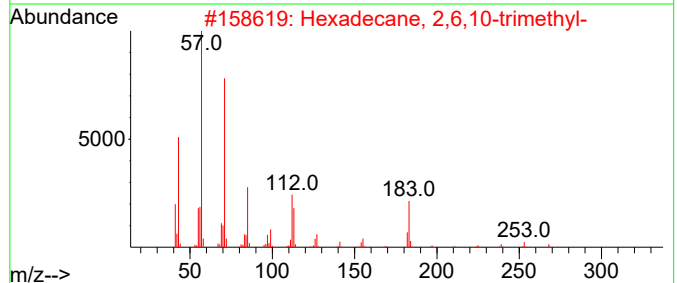
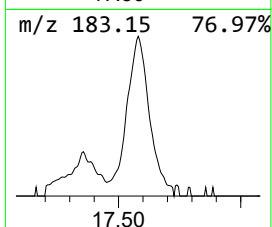
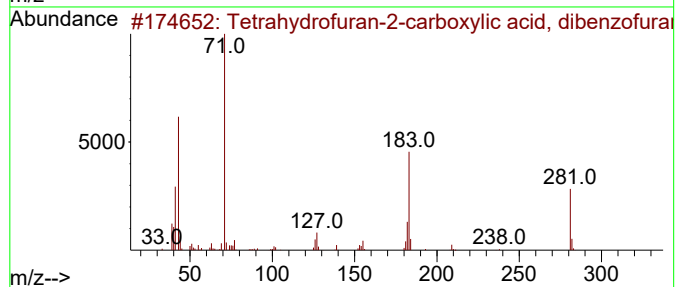
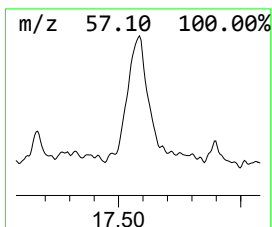
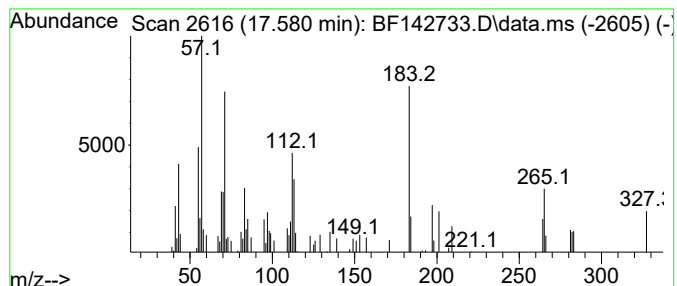
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 unknown17.580 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.580	8.34 ng	165141	Perylene-d12	15.562

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tetrahydrofuran-2-carboxylic aci...	281	C17H15NO3	1000316-12-2	43
2			Hexadecane, 2,6,10-trimethyl-	268	C19H40	055000-52-7	40
3			Decane, 5,6-dipropyl-	226	C16H34	119209-20-0	27
4			1-Decene, 4-methyl-	154	C11H22	013151-29-6	22
5			Dodecanoic acid, pentafluorophen...	366	C18H23F5O2	1000360-54-1	22



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142733.D
Acq On : 11 Jun 2025 14:21
Operator : RC/JU
Sample : Q2268-10
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FB-20250605

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.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-...	5.098	8.8	ng	140728	1	6.892	319446	20.0
2-Propanol, 1-[...	8.392	5.4	ng	106609	2	8.175	395527	20.0
1-Propanol, 2-(...	8.416	8.2	ng	161836	2	8.175	395527	20.0
2,4,7,9-Tetrame...	9.363	3.3	ng	70031	3	9.933	431203	20.0
unknown17.580	17.580	8.3	ng	165141	6	15.562	396010	20.0



CALIBRATION SUMMARY

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PARS02
 Lab Code: CHEM Case No.: Q2268 SAS No.: Q2268 SDG No.: Q2268
 Instrument ID: BNA_F Calibration Date(s): 06/10/2025 06/10/2025
 Calibration Time(s): 16:54 20:19

LAB FILE ID:		RRF2.5 = BF142712.D			RRF005 = BF142713.D		RRF010 = BF142714.D	
		RRF020 = BF142715.D			RRF040 = BF142716.D		RRF050 = BF142717.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorophenol		1.238	1.170	1.199	1.161	1.220	1.174	4.5
Benzaldehyde			0.943	0.950	0.839	0.839	0.856	11.5
Phenol-d6		1.434	1.339	1.400	1.376	1.446	1.382	3.7
Phenol		1.550	1.503	1.577	1.522	1.607	1.536	3.4
bis(2-Chloroethyl) ether		1.222	1.118	1.149	1.130	1.202	1.147	4.3
2-Chlorophenol		1.288	1.254	1.300	1.290	1.347	1.283	3.1
2-Methylphenol		0.978	0.950	0.995	0.992	1.043	0.984	3.6
2,2-oxybis(1-Chloropropane)		1.957	1.812	1.840	1.806	1.875	1.806	6.0
Acetophenone		0.475	0.451	0.458	0.435	0.454	0.445	4.8
3+4-Methylphenols			1.261	1.285	1.246	1.299	1.240	4.8
n-Nitroso-di-n-propylamine	0.885	0.912	0.870	0.886	0.878	0.921	0.880	3.4
Nitrobenzene-d5		0.381	0.363	0.369	0.358	0.378	0.365	3.2
Hexachloroethane		0.562	0.521	0.545	0.524	0.552	0.530	4.7
Nitrobenzene		0.338	0.313	0.326	0.320	0.335	0.324	3.1
Isophorone		0.657	0.621	0.628	0.603	0.630	0.619	3.8
2-Nitrophenol		0.172	0.174	0.183	0.181	0.192	0.181	3.9
2,4-Dimethylphenol		0.318	0.303	0.311	0.304	0.321	0.308	3.1
bis(2-Chloroethoxy) methane		0.408	0.381	0.392	0.377	0.397	0.384	4.3
2,4-Dichlorophenol		0.284	0.281	0.292	0.280	0.300	0.284	3.5
Naphthalene		1.065	0.997	1.021	0.972	1.008	0.989	5.2
4-Chloroaniline		0.429	0.389	0.399	0.399	0.408	0.397	4.7
Hexachlorobutadiene		0.210	0.204	0.206	0.197	0.205	0.200	4.4
Caprolactam			0.077	0.079	0.075	0.079	0.077	2.8
4-Chloro-3-methylphenol		0.317	0.299	0.303	0.289	0.301	0.296	4.8
2-Methylnaphthalene		0.674	0.649	0.641	0.618	0.636	0.626	5.7
Hexachlorocyclopentadiene			0.297	0.348	0.375	0.414	0.372	11.6
2,4,6-Trichlorophenol		0.349	0.373	0.383	0.373	0.405	0.375	4.8
2-Fluorobiphenyl		1.690	1.610	1.569	1.444	1.535	1.505	9.0
2,4,5-Trichlorophenol		0.404	0.404	0.413	0.400	0.431	0.405	3.6
1,1-Biphenyl		1.630	1.617	1.587	1.506	1.622	1.553	5.4
2-Chloronaphthalene		1.190	1.172	1.178	1.117	1.197	1.144	4.8
2-Nitroaniline		0.320	0.321	0.333	0.323	0.345	0.325	3.4
Dimethylphthalate		1.444	1.368	1.359	1.291	1.379	1.336	5.4
Acenaphthylene		2.053	1.986	2.003	1.881	1.991	1.929	5.6

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: PARS02
 Lab Code: CHEM Case No.: Q2268 SAS No.: Q2268 SDG No.: Q2268
 Instrument ID: BNA_F Calibration Date(s): 06/10/2025 06/10/2025
 Calibration Time(s): 16:54 20:19

LAB FILE ID:		RRF2.5 = BF142712.D			RRF005 = BF142713.D		RRF010 = BF142714.D	
		RRF020 = BF142715.D			RRF040 = BF142716.D		RRF050 = BF142717.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2,6-Dinitrotoluene		0.307	0.283	0.295	0.285	0.299	0.289	4.5
3-Nitroaniline		0.334	0.313	0.316	0.307	0.322	0.313	4.1
Acenaphthene		1.266	1.222	1.224	1.170	1.237	1.196	4.8
2,4-Dinitrophenol			0.123	0.154	0.157	0.176	0.158	12.2
4-Nitrophenol			0.203	0.219	0.210	0.222	0.212	3.4
Dibenzofuran		1.855	1.777	1.783	1.643	1.741	1.703	6.9
2,4-Dinitrotoluene		0.396	0.383	0.399	0.377	0.396	0.382	4.7
Diethylphthalate		1.508	1.392	1.372	1.256	1.332	1.324	8.6
4-Chlorophenyl-phenylether		0.748	0.692	0.680	0.633	0.663	0.657	8.8
Fluorene		1.547	1.429	1.397	1.279	1.357	1.345	9.5
4-Nitroaniline		0.297	0.281	0.294	0.270	0.283	0.280	4.6
4,6-Dinitro-2-methylphenol			0.104	0.123	0.125	0.137	0.125	9.2
n-Nitrosodiphenylamine		0.710	0.679	0.693	0.672	0.722	0.687	3.4
2,4,6-Tribromophenol		0.236	0.223	0.224	0.213	0.226	0.219	5.3
4-Bromophenyl-phenylether		0.240	0.229	0.238	0.231	0.252	0.236	3.5
Hexachlorobenzene		0.270	0.261	0.263	0.255	0.275	0.262	3.2
Atrazine		0.185	0.174	0.188	0.179	0.191	0.183	3.3
Pentachlorophenol			0.118	0.133	0.139	0.148	0.137	7.8
Phenanthrene		1.165	1.100	1.094	1.036	1.091	1.071	5.6
Anthracene		1.203	1.145	1.140	1.064	1.132	1.108	6.0
Carbazole		1.003	0.960	0.968	0.898	0.931	0.928	6.1
Di-n-butylphthalate		1.105	1.048	1.072	1.005	1.053	1.036	4.8
Fluoranthene		1.184	1.083	1.081	0.965	0.988	1.019	10.1
Pyrene		2.014	1.918	1.928	1.883	1.878	1.859	6.7
Terphenyl-d14		1.609	1.562	1.556	1.462	1.430	1.456	9.1
Butylbenzylphthalate		0.435	0.486	0.526	0.581	0.626	0.550	12.7
3,3-Dichlorobenzidine			0.370	0.403	0.442	0.473	0.427	8.9
Benzo (a) anthracene		1.367	1.273	1.284	1.350	1.400	1.325	3.9
Chrysene		1.298	1.208	1.245	1.172	1.250	1.224	3.7
Bis (2-ethylhexyl) phthalate		0.616	0.709	0.756	0.895	0.977	0.825	16.0
Di-n-octyl phthalate			1.284	1.385	1.677	1.816	1.582	12.8
Benzo (b) fluoranthene		1.256	1.094	1.112	1.162	1.230	1.178	5.7
Benzo (k) fluoranthene		1.236	1.178	1.245	1.076	1.189	1.143	7.9
Benzo (a) pyrene		1.164	1.085	1.122	1.104	1.184	1.120	3.7
Indeno (1,2,3-cd) pyrene		1.438	1.406	1.458	1.498	1.602	1.482	4.3

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



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Fax : 908 789 8922

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PARS02
 Lab Code: CHEM Case No.: Q2268 SAS No.: Q2268 SDG No.: Q2268
 Instrument ID: BNA_F Calibration Date(s): 06/10/2025 06/10/2025
 Calibration Time(s): 16:54 20:19

LAB FILE ID:		RRF2.5 = BF142712.D		RRF005 = BF142713.D		RRF010 = BF142714.D		
		RRF020 = BF142715.D		RRF040 = BF142716.D		RRF050 = BF142717.D		
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Dibenzo (a,h)anthracene		1.134	1.176	1.214	1.236	1.318	1.210	4.9
Benzo (g,h,i)perylene		1.201	1.164	1.178	1.216	1.295	1.203	3.8
1,2,4,5-Tetrachlorobenzene		0.585	0.592	0.589	0.568	0.618	0.579	4.6
1,4-Dioxane		0.499	0.448	0.472	0.455	0.481	0.465	4.4
2,3,4,6-Tetrachlorophenol		0.364	0.339	0.357	0.327	0.354	0.340	5.6

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-BF061125.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Jun 11 05:56:09 2025
 Response Via : Initial Calibration

Calibration Files

2.5 =BF142712.D 5.0 =BF142713.D 10 =BF142714.D 20 =BF142715.D 40 =BF142716.D 50 =BF142717.D 60 =BF142718.D 80 =BF142719.D

	Compound	2.5	5.0	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.499	0.448	0.472	0.455	0.481	0.460	0.439	0.465	4.40	
3)	Pyridine	1.172	1.129	1.159	1.160	1.222	1.193	1.122	1.165	3.00	
4)	n-Nitrosodimet...		0.558	0.590	0.591	0.633	0.617	0.588	0.596	4.36	
5) S	2-Fluorophenol	1.238	1.170	1.199	1.161	1.220	1.156	1.075	1.174	4.55	
6)	Aniline	1.866	1.788	1.894	1.848	1.955	1.861	1.736	1.850	3.83	
7) S	Phenol-d6	1.434	1.339	1.400	1.376	1.446	1.377	1.302	1.382	3.67	
8)	2-Chlorophenol	1.288	1.254	1.300	1.290	1.347	1.286	1.219	1.283	3.09	
9)	Benzaldehyde		0.943	0.950	0.839	0.839	0.708		0.856	11.52	
10) C	Phenol	1.550	1.503	1.577	1.522	1.607	1.547	1.446	1.536	3.42	
11)	bis(2-Chloroet...	1.222	1.118	1.149	1.130	1.202	1.131	1.079	1.147	4.29	
12)	1,3-Dichlorobe...	1.557	1.483	1.504	1.451	1.513	1.411	1.333	1.465	5.08	
13) C	1,4-Dichlorobe...	1.596	1.483	1.519	1.454	1.528	1.431	1.349	1.480	5.34	
14)	1,2-Dichlorobe...	1.554	1.418	1.444	1.401	1.457	1.375	1.282	1.419	5.83	
15)	Benzyl Alcohol		0.970	1.049	1.059	1.121	1.061	1.007	1.045	4.95	
16)	2,2'-oxybis(1-...	1.957	1.812	1.840	1.806	1.875	1.746	1.609	1.806	6.03	
17)	2-Methylphenol	0.978	0.950	0.995	0.992	1.043	0.995	0.933	0.984	3.61	
18)	Hexachloroethane	0.562	0.521	0.545	0.524	0.552	0.522	0.488	0.530	4.69	
19) P	n-Nitroso-di-n...	0.885	0.912	0.870	0.886	0.878	0.921	0.863	0.823	0.880	3.43
20)	3+4-Methylphenols		1.261	1.285	1.246	1.299	1.218	1.134	1.240	4.80	
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.475	0.451	0.458	0.435	0.454	0.433	0.408	0.445	4.79	
23) S	Nitrobenzene-d5	0.381	0.363	0.369	0.358	0.378	0.363	0.346	0.365	3.24	
24)	Nitrobenzene	0.338	0.313	0.326	0.320	0.335	0.327	0.312	0.324	3.10	
25)	Isophorone	0.657	0.621	0.628	0.603	0.630	0.606	0.585	0.619	3.77	
26) C	2-Nitrophenol	0.172	0.174	0.183	0.181	0.192	0.187	0.178	0.181	3.92	
27)	2,4-Dimethylph...	0.318	0.303	0.311	0.304	0.321	0.308	0.292	0.308	3.14	
28)	bis(2-Chloroet...	0.408	0.381	0.392	0.377	0.397	0.378	0.356	0.384	4.31	
29) C	2,4-Dichloroph...	0.284	0.281	0.292	0.280	0.300	0.285	0.269	0.284	3.51	
30)	1,2,4-Trichlor...	0.337	0.313	0.322	0.306	0.322	0.307	0.294	0.314	4.42	
31)	Naphthalene	1.065	0.997	1.021	0.972	1.008	0.958	0.903	0.989	5.20	
32)	Benzoic acid		0.137	0.162	0.174	0.192	0.190	0.186	0.174	12.16	
33)	4-Chloroaniline	0.429	0.389	0.399	0.399	0.408	0.386	0.370	0.397	4.68	
34) C	Hexachlorobuta...	0.210	0.204	0.206	0.197	0.205	0.196	0.184	0.200	4.41	
35)	Caprolactam		0.077	0.079	0.075	0.079	0.077	0.074	0.077	2.82	
36) C	4-Chloro-3-met...	0.317	0.299	0.303	0.289	0.301	0.287	0.273	0.296	4.76	
37)	2-Methylnaphth...	0.674	0.649	0.641	0.618	0.636	0.599	0.565	0.626	5.72	
38)	1-Methylnaphth...	0.727	0.666	0.669	0.629	0.650	0.619	0.580	0.649	7.16	

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF061125.M

39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.585	0.592	0.589	0.568	0.618	0.570	0.531	0.579	4.64	
41) P	Hexachlorocycl...		0.297	0.348	0.375	0.414	0.400	0.396	0.372	11.64	
42) S	2,4,6-Tribromo...	0.236	0.223	0.224	0.213	0.226	0.210	0.202	0.219	5.28	
43) C	2,4,6-Trichlor...	0.349	0.373	0.383	0.373	0.405	0.380	0.359	0.375	4.79	
44)	2,4,5-Trichlor...	0.404	0.404	0.413	0.400	0.431	0.399	0.383	0.405	3.61	
45) S	2-Fluorobiphenyl	1.690	1.610	1.569	1.444	1.535	1.402	1.289	1.505	9.04	
46)	1,1'-Biphenyl	1.630	1.617	1.587	1.506	1.622	1.500	1.409	1.553	5.39	
47)	2-Chloronaphth...	1.190	1.172	1.178	1.117	1.197	1.108	1.047	1.144	4.82	
48)	2-Nitroaniline	0.320	0.321	0.333	0.323	0.345	0.325	0.311	0.325	3.38	
49)	Acenaphthylene	2.053	1.986	2.003	1.881	1.991	1.847	1.744	1.929	5.65	
50)	Dimethylphthalate	1.444	1.368	1.359	1.291	1.379	1.273	1.234	1.336	5.42	
51)	2,6-Dinitrotol...	0.307	0.283	0.295	0.285	0.299	0.283	0.268	0.289	4.49	
52) C	Acenaphthene	1.266	1.222	1.224	1.170	1.237	1.155	1.099	1.196	4.80	
53)	3-Nitroaniline	0.334	0.313	0.316	0.307	0.322	0.304	0.295	0.313	4.08	
54) P	2,4-Dinitrophenol		0.123	0.154	0.157	0.176	0.170	0.169	0.158	12.18	
55)	Dibenzofuran	1.855	1.777	1.783	1.643	1.741	1.607	1.517	1.703	6.93	
56) P	4-Nitrophenol		0.203	0.219	0.210	0.222	0.212	0.208	0.212	3.42	
57)	2,4-Dinitrotol...	0.396	0.383	0.399	0.377	0.396	0.372	0.348	0.382	4.73	
58)	Fluorene	1.547	1.429	1.397	1.279	1.357	1.240	1.167	1.345	9.49	
59)	2,3,4,6-Tetrac...	0.364	0.339	0.357	0.327	0.354	0.332	0.311	0.340	5.58	
60)	Diethylphthalate	1.508	1.392	1.372	1.256	1.332	1.246	1.164	1.324	8.55	
61)	4-Chlorophenyl...	0.748	0.692	0.680	0.633	0.663	0.610	0.571	0.657	8.84	
62)	4-Nitroaniline	0.297	0.281	0.294	0.270	0.283	0.275	0.261	0.280	4.58	
63)	Azobenzene	1.290	1.186	1.178	1.115	1.187	1.094	1.045	1.157	6.89	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...		0.104	0.123	0.125	0.137	0.133	0.129	0.125	9.17	
66) c	n-Nitrosodiphe...	0.710	0.679	0.693	0.672	0.722	0.685	0.651	0.687	3.45	
67)	4-Bromophenyl-...	0.240	0.229	0.238	0.231	0.252	0.236	0.227	0.236	3.52	
68)	Hexachlorobenzene	0.270	0.261	0.263	0.255	0.275	0.260	0.251	0.262	3.17	
69)	Atrazine	0.185	0.174	0.188	0.179	0.191	0.188	0.178	0.183	3.33	
70) C	Pentachlorophenol		0.118	0.133	0.139	0.148	0.144	0.142	0.137	7.80	
71)	Phenanthrene	1.165	1.100	1.094	1.036	1.091	1.035	0.978	1.071	5.61	
72)	Anthracene	1.203	1.145	1.140	1.064	1.132	1.072	1.004	1.108	5.96	
73)	Carbazole	1.003	0.960	0.968	0.898	0.931	0.903	0.832	0.928	6.07	
74)	Di-n-butylphth...	1.105	1.048	1.072	1.005	1.053	1.017	0.953	1.036	4.76	
75) C	Fluoranthene	1.184	1.083	1.081	0.965	0.988	0.953	0.878	1.019	10.08	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine		0.711	0.772	0.799	0.754	0.684	0.553	0.712	12.40	
78)	Pyrene	2.014	1.918	1.928	1.883	1.878	1.753	1.635	1.859	6.75	
79) S	Terphenyl-d14	1.609	1.562	1.556	1.462	1.430	1.327	1.247	1.456	9.11	
80)	Butylbenzylphth...	0.435	0.486	0.526	0.581	0.626	0.605	0.588	0.550	12.67	
81)	Benzo(a)anthra...	1.367	1.273	1.284	1.350	1.400	1.340	1.263	1.325	3.94	
82)	3,3'-Dichlorob...		0.370	0.403	0.442	0.473	0.459	0.418	0.427	8.88	
83)	Chrysene	1.298	1.208	1.245	1.172	1.250	1.222	1.170	1.224	3.72	
84)	Bis(2-ethylhex...	0.616	0.709	0.756	0.895	0.977	0.926	0.896	0.825	16.02	
85) c	Di-n-octyl pht...		1.284	1.385	1.677	1.816	1.680	1.654	1.582	12.84	

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF061125.M

86) I	Perylene-d12	-----ISTD-----	
87)	Indeno(1,2,3-c...	1.438 1.406 1.458 1.498 1.602 1.514 1.460 1.482	4.31
88)	Benzo(b)fluora...	1.256 1.094 1.112 1.162 1.230 1.251 1.139 1.178	5.71
89)	Benzo(k)fluora...	1.236 1.178 1.245 1.076 1.189 1.035 1.039 1.143	7.94
90) C	Benzo(a)pyrene	1.164 1.085 1.122 1.104 1.184 1.111 1.068 1.120	3.70
91)	Dibenzo(a,h)an...	1.134 1.176 1.214 1.236 1.318 1.222 1.172 1.210	4.87
92)	Benzo(g,h,i)pe...	1.201 1.164 1.178 1.216 1.295 1.207 1.163 1.203	3.77

(#) = Out of Range

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF061125.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Jun 11 05:56:09 2025
 Response Via : Initial Calibration

Calibration Files

2.5 =BF142712.D 5.0 =BF142713.D 10 =BF142714.D 20 =BF142715.D 40 =BF142716.D 50 =BF142717.D 60 =BF142718.D 80 =BF142719.D

	Compound	2.5	5.0	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane		0.499	0.448	0.472	0.455	0.481	0.460	0.439	0.465	4.40
3)	Pyridine		1.172	1.129	1.159	1.160	1.222	1.193	1.122	1.165	3.00
4)	n-Nitrosodimet...			0.558	0.590	0.591	0.633	0.617	0.588	0.596	4.36
5) S	2-Fluorophenol		1.238	1.170	1.199	1.161	1.220	1.156	1.075	1.174	4.55
6)	Aniline		1.866	1.788	1.894	1.848	1.955	1.861	1.736	1.850	3.83
7) S	Phenol-d6		1.434	1.339	1.400	1.376	1.446	1.377	1.302	1.382	3.67
8)	2-Chlorophenol		1.288	1.254	1.300	1.290	1.347	1.286	1.219	1.283	3.09
9)	Benzaldehyde			0.943	0.950	0.839	0.839	0.708		0.856	11.52
10) C	Phenol		1.550	1.503	1.577	1.522	1.607	1.547	1.446	1.536	3.42
11)	bis(2-Chloroet...		1.222	1.118	1.149	1.130	1.202	1.131	1.079	1.147	4.29
12)	1,3-Dichlorobe...		1.557	1.483	1.504	1.451	1.513	1.411	1.333	1.465	5.08
13) C	1,4-Dichlorobe...		1.596	1.483	1.519	1.454	1.528	1.431	1.349	1.480	5.34
14)	1,2-Dichlorobe...		1.554	1.418	1.444	1.401	1.457	1.375	1.282	1.419	5.83
15)	Benzyl Alcohol			0.970	1.049	1.059	1.121	1.061	1.007	1.045	4.95
16)	2,2'-oxybis(1-...		1.957	1.812	1.840	1.806	1.875	1.746	1.609	1.806	6.03
17)	2-Methylphenol		0.978	0.950	0.995	0.992	1.043	0.995	0.933	0.984	3.61
18)	Hexachloroethane		0.562	0.521	0.545	0.524	0.552	0.522	0.488	0.530	4.69
19) P	n-Nitroso-di-n...	0.885	0.912	0.870	0.886	0.878	0.921	0.863	0.823	0.880	3.43
20)	3+4-Methylphenols			1.261	1.285	1.246	1.299	1.218	1.134	1.240	4.80
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone		0.475	0.451	0.458	0.435	0.454	0.433	0.408	0.445	4.79
23) S	Nitrobenzene-d5		0.381	0.363	0.369	0.358	0.378	0.363	0.346	0.365	3.24
24)	Nitrobenzene		0.338	0.313	0.326	0.320	0.335	0.327	0.312	0.324	3.10
25)	Isophorone		0.657	0.621	0.628	0.603	0.630	0.606	0.585	0.619	3.77
26) C	2-Nitrophenol		0.172	0.174	0.183	0.181	0.192	0.187	0.178	0.181	3.92
27)	2,4-Dimethylph...		0.318	0.303	0.311	0.304	0.321	0.308	0.292	0.308	3.14
28)	bis(2-Chloroet...		0.408	0.381	0.392	0.377	0.397	0.378	0.356	0.384	4.31
29) C	2,4-Dichloroph...		0.284	0.281	0.292	0.280	0.300	0.285	0.269	0.284	3.51
30)	1,2,4-Trichlor...		0.337	0.313	0.322	0.306	0.322	0.307	0.294	0.314	4.42
31)	Naphthalene		1.065	0.997	1.021	0.972	1.008	0.958	0.903	0.989	5.20
32)	Benzoic acid			0.137	0.162	0.174	0.192	0.190	0.186	0.174	12.16
33)	4-Chloroaniline		0.429	0.389	0.399	0.399	0.408	0.386	0.370	0.397	4.68
34) C	Hexachlorobuta...		0.210	0.204	0.206	0.197	0.205	0.196	0.184	0.200	4.41
35)	Caprolactam			0.077	0.079	0.075	0.079	0.077	0.074	0.077	2.82
36) C	4-Chloro-3-met...		0.317	0.299	0.303	0.289	0.301	0.287	0.273	0.296	4.76
37)	2-Methylnaphth...		0.674	0.649	0.641	0.618	0.636	0.599	0.565	0.626	5.72
38)	1-Methylnaphth...		0.727	0.666	0.669	0.629	0.650	0.619	0.580	0.649	7.16

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF061125.M

39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.585	0.592	0.589	0.568	0.618	0.570	0.531	0.579	4.64	
41) P	Hexachlorocycl...		0.297	0.348	0.375	0.414	0.400	0.396	0.372	11.64	
42) S	2,4,6-Tribromo...	0.236	0.223	0.224	0.213	0.226	0.210	0.202	0.219	5.28	
43) C	2,4,6-Trichlor...	0.349	0.373	0.383	0.373	0.405	0.380	0.359	0.375	4.79	
44)	2,4,5-Trichlor...	0.404	0.404	0.413	0.400	0.431	0.399	0.383	0.405	3.61	
45) S	2-Fluorobiphenyl	1.690	1.610	1.569	1.444	1.535	1.402	1.289	1.505	9.04	
46)	1,1'-Biphenyl	1.630	1.617	1.587	1.506	1.622	1.500	1.409	1.553	5.39	
47)	2-Chloronaphth...	1.190	1.172	1.178	1.117	1.197	1.108	1.047	1.144	4.82	
48)	2-Nitroaniline	0.320	0.321	0.333	0.323	0.345	0.325	0.311	0.325	3.38	
49)	Acenaphthylene	2.053	1.986	2.003	1.881	1.991	1.847	1.744	1.929	5.65	
50)	Dimethylphthalate	1.444	1.368	1.359	1.291	1.379	1.273	1.234	1.336	5.42	
51)	2,6-Dinitrotol...	0.307	0.283	0.295	0.285	0.299	0.283	0.268	0.289	4.49	
52) C	Acenaphthene	1.266	1.222	1.224	1.170	1.237	1.155	1.099	1.196	4.80	
53)	3-Nitroaniline	0.334	0.313	0.316	0.307	0.322	0.304	0.295	0.313	4.08	
54) P	2,4-Dinitrophenol		0.123	0.154	0.157	0.176	0.170	0.169	0.158	12.18	
55)	Dibenzofuran	1.855	1.777	1.783	1.643	1.741	1.607	1.517	1.703	6.93	
56) P	4-Nitrophenol		0.203	0.219	0.210	0.222	0.212	0.208	0.212	3.42	
57)	2,4-Dinitrotol...	0.396	0.383	0.399	0.377	0.396	0.372	0.348	0.382	4.73	
58)	Fluorene	1.547	1.429	1.397	1.279	1.357	1.240	1.167	1.345	9.49	
59)	2,3,4,6-Tetrac...	0.364	0.339	0.357	0.327	0.354	0.332	0.311	0.340	5.58	
60)	Diethylphthalate	1.508	1.392	1.372	1.256	1.332	1.246	1.164	1.324	8.55	
61)	4-Chlorophenyl...	0.748	0.692	0.680	0.633	0.663	0.610	0.571	0.657	8.84	
62)	4-Nitroaniline	0.297	0.281	0.294	0.270	0.283	0.275	0.261	0.280	4.58	
63)	Azobenzene	1.290	1.186	1.178	1.115	1.187	1.094	1.045	1.157	6.89	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...		0.104	0.123	0.125	0.137	0.133	0.129	0.125	9.17	
66) c	n-Nitrosodiphe...	0.710	0.679	0.693	0.672	0.722	0.685	0.651	0.687	3.45	
67)	4-Bromophenyl-...	0.240	0.229	0.238	0.231	0.252	0.236	0.227	0.236	3.52	
68)	Hexachlorobenzene	0.270	0.261	0.263	0.255	0.275	0.260	0.251	0.262	3.17	
69)	Atrazine	0.185	0.174	0.188	0.179	0.191	0.188	0.178	0.183	3.33	
70) C	Pentachlorophenol		0.118	0.133	0.139	0.148	0.144	0.142	0.137	7.80	
71)	Phenanthrene	1.165	1.100	1.094	1.036	1.091	1.035	0.978	1.071	5.61	
72)	Anthracene	1.203	1.145	1.140	1.064	1.132	1.072	1.004	1.108	5.96	
73)	Carbazole	1.003	0.960	0.968	0.898	0.931	0.903	0.832	0.928	6.07	
74)	Di-n-butylphth...	1.105	1.048	1.072	1.005	1.053	1.017	0.953	1.036	4.76	
75) C	Fluoranthene	1.184	1.083	1.081	0.965	0.988	0.953	0.878	1.019	10.08	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine		0.711	0.772	0.799	0.754	0.684	0.553	0.712	12.40	
78)	Pyrene	2.014	1.918	1.928	1.883	1.878	1.753	1.635	1.859	6.75	
79) S	Terphenyl-d14	1.609	1.562	1.556	1.462	1.430	1.327	1.247	1.456	9.11	
80)	Butylbenzylpht...	0.435	0.486	0.526	0.581	0.626	0.605	0.588	0.550	12.67	
81)	Benzo(a)anthra...	1.367	1.273	1.284	1.350	1.400	1.340	1.263	1.325	3.94	
82)	3,3'-Dichlorob...		0.370	0.403	0.442	0.473	0.459	0.418	0.427	8.88	
83)	Chrysene	1.298	1.208	1.245	1.172	1.250	1.222	1.170	1.224	3.72	
84)	Bis(2-ethylhex...	0.616	0.709	0.756	0.895	0.977	0.926	0.896	0.825	16.02	
85) c	Di-n-octyl pht...		1.284	1.385	1.677	1.816	1.680	1.654	1.582	12.84	

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF061125.M

86) I	Perylene-d12	-----ISTD-----	
87)	Indeno(1,2,3-c...	1.438 1.406 1.458 1.498 1.602 1.514 1.460 1.482	4.31
88)	Benzo(b)fluora...	1.256 1.094 1.112 1.162 1.230 1.251 1.139 1.178	5.71
89)	Benzo(k)fluora...	1.236 1.178 1.245 1.076 1.189 1.035 1.039 1.143	7.94
90) C	Benzo(a)pyrene	1.164 1.085 1.122 1.104 1.184 1.111 1.068 1.120	3.70
91)	Dibenzo(a,h)an...	1.134 1.176 1.214 1.236 1.318 1.222 1.172 1.210	4.87
92)	Benzo(g,h,i)pe...	1.201 1.164 1.178 1.216 1.295 1.207 1.163 1.203	3.77

(#) = Out of Range

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142712.D
Acq On : 10 Jun 2025 16:54
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Jun 11 04:42:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 11 04:40:33 2025
Response via : Initial Calibration

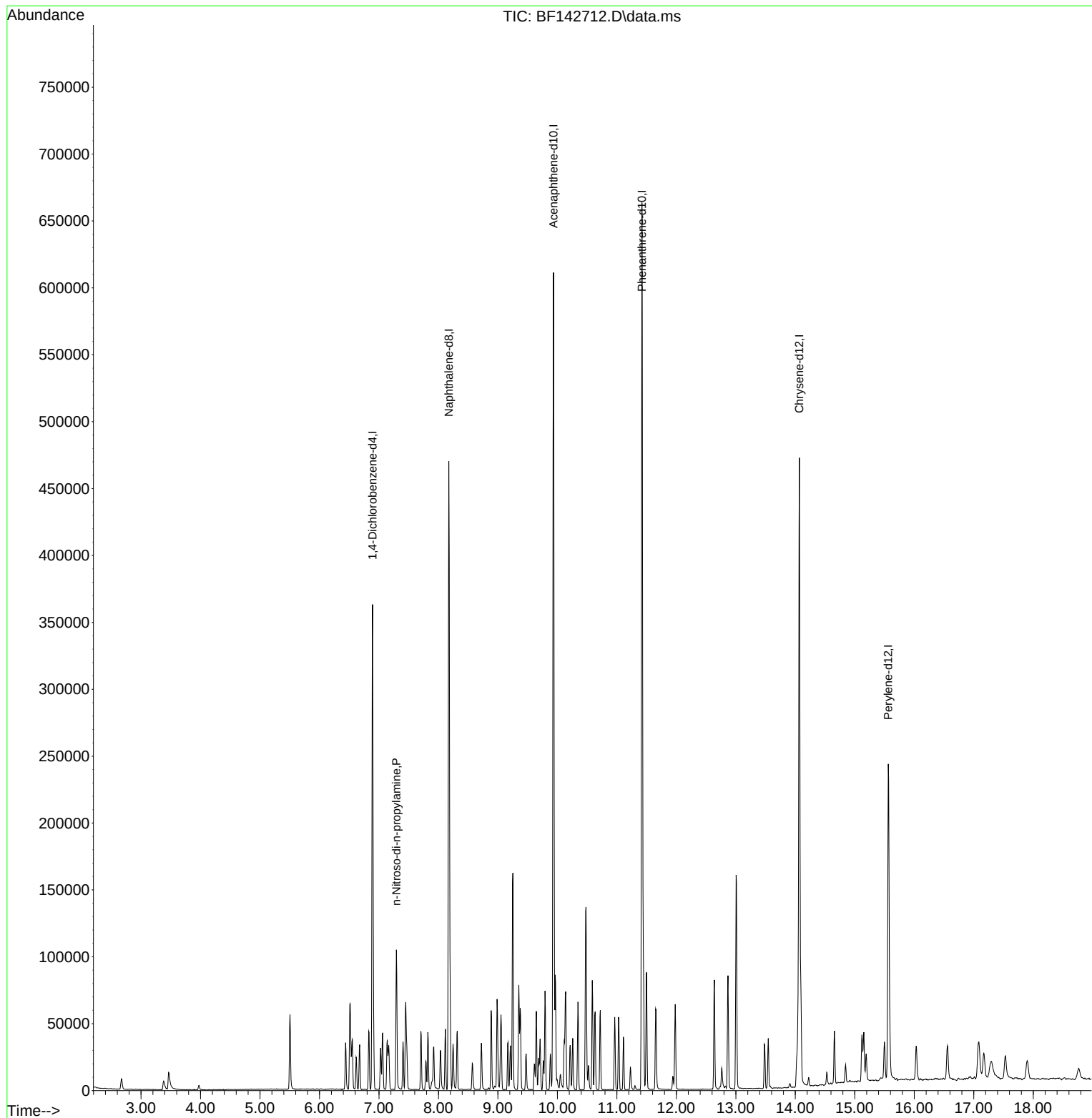
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	79232	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	295464	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	183301	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	345616	20.000	ng	0.00
76) Chrysene-d12	14.068	240	223924	20.000	ng	0.00
86) Perylene-d12	15.562	264	151462	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.000	ng	
7) Phenol-d6	0.000	99	0d	0.000	ng	
23) Nitrobenzene-d5	0.000	82	0d	0.000	ng	
42) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
45) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng	
79) Terphenyl-d14	0.000	244	0d	0.000	ng	
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.292	70	8766	2.710	ng	96

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142712.D
Acq On : 10 Jun 2025 16:54
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Jun 11 04:42:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 11 04:40:33 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
 Data File : BF142713.D
 Acq On : 10 Jun 2025 17:24
 Operator : RC/JU
 Sample : SSTDICC005
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC005

Quant Time: Jun 11 04:43:13 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 11 04:40:33 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	73153	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	282660	20.000	ng	0.00
39) Acenaphthene-d10	9.934	164	171831	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	317109	20.000	ng	0.00
76) Chrysene-d12	14.069	240	192600	20.000	ng	0.00
86) Perylene-d12	15.563	264	136780	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	45267	10.485	ng	0.00
7) Phenol-d6	6.510	99	52444	10.388	ng	-0.01
23) Nitrobenzene-d5	7.451	82	53819	10.444	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	20258	10.526	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	145166	11.472	ng	0.00
79) Terphenyl-d14	13.004	244	154958	12.222	ng	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	2.669	88	9117	5.514	ng	98
3) Pyridine	3.457	79	21429	5.033	ng	97
6) Aniline	6.551	93	34126	5.033	ng	98
8) 2-Chlorophenol	6.675	128	23551	4.989	ng	98
10) Phenol	6.522	94	28350	5.028	ng	96
11) bis(2-Chloroethyl)ether	6.622	93	22343	5.410	ng	96
12) 1,3-Dichlorobenzene	6.834	146	28472	5.388	ng	98
13) 1,4-Dichlorobenzene	6.910	146	29191	5.422	ng	99
14) 1,2-Dichlorobenzene	7.063	146	28413	5.535	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.163	45	35792	5.355	ng	100
17) 2-Methylphenol	7.140	107	17889	4.966	ng	98
18) Hexachloroethane	7.404	117	10275	5.503	ng	98
19) n-Nitroso-di-n-propyla...	7.293	70	16677	5.585	ng	96
22) Acetophenone	7.293	105	33539	5.425	ng	97
24) Nitrobenzene	7.469	77	23879	5.151	ng	99
25) Isophorone	7.704	82	46450	5.508	ng	100
26) 2-Nitrophenol	7.792	139	12154	4.757	ng	99
27) 2,4-Dimethylphenol	7.822	122	22460	5.154	ng	98
28) bis(2-Chloroethoxy)met...	7.922	93	28801	5.495	ng	99
29) 2,4-Dichlorophenol	8.034	162	20068	5.067	ng	98
30) 1,2,4-Trichlorobenzene	8.116	180	23782	5.446	ng	99
31) Naphthalene	8.198	128	75231	5.400	ng	99
33) 4-Chloroaniline	8.245	127	30308	5.302	ng	99
34) Hexachlorobutadiene	8.316	225	14843	5.491	ng	97
36) 4-Chloro-3-methylphenol	8.722	107	22410	5.387	ng	99
37) 2-Methylnaphthalene	8.887	142	47648	5.368	ng	100
38) 1-Methylnaphthalene	8.987	142	51391	5.616	ng	100
40) 1,2,4,5-Tetrachloroben...	9.057	216	25124	5.027	ng	100
43) 2,4,6-Trichlorophenol	9.169	196	14992	4.592	ng	94
44) 2,4,5-Trichlorophenol	9.204	196	17365	4.967	ng	97
46) 1,1'-Biphenyl	9.351	154	70027	5.243	ng	98
47) 2-Chloronaphthalene	9.375	162	51126	5.116	ng	98
48) 2-Nitroaniline	9.469	65	13726	4.657	ng	98
49) Acenaphthylene	9.792	152	88199	5.321	ng	100
50) Dimethylphthalate	9.645	163	62037	5.367	ng	99
51) 2,6-Dinitrotoluene	9.710	165	13208	5.264	ng	96

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
 Data File : BF142713.D
 Acq On : 10 Jun 2025 17:24
 Operator : RC/JU
 Sample : SSTDICC005
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC005

Quant Time: Jun 11 04:43:13 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 11 04:40:33 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52) Acenaphthene	9.963	154	54383	5.359	ng	99
53) 3-Nitroaniline	9.881	138	14348	5.141	ng	99
55) Dibenzofuran	10.139	168	79673	5.471	ng	99
57) 2,4-Dinitrotoluene	10.116	165	17009	5.094	ng	96
58) Fluorene	10.481	166	66464	5.719	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.257	232	15641	5.392	ng	# 96
60) Diethylphthalate	10.345	149	64759	5.759	ng	100
61) 4-Chlorophenyl-phenyle...	10.475	204	32152	5.820	ng	97
62) 4-Nitroaniline	10.486	138	12746	4.873	ng	98
63) Azobenzene	10.633	77	55411	5.497	ng	99
66) n-Nitrosodiphenylamine	10.586	169	56325	5.506	ng	100
67) 4-Bromophenyl-phenylether	10.963	248	19033	5.426	ng	98
68) Hexachlorobenzene	11.028	284	21366	5.334	ng	99
69) Atrazine	11.110	200	14687	4.829	ng	98
71) Phenanthrene	11.445	178	92359	5.445	ng	99
72) Anthracene	11.498	178	95380	5.431	ng	98
73) Carbazole	11.651	167	79530	5.098	ng	99
74) Di-n-butylphthalate	11.980	149	87576	5.304	ng	99
75) Fluoranthene	12.639	202	93843	5.689	ng	99
78) Pyrene	12.869	202	96970	5.961	ng	98
80) Butylbenzylphthalate	13.480	149	20945	4.216	ng	98
81) Benzo(a)anthracene	14.057	228	65823	5.230	ng	99
83) Chrysene	14.092	228	62493	5.295	ng	99
84) Bis(2-ethylhexyl)phtha...	14.039	149	29677	5.009	ng	99
87) Indeno(1,2,3-cd)pyrene	17.068	276	49157	5.039	ng	99
88) Benzo(b)fluoranthene	15.121	252	42934	5.237	ng	99
89) Benzo(k)fluoranthene	15.151	252	42264	5.573	ng	98
90) Benzo(a)pyrene	15.498	252	39797	5.197	ng	99
91) Dibenzo(a,h)anthracene	17.092	278	38778	4.912	ng	98
92) Benzo(g,h,i)perylene	17.527	276	41059	5.047	ng	99

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

[illegible]

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
 Data File : BF142714.D
 Acq On : 10 Jun 2025 17:53
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC010

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 06/11/2025
 Supervised By :Jagrut Upadhyay 06/11/2025

Quant Time: Jun 11 04:44:00 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 11 04:40:33 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	78202	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	297644	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	171293	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	304369	20.000	ng	0.00
76) Chrysene-d12	14.069	240	175894	20.000	ng	0.00
86) Perylene-d12	15.563	264	145296	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	91494	19.825	ng	0.00
7) Phenol-d6	6.510	99	104679	19.395	ng	-0.01
23) Nitrobenzene-d5	7.451	82	108036	19.910	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	38257	19.941	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	275752	21.861	ng	0.00
79) Terphenyl-d14	13.004	244	274700	23.723	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.669	88	17535	9.921	ng	98
3) Pyridine	3.446	79	44155	9.701	ng	98
4) n-Nitrosodimethylamine	3.375	42	21829	9.760	ng	# 100
6) Aniline	6.551	93	69923	9.647	ng	99
8) 2-Chlorophenol	6.675	128	49015	9.712	ng	98
9) Benzaldehyde	6.440	77	36871	12.061	ng	98
10) Phenol	6.528	94	58767	9.750	ng	93
11) bis(2-Chloroethyl)ether	6.622	93	43715	9.901	ng	98
12) 1,3-Dichlorobenzene	6.834	146	57969	10.261	ng	98
13) 1,4-Dichlorobenzene	6.910	146	58003	10.078	ng	98
14) 1,2-Dichlorobenzene	7.063	146	55430	10.101	ng	98
15) Benzyl Alcohol	7.028	79	37926	9.523	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.163	45	70858	9.916	ng	99
17) 2-Methylphenol	7.140	107	37156	9.649	ng	98
18) Hexachloroethane	7.404	117	20359	10.200	ng	98
19) n-Nitroso-di-n-propyla...	7.292	70	34025	10.659	ng	98
20) 3+4-Methylphenols	7.292	107	49292	10.358	ng	# 89
22) Acetophenone	7.298	105	67100	10.307	ng	99
24) Nitrobenzene	7.469	77	46653	9.556	ng	99
25) Isophorone	7.710	82	92430	10.409	ng	99
26) 2-Nitrophenol	7.792	139	25953	9.646	ng	97
27) 2,4-Dimethylphenol	7.822	122	45074	9.823	ng	99
28) bis(2-Chloroethoxy)met...	7.922	93	56675	10.270	ng	99
29) 2,4-Dichlorophenol	8.034	162	41840	10.033	ng	97
30) 1,2,4-Trichlorobenzene	8.116	180	46583	10.130	ng	99
31) Naphthalene	8.198	128	148394	10.116	ng	100
32) Benzoic acid	7.898	122	20380	7.420	ng	91
33) 4-Chloroaniline	8.245	127	57953	9.627	ng	98
34) Hexachlorobutadiene	8.316	225	30416	10.686	ng	98
35) Caprolactam	8.581	113	11406	9.021	ng	97
36) 4-Chloro-3-methylphenol	8.722	107	44561	10.173	ng	96
37) 2-Methylnaphthalene	8.886	142	96652	10.341	ng	100
38) 1-Methylnaphthalene	8.986	142	99084	10.283	ng	100
40) 1,2,4,5-Tetrachloroben...	9.057	216	50666	10.170	ng	99
41) Hexachlorocyclopentadiene	9.039	237	25422	8.555	ng	98
43) 2,4,6-Trichlorophenol	9.169	196	31960	9.820	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
 Data File : BF142714.D
 Acq On : 10 Jun 2025 17:53
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC010

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 06/11/2025
 Supervised By :Jagrut Upadhyay 06/11/2025

Quant Time: Jun 11 04:44:00 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 11 04:40:33 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.204	196	34641	9.940	ng	97
46) 1,1'-Biphenyl	9.351	154	138529	10.404	ng	99
47) 2-Chloronaphthalene	9.381	162	100376	10.076	ng	98
48) 2-Nitroaniline	9.469	65	27476	9.351	ng	97
49) Acenaphthylene	9.792	152	170087	10.293	ng	100
50) Dimethylphthalate	9.645	163	117189	10.171	ng	100
51) 2,6-Dinitrotoluene	9.710	165	24267	9.703	ng	92
52) Acenaphthene	9.969	154	104654	10.345	ng	100
53) 3-Nitroaniline	9.881	138	26814	9.637	ng	98
54) 2,4-Dinitrophenol	9.992	184	10498	7.649	ng	92
55) Dibenzofuran	10.139	168	152164	10.482	ng	98
56) 4-Nitrophenol	10.039	139	17392	9.141	ng	98
57) 2,4-Dinitrotoluene	10.116	165	32824	9.861	ng	99
58) Fluorene	10.480	166	122374	10.564	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.257	232	29038m	10.042	ng	
60) Diethylphthalate	10.345	149	119243	10.637	ng	99
61) 4-Chlorophenyl-phenyle...	10.475	204	59238	10.756	ng	96
62) 4-Nitroaniline	10.492	138	24067	9.231	ng	98
63) Azobenzene	10.633	77	101592	10.110	ng	98
65) 4,6-Dinitro-2-methylph...	10.522	198	15886	8.392	ng	90
66) n-Nitrosodiphenylamine	10.586	169	103342	10.526	ng	99
67) 4-Bromophenyl-phenylether	10.963	248	34896	10.364	ng	98
68) Hexachlorobenzene	11.033	284	39719	10.331	ng	97
69) Atrazine	11.110	200	26536	9.090	ng	98
70) Pentachlorophenol	11.228	266	17981	8.662	ng	99
71) Phenanthrene	11.445	178	167382	10.281	ng	99
72) Anthracene	11.498	178	174314	10.340	ng	99
73) Carbazole	11.651	167	146072	9.755	ng	99
74) Di-n-butylphthalate	11.980	149	159448	10.061	ng	100
75) Fluoranthene	12.639	202	164874	10.413	ng	99
77) Benzidine	12.763	184	62561	10.131	ng	99
78) Pyrene	12.869	202	168642	11.351	ng	99
80) Butylbenzylphthalate	13.480	149	42755	9.423	ng	98
81) Benzo(a)anthracene	14.057	228	111987	9.743	ng	99
82) 3,3'-Dichlorobenzidine	14.021	252	32572	8.868	ng	99
83) Chrysene	14.092	228	106218	9.855	ng	99
84) Bis(2-ethylhexyl)phtha...	14.039	149	62338	11.522	ng	100
85) Di-n-octyl phthalate	14.657	149	112882	10.593	ng	100
87) Indeno(1,2,3-cd)pyrene	17.074	276	102110	9.854	ng	100
88) Benzo(b)fluoranthene	15.121	252	79463	9.125	ng	100
89) Benzo(k)fluoranthene	15.151	252	85570	10.623	ng	100
90) Benzo(a)pyrene	15.498	252	78787	9.685	ng	99
91) Dibenzo(a,h)anthracene	17.092	278	85402	10.184	ng	99
92) Benzo(g,h,i)perylene	17.527	276	84574	9.787	ng	97

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

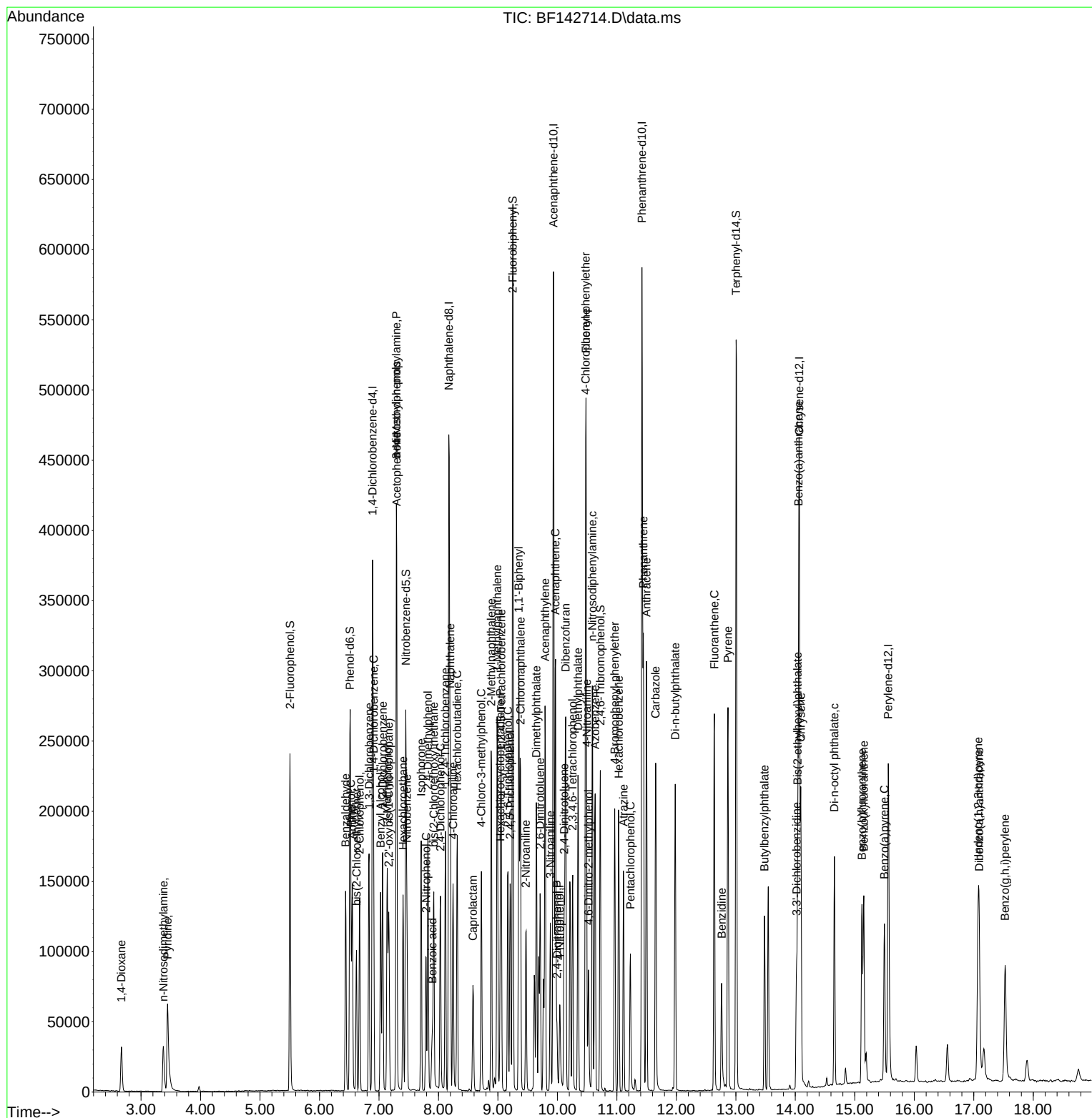
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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\  
Data File : BF142714.D  
Acq On    : 10 Jun 2025   17:53  
Operator  : RC/JU  
Sample    : SSTDICC010  
Misc      :  
ALS Vial  : 5    Sample Multiplier: 1
```

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 06/11/2025
Supervised By :Jagrut Upadhyay 06/11/2025

Quant Time: Jun 11 04:44:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 11 04:40:33 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
 Data File : BF142715.D
 Acq On : 10 Jun 2025 18:22
 Operator : RC/JU
 Sample : SSTDICC020
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC020

Quant Time: Jun 11 04:44:44 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 11 04:40:33 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	81140	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	314255	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	177830	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	309039	20.000	ng	0.00
76) Chrysene-d12	14.068	240	171505	20.000	ng	0.00
86) Perylene-d12	15.562	264	149863	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	194642	40.648	ng	0.00
7) Phenol-d6	6.516	99	227264	40.584	ng	0.00
23) Nitrobenzene-d5	7.457	82	232019	40.499	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	79780	40.055	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	557975	42.608	ng	0.00
79) Terphenyl-d14	13.010	244	533769	47.276	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.669	88	38265	20.866	ng	99
3) Pyridine	3.440	79	94010	19.906	ng	99
4) n-Nitrosodimethylamine	3.381	42	47876	20.630	ng	100
6) Aniline	6.551	93	153658	20.432	ng	99
8) 2-Chlorophenol	6.675	128	105458	20.140	ng	98
9) Benzaldehyde	6.440	77	77101	24.308	ng	99
10) Phenol	6.528	94	127959	20.461	ng	95
11) bis(2-Chloroethyl)ether	6.622	93	93244	20.354	ng	98
12) 1,3-Dichlorobenzene	6.834	146	122041	20.821	ng	100
13) 1,4-Dichlorobenzene	6.910	146	123218	20.634	ng	99
14) 1,2-Dichlorobenzene	7.063	146	117164	20.577	ng	99
15) Benzyl Alcohol	7.028	79	85092	20.593	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.163	45	149275	20.134	ng	99
17) 2-Methylphenol	7.140	107	80771	20.215	ng	98
18) Hexachloroethane	7.404	117	44183	21.335	ng	98
19) n-Nitroso-di-n-propyla...	7.298	70	71901	21.709	ng	96
20) 3+4-Methylphenols	7.292	107	104278	21.119	ng	99
22) Acetophenone	7.298	105	143791	20.920	ng	99
24) Nitrobenzene	7.475	77	102335	19.854	ng	100
25) Isophorone	7.710	82	197471	21.062	ng	99
26) 2-Nitrophenol	7.792	139	57374	20.198	ng	98
27) 2,4-Dimethylphenol	7.828	122	97721	20.170	ng	99
28) bis(2-Chloroethoxy)met...	7.922	93	123223	21.148	ng	99
29) 2,4-Dichlorophenol	8.034	162	91906	20.874	ng	98
30) 1,2,4-Trichlorobenzene	8.116	180	101174	20.839	ng	100
31) Naphthalene	8.198	128	320958	20.724	ng	100
32) Benzoic acid	7.916	122	51045	17.603	ng	98
33) 4-Chloroaniline	8.245	127	125346	19.722	ng	98
34) Hexachlorobutadiene	8.316	225	64827	21.572	ng	100
35) Caprolactam	8.598	113	24851	18.615	ng	99
36) 4-Chloro-3-methylphenol	8.722	107	95329	20.614	ng	97
37) 2-Methylnaphthalene	8.892	142	201323	20.401	ng	98
38) 1-Methylnaphthalene	8.986	142	210345	20.677	ng	100
40) 1,2,4,5-Tetrachloroben...	9.057	216	104684	20.240	ng	99
41) Hexachlorocyclopentadiene	9.045	237	61808	20.035	ng	99
43) 2,4,6-Trichlorophenol	9.169	196	68065	20.145	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
 Data File : BF142715.D
 Acq On : 10 Jun 2025 18:22
 Operator : RC/JU
 Sample : SSTDICC020
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC020

Quant Time: Jun 11 04:44:44 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 11 04:40:33 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	73361	20.277	ng	99
46) 1,1'-Biphenyl	9.351	154	282209	20.415	ng	100
47) 2-Chloronaphthalene	9.381	162	209413	20.249	ng	98
48) 2-Nitroaniline	9.475	65	59282	19.433	ng	97
49) Acenaphthylene	9.798	152	356197	20.763	ng	99
50) Dimethylphthalate	9.651	163	241601	20.198	ng	100
51) 2,6-Dinitrotoluene	9.716	165	52512	20.224	ng	98
52) Acenaphthene	9.969	154	217647	20.723	ng	100
53) 3-Nitroaniline	9.886	138	56260	19.477	ng	99
54) 2,4-Dinitrophenol	9.992	184	27444	19.262	ng	93
55) Dibenzofuran	10.139	168	317114	21.043	ng	98
56) 4-Nitrophenol	10.039	139	38970	19.729	ng	97
57) 2,4-Dinitrotoluene	10.116	165	71013	20.550	ng	98
58) Fluorene	10.480	166	248361	20.651	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.257	232	63447	21.135	ng	99
60) Diethylphthalate	10.351	149	243956	20.962	ng	100
61) 4-Chlorophenyl-phenyle...	10.475	204	121003	21.164	ng	99
62) 4-Nitroaniline	10.492	138	52343	19.338	ng	99
63) Azobenzene	10.633	77	209543	20.087	ng	99
65) 4,6-Dinitro-2-methylph...	10.528	198	37992	19.767	ng	99
66) n-Nitrosodiphenylamine	10.592	169	214287	21.496	ng	99
67) 4-Bromophenyl-phenylether	10.963	248	73566	21.518	ng	97
68) Hexachlorobenzene	11.033	284	81172	20.794	ng	97
69) Atrazine	11.116	200	58054	19.586	ng	99
70) Pentachlorophenol	11.227	266	40960	19.434	ng	98
71) Phenanthrene	11.445	178	338235	20.462	ng	100
72) Anthracene	11.498	178	352159	20.574	ng	99
73) Carbazole	11.651	167	299238	19.681	ng	99
74) Di-n-butylphthalate	11.980	149	331400	20.596	ng	100
75) Fluoranthene	12.639	202	333984	20.774	ng	100
77) Benzidine	12.763	184	132404	21.990	ng	100
78) Pyrene	12.869	202	330717	22.830	ng	99
80) Butylbenzylphthalate	13.480	149	90265	20.402	ng	99
81) Benzo(a)anthracene	14.057	228	220169	19.646	ng	99
82) 3,3'-Dichlorobenzidine	14.021	252	69036	19.277	ng	99
83) Chrysene	14.092	228	213547	20.321	ng	99
84) Bis(2-ethylhexyl)phtha...	14.039	149	129627	24.572	ng	100
85) Di-n-octyl phthalate	14.657	149	237492	22.858	ng	100
87) Indeno(1,2,3-cd)pyrene	17.074	276	218550	20.449	ng	99
88) Benzo(b)fluoranthene	15.121	252	166706	18.561	ng	98
89) Benzo(k)fluoranthene	15.151	252	186600	22.459	ng	99
90) Benzo(a)pyrene	15.498	252	168181	20.044	ng	99
91) Dibenzo(a,h)anthracene	17.092	278	181987	21.041	ng	100
92) Benzo(g,h,i)perylene	17.533	276	176608	19.815	ng	98

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

[illegible]

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
 Data File : BF142716.D
 Acq On : 10 Jun 2025 18:52
 Operator : RC/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICCC040

Quant Time: Jun 11 04:45:29 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 11 04:40:33 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	73919	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	293174	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	163323	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	268461	20.000	ng	0.00
76) Chrysene-d12	14.069	240	133388	20.000	ng	0.00
86) Perylene-d12	15.563	264	147260	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	343357	78.709	ng	0.00
7) Phenol-d6	6.522	99	406740	79.729	ng	0.00
23) Nitrobenzene-d5	7.457	82	419582	78.505	ng	0.00
42) 2,4,6-Tribromophenol	10.728	330	139141	76.063	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	943621	78.457	ng	0.00
79) Terphenyl-d14	13.010	244	779955	88.822	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.658	88	67193	40.220	ng	100
3) Pyridine	3.428	79	171443	39.847	ng	100
4) n-Nitrosodimethylamine	3.381	42	87361	41.322	ng	100
6) Aniline	6.557	93	273155	39.869	ng	100
8) 2-Chlorophenol	6.675	128	190691	39.974	ng	100
9) Benzaldehyde	6.446	77	123971	42.903	ng	100
10) Phenol	6.534	94	225072	39.506	ng	100
11) bis(2-Chloroethyl)ether	6.628	93	167078	40.033	ng	100
12) 1,3-Dichlorobenzene	6.834	146	214577	40.184	ng	100
13) 1,4-Dichlorobenzene	6.910	146	214952	39.511	ng	100
14) 1,2-Dichlorobenzene	7.063	146	207185	39.941	ng	100
15) Benzyl Alcohol	7.034	79	156614	41.604	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.169	45	266983	39.528	ng	100
17) 2-Methylphenol	7.145	107	146636	40.285	ng	100
18) Hexachloroethane	7.404	117	77474	41.065	ng	100
19) n-Nitroso-di-n-propyla...	7.310	70	129867	43.041	ng	100
20) 3+4-Methylphenols	7.298	107	184159	40.940	ng	100
22) Acetophenone	7.304	105	255088	39.781	ng	100
24) Nitrobenzene	7.481	77	187501	38.993	ng	100
25) Isophorone	7.716	82	353615	40.429	ng	100
26) 2-Nitrophenol	7.792	139	105955	39.983	ng	100
27) 2,4-Dimethylphenol	7.828	122	178092	39.403	ng	100
28) bis(2-Chloroethoxy)met...	7.928	93	221302	40.712	ng	100
29) 2,4-Dichlorophenol	8.034	162	163972	39.919	ng	100
30) 1,2,4-Trichlorobenzene	8.122	180	179611	39.655	ng	100
31) Naphthalene	8.204	128	570012	39.451	ng	100
32) Benzoic acid	7.945	122	102071	37.731	ng	100
33) 4-Chloroaniline	8.251	127	234175	39.494	ng	100
34) Hexachlorobutadiene	8.316	225	115374	41.152	ng	100
35) Caprolactam	8.622	113	43733	35.114	ng	100
36) 4-Chloro-3-methylphenol	8.728	107	169288	39.238	ng	100
37) 2-Methylnaphthalene	8.892	142	362198	39.343	ng	100
38) 1-Methylnaphthalene	8.992	142	368559	38.834	ng	100
40) 1,2,4,5-Tetrachloroben...	9.057	216	185437	39.039	ng	100
41) Hexachlorocyclopentadiene	9.045	237	122551	43.254	ng	100
43) 2,4,6-Trichlorophenol	9.169	196	121856	39.269	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
 Data File : BF142716.D
 Acq On : 10 Jun 2025 18:52
 Operator : RC/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICCC040

Quant Time: Jun 11 04:45:29 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 11 04:40:33 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	130579	39.297	ng	100
46) 1,1'-Biphenyl	9.357	154	491843	38.741	ng	100
47) 2-Chloronaphthalene	9.381	162	364779	38.406	ng	100
48) 2-Nitroaniline	9.475	65	105665	37.714	ng	100
49) Acenaphthylene	9.798	152	614279	38.988	ng	100
50) Dimethylphthalate	9.657	163	421634	38.379	ng	100
51) 2,6-Dinitrotoluene	9.722	165	92988	38.994	ng	100
52) Acenaphthene	9.969	154	382223	39.625	ng	100
53) 3-Nitroaniline	9.886	138	100380	37.837	ng	100
54) 2,4-Dinitrophenol	9.992	184	51262	39.175	ng	100
55) Dibenzofuran	10.139	168	536754	38.781	ng	100
56) 4-Nitrophenol	10.045	139	68518	37.768	ng	100
57) 2,4-Dinitrotoluene	10.122	165	123171	38.810	ng	100
58) Fluorene	10.486	166	417629	37.810	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.257	232	106838	38.750	ng	100
60) Diethylphthalate	10.351	149	410385	38.395	ng	100
61) 4-Chlorophenyl-phenyle...	10.475	204	206812	39.385	ng	100
62) 4-Nitroaniline	10.498	138	88100	35.439	ng	100
63) Azobenzene	10.633	77	364342	38.029	ng	100
65) 4,6-Dinitro-2-methylph...	10.533	198	67116	40.198	ng	100
66) n-Nitrosodiphenylamine	10.592	169	360849	41.670	ng	100
67) 4-Bromophenyl-phenylether	10.969	248	124035	41.764	ng	100
68) Hexachlorobenzene	11.033	284	136924	40.378	ng	100
69) Atrazine	11.122	200	96297	37.398	ng	100
70) Pentachlorophenol	11.228	266	74723	40.813	ng	100
71) Phenanthrene	11.451	178	556097	38.727	ng	100
72) Anthracene	11.504	178	571308	38.423	ng	100
73) Carbazole	11.657	167	482150	36.505	ng	100
74) Di-n-butylphthalate	11.980	149	539816	38.619	ng	100
75) Fluoranthene	12.639	202	517975	37.088	ng	100
77) Benzidine	12.757	184	213108	45.507	ng	100
78) Pyrene	12.869	202	502445	44.596	ng	100
80) Butylbenzylphthalate	13.480	149	154927	45.024	ng	100
81) Benzo(a)anthracene	14.057	228	360111	41.315	ng	100
82) 3,3'-Dichlorobenzidine	14.021	252	117827	42.304	ng	100
83) Chrysene	14.098	228	312740	38.265	ng	100
84) Bis(2-ethylhexyl)phtha...	14.039	149	238704	58.180	ng	100
85) Di-n-octyl phthalate	14.657	149	447326	55.357	ng	100
87) Indeno(1,2,3-cd)pyrene	17.080	276	441110	42.002	ng	100
88) Benzo(b)fluoranthene	15.121	252	342318	38.786	ng	100
89) Benzo(k)fluoranthene	15.151	252	316796	38.803	ng	100
90) Benzo(a)pyrene	15.504	252	325150	39.436	ng	100
91) Dibenzo(a,h)anthracene	17.098	278	364050	42.834	ng	100
92) Benzo(g,h,i)perylene	17.545	276	358281	40.909	ng	100

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

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

[illegible]

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
 Data File : BF142717.D
 Acq On : 10 Jun 2025 19:21
 Operator : RC/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC050

Quant Time: Jun 11 04:46:13 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 11 04:40:33 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	70241	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	276499	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	147701	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	237963	20.000	ng	0.00
76) Chrysene-d12	14.068	240	123118	20.000	ng	0.00
86) Perylene-d12	15.562	264	138610	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	428569	103.387	ng	0.00
7) Phenol-d6	6.522	99	507980	104.788	ng	0.00
23) Nitrobenzene-d5	7.463	82	522412	103.640	ng	0.00
42) 2,4,6-Tribromophenol	10.727	330	167194	101.066	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	1133290	104.193	ng	0.00
79) Terphenyl-d14	13.010	244	880299	108.612	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.657	88	84501	53.229	ng	99
3) Pyridine	3.428	79	214641	52.500	ng	100
4) n-Nitrosodimethylamine	3.387	42	111201	55.352	ng	97
6) Aniline	6.557	93	343267	52.727	ng	98
8) 2-Chlorophenol	6.681	128	236612	52.198	ng	98
9) Benzaldehyde	6.445	77	147368	53.670	ng	99
10) Phenol	6.539	94	282259	52.138	ng	96
11) bis(2-Chloroethyl)ether	6.628	93	211081	53.225	ng	100
12) 1,3-Dichlorobenzene	6.834	146	265706	52.365	ng	98
13) 1,4-Dichlorobenzene	6.910	146	268356	51.911	ng	99
14) 1,2-Dichlorobenzene	7.063	146	255850	51.905	ng	99
15) Benzyl Alcohol	7.034	79	196862	55.034	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.169	45	329270	51.302	ng	99
17) 2-Methylphenol	7.145	107	183111	52.940	ng	99
18) Hexachloroethane	7.404	117	97018	54.117	ng	98
19) n-Nitroso-di-n-propyla...	7.310	70	161675	56.389	ng	98
20) 3+4-Methylphenols	7.304	107	228069	53.356	ng	93
22) Acetophenone	7.304	105	313957	51.914	ng	97
24) Nitrobenzene	7.481	77	231362	51.017	ng	99
25) Isophorone	7.722	82	435816	52.832	ng	99
26) 2-Nitrophenol	7.792	139	132921	53.183	ng	99
27) 2,4-Dimethylphenol	7.834	122	221956	52.069	ng	100
28) bis(2-Chloroethoxy)met...	7.928	93	274327	53.510	ng	100
29) 2,4-Dichlorophenol	8.039	162	207570	53.581	ng	98
30) 1,2,4-Trichlorobenzene	8.122	180	222476	52.081	ng	100
31) Naphthalene	8.204	128	696733	51.130	ng	100
32) Benzoic acid	7.957	122	132772	52.040	ng	100
33) 4-Chloroaniline	8.251	127	281926	50.415	ng	98
34) Hexachlorobutadiene	8.316	225	141556	53.536	ng	99
35) Caprolactam	8.628	113	54797	46.651	ng	95
36) 4-Chloro-3-methylphenol	8.728	107	208253	51.181	ng	99
37) 2-Methylnaphthalene	8.892	142	439901	50.665	ng	98
38) 1-Methylnaphthalene	8.992	142	449504	50.219	ng	100
40) 1,2,4,5-Tetrachloroben...	9.057	216	228310	53.148	ng	100
41) Hexachlorocyclopentadiene	9.045	237	152709	59.599	ng	99
43) 2,4,6-Trichlorophenol	9.169	196	149684	53.339	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
 Data File : BF142717.D
 Acq On : 10 Jun 2025 19:21
 Operator : RC/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC050

Quant Time: Jun 11 04:46:13 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 11 04:40:33 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	158991	52.908	ng	98
46) 1,1'-Biphenyl	9.357	154	599102	52.181	ng	100
47) 2-Chloronaphthalene	9.386	162	442042	51.463	ng	99
48) 2-Nitroaniline	9.480	65	127381	50.274	ng	97
49) Acenaphthylene	9.798	152	735181	51.597	ng	99
50) Dimethylphthalate	9.657	163	509346	51.267	ng	100
51) 2,6-Dinitrotoluene	9.722	165	110252	51.124	ng	95
52) Acenaphthene	9.975	154	456720	52.356	ng	100
53) 3-Nitroaniline	9.892	138	118897	49.557	ng	99
54) 2,4-Dinitrophenol	9.998	184	64948	54.883	ng	90
55) Dibenzofuran	10.145	168	642875	51.361	ng	99
56) 4-Nitrophenol	10.045	139	82142	50.067	ng	98
57) 2,4-Dinitrotoluene	10.128	165	146163	50.925	ng	99
58) Fluorene	10.486	166	501157	50.172	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.263	232	130800	52.459	ng	99
60) Diethylphthalate	10.357	149	491909	50.889	ng	100
61) 4-Chlorophenyl-phenyle...	10.475	204	244758	51.542	ng	100
62) 4-Nitroaniline	10.504	138	104407	46.441	ng	99
63) Azobenzene	10.639	77	438379	50.596	ng	98
65) 4,6-Dinitro-2-methylph...	10.533	198	81791	55.266	ng	97
66) n-Nitrosodiphenylamine	10.598	169	429305	55.929	ng	99
67) 4-Bromophenyl-phenylether	10.969	248	149669	56.854	ng	98
68) Hexachlorobenzene	11.033	284	163747	54.476	ng	99
69) Atrazine	11.122	200	113356	49.666	ng	99
70) Pentachlorophenol	11.227	266	87848	54.131	ng	97
71) Phenanthrene	11.451	178	649264	51.010	ng	100
72) Anthracene	11.504	178	673179	51.077	ng	100
73) Carbazole	11.657	167	554013	47.322	ng	100
74) Di-n-butylphthalate	11.980	149	626243	50.544	ng	100
75) Fluoranthene	12.639	202	588066	47.504	ng	99
77) Benzidine	12.763	184	232203	53.721	ng	99
78) Pyrene	12.868	202	578151	55.596	ng	100
80) Butylbenzylphthalate	13.486	149	192765	60.694	ng	96
81) Benzo(a)anthracene	14.057	228	430896	53.559	ng	99
82) 3,3'-Dichlorobenzidine	14.021	252	145475	56.587	ng	98
83) Chrysene	14.098	228	384783	51.006	ng	100
84) Bis(2-ethylhexyl)phtha...	14.039	149	300617	79.382	ng	100
85) Di-n-octyl phthalate	14.657	149	558942	74.939	ng	99
87) Indeno(1,2,3-cd)pyrene	17.086	276	554977	56.142	ng	99
88) Benzo(b)fluoranthene	15.127	252	426102	51.292	ng	99
89) Benzo(k)fluoranthene	15.157	252	412174	53.637	ng	99
90) Benzo(a)pyrene	15.504	252	410292	52.868	ng	100
91) Dibenzo(a,h)anthracene	17.104	278	456552	57.070	ng	99
92) Benzo(g,h,i)perylene	17.545	276	448634	54.423	ng	99

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

TIC: BF142717.D\data.ms

The chromatogram displays a complex mixture of compounds. Key peaks include:

- 1,4-Dioxane at approximately 3.2 minutes.
- n-Nitrosodimethylamine at approximately 3.6 minutes.
- 2-Fluorophenol,S at approximately 5.6 minutes.
- A large cluster of peaks between 6.5 and 8.5 minutes, including Phenol-d6,S, 1,3-Dichlorobenzene,C, 1,4-Dichlorobenzene,C, Benzyl Alcohol, 2'-Oxybis(phenylene), Hexachlorocyclopentadiene, Nitrobenzene-d5,S, Nitrobenzene, Bis(2-Chlorophenyl)methanol, 2-Nitrophenol, Bophorone, bis(2-Chlorophenyl)methane, Naphthalene-d8, 2-Chloro-1-methylphenol,C, 2-Chloro-3-methylphenol,C, Caprolactam, 4-Chloro-3-methylphenol,C, 2-Methyl-2-propylphthalate, 2,4-Dinitrochlorobenzene, 2,4,6-Trinitrochlorobenzene, 2-Chloronaphthalene, 1,1'-Biphenyl, Acenaphthylene, Acenaphthene,C, Dibenzofuran, 2,4-Dinitrotoluene, 2,3,4,6-Tetrachlorophthalate, Azobenzene, 4,6-Dinitroazobenzene, Hexachlorobenzene, Benzenesulfonylether, Pentachlorobenzene,C, Phenanthrene-d10, Carbazole, Di-n-butylphthalate, Fluoranthene,C, Pyrene, Terphenyl-d14,S, Butylbenzylphthalate, 3,3'-Dichlorobenzidine, 1,3-Bis(4-chlorophenyl)propane, Di-n-octyl phthalate,c, Benzoylbenzothiazole, Benzothiazole, Perylene-d12,T, Benzo(a)pyrene,C, Indeno(1,2,3-cd)fluoranthene, and Benzo(g,h,i)perylene.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
 Data File : BF142718.D
 Acq On : 10 Jun 2025 19:50
 Operator : RC/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC060

Quant Time: Jun 11 04:46:57 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 11 04:40:33 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	76540	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	294522	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	160126	20.000	ng	0.00
64) Phenanthrene-d10	11.428	188	252673	20.000	ng	0.00
76) Chrysene-d12	14.074	240	135419	20.000	ng	0.00
86) Perylene-d12	15.563	264	154871	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	531105	117.579	ng	0.00
7) Phenol-d6	6.528	99	632168	119.674	ng	0.00
23) Nitrobenzene-d5	7.463	82	641890	119.550	ng	0.00
42) 2,4,6-Tribromophenol	10.733	330	201726	112.478	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	1346667	114.204	ng	0.00
79) Terphenyl-d14	13.016	244	1078559	120.985	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.669	88	105536	61.008	ng	99
3) Pyridine	3.440	79	273987	61.500	ng	99
4) n-Nitrosodimethylamine	3.405	42	141690	64.724	ng	99
6) Aniline	6.557	93	427361	60.241	ng	94
8) 2-Chlorophenol	6.681	128	295212	59.766	ng	98
9) Benzaldehyde	6.446	77	162597	54.343	ng	99
10) Phenol	6.540	94	355251	60.220	ng	94
11) bis(2-Chloroethyl)ether	6.634	93	259733	60.102	ng	98
12) 1,3-Dichlorobenzene	6.834	146	323976	58.594	ng	98
13) 1,4-Dichlorobenzene	6.910	146	328599	58.333	ng	99
14) 1,2-Dichlorobenzene	7.063	146	315832	58.801	ng	99
15) Benzyl Alcohol	7.040	79	243700	62.521	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.169	45	400983	57.334	ng	96
17) 2-Methylphenol	7.145	107	228521	60.631	ng	99
18) Hexachloroethane	7.410	117	119800	61.325	ng	97
19) n-Nitroso-di-n-propyla...	7.316	70	198117	63.413	ng	99
20) 3+4-Methylphenols	7.304	107	279582	60.024	ng	99
22) Acetophenone	7.310	105	382998	59.455	ng	99
24) Nitrobenzene	7.487	77	289244	59.877	ng	100
25) Isophorone	7.722	82	535385	60.930	ng	99
26) 2-Nitrophenol	7.798	139	165338	62.106	ng	98
27) 2,4-Dimethylphenol	7.834	122	272466	60.007	ng	98
28) bis(2-Chloroethoxy)met...	7.928	93	334048	61.172	ng	99
29) 2,4-Dichlorophenol	8.040	162	251539	60.958	ng	98
30) 1,2,4-Trichlorobenzene	8.122	180	270820	59.519	ng	100
31) Naphthalene	8.204	128	846634	58.328	ng	99
32) Benzoic acid	7.969	122	167672	61.697	ng	99
33) 4-Chloroaniline	8.251	127	340957	57.240	ng	98
34) Hexachlorobutadiene	8.316	225	172892	61.386	ng	99
35) Caprolactam	8.634	113	67973	54.327	ng	98
36) 4-Chloro-3-methylphenol	8.734	107	253604	58.512	ng	99
37) 2-Methylnaphthalene	8.892	142	529042	57.203	ng	99
38) 1-Methylnaphthalene	8.992	142	547063	57.378	ng	99
40) 1,2,4,5-Tetrachloroben...	9.063	216	273677	58.765	ng	99
41) Hexachlorocyclopentadiene	9.045	237	192176	69.182	ng	99
43) 2,4,6-Trichlorophenol	9.169	196	182628	60.028	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
 Data File : BF142718.D
 Acq On : 10 Jun 2025 19:50
 Operator : RC/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC060

Quant Time: Jun 11 04:46:57 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 11 04:40:33 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.216	196	191562	58.800	ng	99
46) 1,1'-Biphenyl	9.363	154	720521	57.886	ng	100
47) 2-Chloronaphthalene	9.386	162	532389	57.172	ng	100
48) 2-Nitroaniline	9.481	65	156234	56.877	ng	97
49) Acenaphthylene	9.804	152	887022	57.422	ng	100
50) Dimethylphthalate	9.663	163	611689	56.791	ng	100
51) 2,6-Dinitrotoluene	9.722	165	136180	58.247	ng	94
52) Acenaphthene	9.975	154	554905	58.676	ng	100
53) 3-Nitroaniline	9.892	138	146064	56.156	ng	98
54) 2,4-Dinitrophenol	9.998	184	81703	63.685	ng	93
55) Dibenzofuran	10.145	168	771954	56.888	ng	99
56) 4-Nitrophenol	10.051	139	101876	57.277	ng	99
57) 2,4-Dinitrotoluene	10.128	165	178632	57.408	ng	98
58) Fluorene	10.486	166	595563	54.996	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.263	232	159267	58.920	ng	100
60) Diethylphthalate	10.357	149	598763	57.137	ng	100
61) 4-Chlorophenyl-phenyle...	10.481	204	293201	56.952	ng	99
62) 4-Nitroaniline	10.510	138	132255	54.263	ng	98
63) Azobenzene	10.639	77	525675	55.964	ng	99
65) 4,6-Dinitro-2-methylph...	10.539	198	100568	63.997	ng	99
66) n-Nitrosodiphenylamine	10.598	169	518951	63.672	ng	100
67) 4-Bromophenyl-phenylether	10.969	248	178556	63.879	ng	97
68) Hexachlorobenzene	11.039	284	197268	61.808	ng	98
69) Atrazine	11.122	200	142413	58.764	ng	98
70) Pentachlorophenol	11.228	266	109333	63.448	ng	98
71) Phenanthrene	11.451	178	784909	58.077	ng	100
72) Anthracene	11.504	178	812386	58.050	ng	99
73) Carbazole	11.657	167	684308	55.049	ng	99
74) Di-n-butylphthalate	11.980	149	770707	58.582	ng	99
75) Fluoranthene	12.639	202	722554	54.970	ng	99
77) Benzidine	12.763	184	277907	58.454	ng	100
78) Pyrene	12.874	202	712252	62.270	ng	100
80) Butylbenzylphthalate	13.486	149	245824	70.369	ng	98
81) Benzo(a)anthracene	14.063	228	544367	61.517	ng	99
82) 3,3'-Dichlorobenzidine	14.021	252	186410	65.923	ng	99
83) Chrysene	14.098	228	496488	59.836	ng	100
84) Bis(2-ethylhexyl)phtha...	14.039	149	375994	90.267	ng	100
85) Di-n-octyl phthalate	14.657	149	682501	83.193	ng	100
87) Indeno(1,2,3-cd)pyrene	17.092	276	703616	63.705	ng	100
88) Benzo(b)fluoranthene	15.127	252	581154	62.612	ng	99
89) Benzo(k)fluoranthene	15.157	252	481088	56.031	ng	100
90) Benzo(a)pyrene	15.504	252	516293	59.542	ng	99
91) Dibenzo(a,h)anthracene	17.110	278	567841	63.529	ng	100
92) Benzo(g,h,i)perylene	17.551	276	560664	60.872	ng	99

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

[illegible]

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
 Data File : BF142719.D
 Acq On : 10 Jun 2025 20:19
 Operator : RC/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC080

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 06/11/2025
 Supervised By :Jagrut Upadhyay 06/11/2025

Quant Time: Jun 11 04:47:44 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 11 04:40:33 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	79493	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	302818	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	163275	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	254680	20.000	ng	0.00
76) Chrysene-d12	14.074	240	134451	20.000	ng	0.00
86) Perylene-d12	15.568	264	159401	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	683690	145.736	ng	0.01
7) Phenol-d6	6.534	99	828276	150.974	ng	0.01
23) Nitrobenzene-d5	7.469	82	838877	151.958	ng	0.01
42) 2,4,6-Tribromophenol	10.733	330	263313	143.986	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	1683411	140.008	ng	0.00
79) Terphenyl-d14	13.016	244	1341427	151.555	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.669	88	139665	77.738	ng	98
3) Pyridine	3.440	79	356768	77.107	ng	100
4) n-Nitrosodimethylamine	3.416	42	186856	82.185	ng	100
6) Aniline	6.563	93	551994	74.919	ng	93
8) 2-Chlorophenol	6.681	128	387641	75.563	ng	98
10) Phenol	6.545	94	459718	75.034	ng	86
11) bis(2-Chloroethyl)ether	6.634	93	343229	76.473	ng	100
12) 1,3-Dichlorobenzene	6.840	146	423783	73.798	ng	98
13) 1,4-Dichlorobenzene	6.916	146	429010	73.329	ng	99
14) 1,2-Dichlorobenzene	7.069	146	407726	73.090	ng	100
15) Benzyl Alcohol	7.040	79	320131	79.079	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.169	45	511637	70.438	ng	88
17) 2-Methylphenol	7.151	107	296621	75.776	ng	98
18) Hexachloroethane	7.410	117	155047	76.420	ng	98
19) n-Nitroso-di-n-propyla...	7.322	70	261726	80.661	ng	98
20) 3+4-Methylphenols	7.310	107	360549	74.532	ng	99
22) Acetophenone	7.316	105	494731	74.696	ng	99
24) Nitrobenzene	7.487	77	377341	75.974	ng	97
25) Isophorone	7.734	82	708591	78.433	ng	99
26) 2-Nitrophenol	7.798	139	215616	78.773	ng	99
27) 2,4-Dimethylphenol	7.834	122	354230	75.877	ng	99
28) bis(2-Chloroethoxy)met...	7.934	93	431554	76.862	ng	100
29) 2,4-Dichlorophenol	8.045	162	325461	76.711	ng	99
30) 1,2,4-Trichlorobenzene	8.122	180	355845	76.062	ng	100
31) Naphthalene	8.204	128	1093209	73.252	ng	99
32) Benzoic acid	7.987	122	225393	80.665	ng	98
33) 4-Chloroaniline	8.251	127	447813	73.120	ng	98
34) Hexachlorobutadiene	8.316	225	222847	76.955	ng	99
35) Caprolactam	8.651	113	89792m	69.799	ng	
36) 4-Chloro-3-methylphenol	8.739	107	330975	74.272	ng	99
37) 2-Methylnaphthalene	8.892	142	684643	72.000	ng	98
38) 1-Methylnaphthalene	8.992	142	702007	71.612	ng	99
40) 1,2,4,5-Tetrachloroben...	9.063	216	346913	73.054	ng	99
41) Hexachlorocyclopentadiene	9.045	237	258602	91.299	ng	99
43) 2,4,6-Trichlorophenol	9.175	196	234753	75.673	ng	98
44) 2,4,5-Trichlorophenol	9.216	196	249904	75.229	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
 Data File : BF142719.D
 Acq On : 10 Jun 2025 20:19
 Operator : RC/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC080

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 06/11/2025
 Supervised By :Jagrut Upadhyay 06/11/2025

Quant Time: Jun 11 04:47:44 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 11 04:40:33 2025
 Response via : Initial Calibration

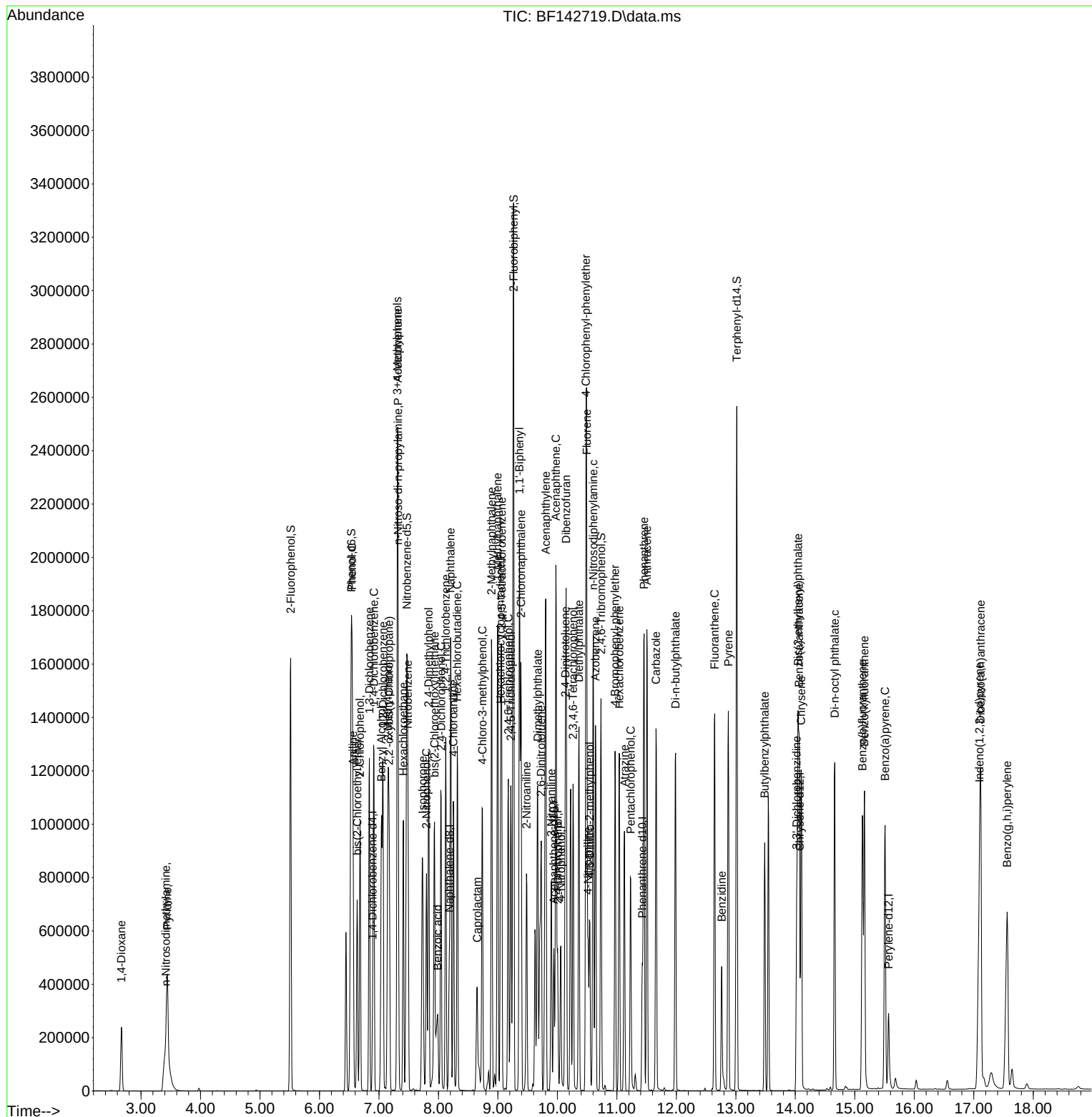
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	9.363	154	919903	72.479	ng	99
47) 2-Chloronaphthalene	9.386	162	683953	72.031	ng	99
48) 2-Nitroaniline	9.481	65	202823	72.414	ng	99
49) Acenaphthylene	9.804	152	1139161	72.323	ng	100
50) Dimethylphthalate	9.669	163	806161	73.402	ng	100
51) 2,6-Dinitrotoluene	9.728	165	174846	73.343	ng	94
52) Acenaphthene	9.975	154	717734	74.430	ng	99
53) 3-Nitroaniline	9.898	138	192508	72.585	ng	99
54) 2,4-Dinitrophenol	10.004	184	110303	84.319	ng	90
55) Dibenzofuran	10.145	168	990916	71.616	ng	100
56) 4-Nitrophenol	10.057	139	135550	74.740	ng	99
57) 2,4-Dinitrotoluene	10.133	165	227420	71.678	ng	94
58) Fluorene	10.492	166	762320	69.038	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.263	232	202852	73.596	ng	99
60) Diethylphthalate	10.363	149	759980	71.123	ng	99
61) 4-Chlorophenyl-phenyle...	10.480	204	373104	71.075	ng	99
62) 4-Nitroaniline	10.516	138	170338	68.540	ng	99
63) Azobenzene	10.639	77	682466	71.254	ng	100
65) 4,6-Dinitro-2-methylph...	10.545	198	131400	82.959	ng	99
66) n-Nitrosodiphenylamine	10.604	169	663248	80.735	ng	100
67) 4-Bromophenyl-phenylether	10.969	248	231210	82.064	ng	96
68) Hexachlorobenzene	11.039	284	255393	79.389	ng	99
69) Atrazine	11.128	200	181083	74.132	ng	99
70) Pentachlorophenol	11.233	266	145096	83.538	ng	98
71) Phenanthrene	11.457	178	996749	73.171	ng	100
72) Anthracene	11.504	178	1022318	72.476	ng	100
73) Carbazole	11.657	167	847728	67.657	ng	99
74) Di-n-butylphthalate	11.986	149	971270	73.246	ng	100
75) Fluoranthene	12.645	202	894185	67.491	ng	99
77) Benzidine	12.763	184	297389	63.003	ng	100
78) Pyrene	12.874	202	879551	77.450	ng	100
80) Butylbenzylphthalate	13.486	149	316085	91.133	ng	98
81) Benzo(a)anthracene	14.063	228	679460	77.337	ng	99
82) 3,3'-Dichlorobenzidine	14.021	252	224931	80.119	ng	99
83) Chrysene	14.098	228	629301	76.388	ng	99
84) Bis(2-ethylhexyl)phtha...	14.045	149	481798	116.501	ng	100
85) Di-n-octyl phthalate	14.663	149	889433	109.198	ng	100
87) Indeno(1,2,3-cd)pyrene	17.098	276	930657	81.866	ng	100
88) Benzo(b)fluoranthene	15.127	252	726168	76.012	ng	99
89) Benzo(k)fluoranthene	15.163	252	662322	74.947	ng	99
90) Benzo(a)pyrene	15.510	252	680946	76.299	ng	99
91) Dibenzo(a,h)anthracene	17.115	278	746984	81.196	ng	100
92) Benzo(g,h,i)perylene	17.562	276	741275	78.194	ng	99

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations

Reviewed By :Rahul Chavli 06/11/2025
Supervised By :Jagrut Upadhyay 06/11/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
 Data File : BF142720.D
 Acq On : 10 Jun 2025 20:49
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF061125

Quant Time: Jun 11 05:58:28 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 11 05:56:09 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	75213	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	288852	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	158667	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	249548	20.000	ng	0.00
76) Chrysene-d12	14.068	240	129150	20.000	ng	0.00
86) Perylene-d12	15.562	264	147247	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	371136	84.041	ng	0.00
7) Phenol-d6	6.522	99	435266	83.751	ng	0.00
23) Nitrobenzene-d5	7.457	82	405391	76.808	ng	0.00
42) 2,4,6-Tribromophenol	10.727	330	142060	81.692	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	896222	75.043	ng	0.00
79) Terphenyl-d14	13.010	244	690646	73.446	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.669	88	71141	40.706	ng	100
3) Pyridine	3.440	79	192629	43.958	ng	99
4) n-Nitrosodimethylamine	3.393	42	99555	44.403	ng	99
6) Aniline	6.557	93	310539	44.644	ng	99
8) 2-Chlorophenol	6.675	128	215825	44.721	ng	99
9) Benzaldehyde	6.445	77	157818	49.036	ng	99
10) Phenol	6.540	94	255700	44.263	ng	94
11) bis(2-Chloroethyl)ether	6.628	93	188668	43.725	ng	99
12) 1,3-Dichlorobenzene	6.834	146	240990	43.756	ng	99
13) 1,4-Dichlorobenzene	6.910	146	244533	43.933	ng	100
14) 1,2-Dichlorobenzene	7.063	146	233860	43.831	ng	100
15) Benzyl Alcohol	7.034	79	174988	44.548	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.169	45	296349	43.622	ng	99
17) 2-Methylphenol	7.145	107	165998	44.868	ng	99
18) Hexachloroethane	7.404	117	86610	43.420	ng	99
19) n-Nitroso-di-n-propyla...	7.310	70	145187	43.882	ng	100
20) 3+4-Methylphenols	7.298	107	208250	44.648	ng	96
22) Acetophenone	7.304	105	285370	44.413	ng	98
24) Nitrobenzene	7.481	77	206076	43.992	ng	99
25) Isophorone	7.716	82	390476	43.695	ng	99
26) 2-Nitrophenol	7.792	139	119541	45.726	ng	100
27) 2,4-Dimethylphenol	7.828	122	203996	45.831	ng	99
28) bis(2-Chloroethoxy)met...	7.928	93	244684	44.101	ng	99
29) 2,4-Dichlorophenol	8.034	162	186060	45.296	ng	98
30) 1,2,4-Trichlorobenzene	8.122	180	201833	44.466	ng	100
31) Naphthalene	8.204	128	630716	44.151	ng	99
32) Benzoic acid	7.951	122	120199	47.951	ng	99
33) 4-Chloroaniline	8.251	127	255412	44.530	ng	98
34) Hexachlorobutadiene	8.316	225	128362	44.378	ng	98
35) Caprolactam	8.622	113	48061	43.345	ng	99
36) 4-Chloro-3-methylphenol	8.728	107	187896	43.991	ng	98
37) 2-Methylnaphthalene	8.892	142	393355	43.503	ng	98
38) 1-Methylnaphthalene	8.992	142	407036	43.455	ng	100
40) 1,2,4,5-Tetrachloroben...	9.057	216	205039	44.649	ng	99
41) Hexachlorocyclopentadiene	9.045	237	137738	46.731	ng	100
43) 2,4,6-Trichlorophenol	9.169	196	132920	44.714	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
 Data File : BF142720.D
 Acq On : 10 Jun 2025 20:49
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF061125

Quant Time: Jun 11 05:58:28 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 11 05:56:09 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	145700	45.379	ng	98
46) 1,1'-Biphenyl	9.357	154	550079	44.647	ng	99
47) 2-Chloronaphthalene	9.381	162	399752	44.040	ng	100
48) 2-Nitroaniline	9.475	65	113944	44.136	ng	99
49) Acenaphthylene	9.798	152	666129	43.524	ng	99
50) Dimethylphthalate	9.657	163	453202	42.773	ng	99
51) 2,6-Dinitrotoluene	9.722	165	99403	43.408	ng	96
52) Acenaphthene	9.975	154	416746	43.917	ng	99
53) 3-Nitroaniline	9.892	138	107590	43.317	ng	98
54) 2,4-Dinitrophenol	9.998	184	57103	45.522	ng	89
55) Dibenzofuran	10.145	168	582555	43.111	ng	99
56) 4-Nitrophenol	10.045	139	72282	42.908	ng	98
57) 2,4-Dinitrotoluene	10.122	165	131755	43.516	ng	98
58) Fluorene	10.486	166	449369	42.112	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.257	232	115464	42.746	ng	99
60) Diethylphthalate	10.357	149	439146	41.798	ng	100
61) 4-Chlorophenyl-phenyle...	10.475	204	223388	42.866	ng	99
62) 4-Nitroaniline	10.504	138	92675	41.707	ng	99
63) Azobenzene	10.639	77	396638	43.227	ng	98
65) 4,6-Dinitro-2-methylph...	10.533	198	70617	45.188	ng	99
66) n-Nitrosodiphenylamine	10.598	169	386201	45.023	ng	99
67) 4-Bromophenyl-phenylether	10.969	248	135771	46.092	ng	98
68) Hexachlorobenzene	11.033	284	146469	44.795	ng	100
69) Atrazine	11.122	200	99271	43.408	ng	99
70) Pentachlorophenol	11.227	266	76507	44.637	ng	99
71) Phenanthrene	11.451	178	586368	43.859	ng	100
72) Anthracene	11.504	178	611481	44.214	ng	99
73) Carbazole	11.657	167	497969	43.010	ng	99
74) Di-n-butylphthalate	11.980	149	547884	42.379	ng	100
75) Fluoranthene	12.639	202	517997	40.746	ng	100
77) Benzidine	12.757	184	223533	48.599	ng	100
78) Pyrene	12.869	202	515693	42.968	ng	100
80) Butylbenzylphthalate	13.486	149	172349	48.561	ng	96
81) Benzo(a)anthracene	14.057	228	390623	45.643	ng	100
82) 3,3'-Dichlorobenzidine	14.021	252	128006	46.382	ng	99
83) Chrysene	14.098	228	343895	43.522	ng	100
84) Bis(2-ethylhexyl)phtha...	14.039	149	270293	50.747	ng	99
85) Di-n-octyl phthalate	14.657	149	500941	49.022	ng	99
87) Indeno(1,2,3-cd)pyrene	17.086	276	496299	45.483	ng	100
88) Benzo(b)fluoranthene	15.121	252	390203	45.005	ng	100
89) Benzo(k)fluoranthene	15.157	252	362789	43.126	ng	100
90) Benzo(a)pyrene	15.504	252	375192	45.514	ng	99
91) Dibenzo(a,h)anthracene	17.104	278	407127	45.694	ng	99
92) Benzo(g,h,i)perylene	17.545	276	399606	45.103	ng	100

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

Instrument :
BNA_F
ClientSampleId :
ICVBF061125

Abundance

TIC: BF142720.D\data.ms

Time-->

1,4-Dioxane

n-Nitrosodimethylaniline

2-Fluorophenol, S

Phenol-d6, S

Bis(2-chlorophenyl) ether

1,3-Dichlorobenzene

1,4-Dichlorobenzene

2,2'-oxybis(1-chlorobenzene)

Hexachlorocyclopentadiene

Nitrobenzene-d5, S

Benzaldehyde

Phenol-C

2-Nitrophenol

Isophorone

2,4-Dimethylphenol

Benzoic acid

Naphthalene

1-Chloro-2-methylbenzene

Hexachlorobutadiene

Caprolactam

4-Chloro-3-methylphenol, C

2-Methyl-1-naphthol

2,4,6-Trichlorophenol

2-Chloronaphthalene

1,1'-Biphenyl

2-Nitroaniline

Dimethylphthalate

2,6-Dinitrotoluene

3-Nitroaniline

2,4-Dinitrophenol

2,3,4,6-Tetrachlorophthalate

4,6-Dinitrophenol

4-Nitrophenol

4-Nitrosodiphenyl ether

4-Nitrosodiphenylamine, c

4-Chlorophenyl-phenyl ether

Atrazine

Pentachlorophenol, C

Phenanthrene-d10

Phenanthrene-d10

Carbazole

Di-n-butylphthalate

Fluoranthene, C

Pyrene

Terphenyl-d14, S

Buylbiphenylphthalate

3,3'-Dichlorobenzidine

2,2'-oxybis(1-chlorobenzene)

Di-n-octyl phthalate, c

Benzo(a)pyrene

Benzo(b)fluoranthene

Benzo(a)pyrene, C

Perylene-d12, I

I, Benzo(a)anthracene

Benzo(a)fluoranthene

Benzo(g,h,i)perylene

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
 Data File : BF142720.D
 Acq On : 10 Jun 2025 20:49
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF061125

Quant Time: Jun 11 05:58:28 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 11 05:56:09 2025
 Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	102	0.00
2	1,4-Dioxane	0.465	0.473	-1.7	106	0.01
3	Pyridine	1.165	1.281	-10.0	112	0.01
4	n-Nitrosodimethylamine	0.596	0.662	-11.1	114	0.01
5 S	2-Fluorophenol	1.174	1.234	-5.1	108	0.00
6	Aniline	1.850	2.064	-11.6	114	0.00
7 S	Phenol-d6	1.382	1.447	-4.7	107	0.00
8	2-Chlorophenol	1.283	1.435	-11.8	113	0.00
9	Benzaldehyde	0.856	1.049	-22.5	127	0.00
10 C	Phenol	1.536	1.700	-10.7	114	0.00
11	bis(2-Chloroethyl)ether	1.147	1.254	-9.3	113	0.00
12	1,3-Dichlorobenzene	1.465	1.602	-9.4	112	0.00
13 C	1,4-Dichlorobenzene	1.480	1.626	-9.9	114	0.00
14	1,2-Dichlorobenzene	1.419	1.555	-9.6	113	0.00
15	Benzyl Alcohol	1.045	1.163	-11.3	112	0.00
16	2,2'-oxybis(1-Chloropropane	1.806	1.970	-9.1	111	0.00
17	2-Methylphenol	0.984	1.104	-12.2	113	0.00
18	Hexachloroethane	0.530	0.576	-8.7	112	0.00
19 P	n-Nitroso-di-n-propylamine	0.880	0.965	-9.7	112	0.00
20	3+4-Methylphenols	1.240	1.384	-11.6	113	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	99	0.00
22	Acetophenone	0.445	0.494	-11.0	112	0.00
23 S	Nitrobenzene-d5	0.365	0.351	3.8	97	0.00
24	Nitrobenzene	0.324	0.357	-10.2	110	0.00
25	Isophorone	0.619	0.676	-9.2	110	0.00
26 C	2-Nitrophenol	0.181	0.207	-14.4	113	0.00
27	2,4-Dimethylphenol	0.308	0.353	-14.6	115	0.00
28	bis(2-Chloroethoxy)methane	0.384	0.424	-10.4	111	0.00
29 C	2,4-Dichlorophenol	0.284	0.322	-13.4	113	0.00
30	1,2,4-Trichlorobenzene	0.314	0.349	-11.1	112	0.00
31	Naphthalene	0.989	1.092	-10.4	111	0.00
32	Benzoic acid	0.174	0.208	-19.5	118	0.00
33	4-Chloroaniline	0.397	0.442	-11.3	109	0.00
34 C	Hexachlorobutadiene	0.200	0.222	-11.0	111	0.00
35	Caprolactam	0.077	0.083	-7.8	110	0.00
36 C	4-Chloro-3-methylphenol	0.296	0.325	-9.8	111	0.00
37	2-Methylnaphthalene	0.626	0.681	-8.8	109	0.00
38	1-Methylnaphthalene	0.649	0.705	-8.6	110	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	97	0.00
40	1,2,4,5-Tetrachlorobenzene	0.579	0.646	-11.6	111	0.00
41 P	Hexachlorocyclopentadiene	0.372	0.434	-16.7	112	0.00
42 S	2,4,6-Tribromophenol	0.219	0.224	-2.3	102	0.00
43 C	2,4,6-Trichlorophenol	0.375	0.419	-11.7	109	0.00
44	2,4,5-Trichlorophenol	0.405	0.459	-13.3	112	0.00
45 S	2-Fluorobiphenyl	1.505	1.412	6.2	95	0.00
46	1,1'-Biphenyl	1.553	1.733	-11.6	112	0.00
47	2-Chloronaphthalene	1.144	1.260	-10.1	110	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
 Data File : BF142720.D
 Acq On : 10 Jun 2025 20:49
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF061125

Quant Time: Jun 11 05:58:28 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 11 05:56:09 2025
 Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	2-Nitroaniline	0.325	0.359	-10.5	108	0.00
49	Acenaphthylene	1.929	2.099	-8.8	108	0.00
50	Dimethylphthalate	1.336	1.428	-6.9	107	0.00
51	2,6-Dinitrotoluene	0.289	0.313	-8.3	107	0.00
52 C	Acenaphthene	1.196	1.313	-9.8	109	0.00
53	3-Nitroaniline	0.313	0.339	-8.3	107	0.00
54 P	2,4-Dinitrophenol	0.158	0.180	-13.9	111	0.00
55	Dibenzofuran	1.703	1.836	-7.8	109	0.00
56 P	4-Nitrophenol	0.212	0.228	-7.5	105	0.00
57	2,4-Dinitrotoluene	0.382	0.415	-8.6	107	0.00
58	Fluorene	1.345	1.416	-5.3	108	0.00
59	2,3,4,6-Tetrachlorophenol	0.340	0.364	-7.1	108	0.00
60	Diethylphthalate	1.324	1.384	-4.5	107	0.00
61	4-Chlorophenyl-phenylether	0.657	0.704	-7.2	108	0.00
62	4-Nitroaniline	0.280	0.292	-4.3	105	0.00
63	Azobenzene	1.157	1.250	-8.0	109	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	93	0.00
65	4,6-Dinitro-2-methylphenol	0.125	0.141	-12.8	105	0.00
66 c	n-Nitrosodiphenylamine	0.687	0.774	-12.7	107	0.00
67	4-Bromophenyl-phenylether	0.236	0.272	-15.3	109	0.00
68	Hexachlorobenzene	0.262	0.293	-11.8	107	0.00
69	Atrazine	0.183	0.199	-8.7	103	0.00
70 C	Pentachlorophenol	0.137	0.153	-11.7	102	0.00
71	Phenanthrene	1.071	1.175	-9.7	105	0.00
72	Anthracene	1.108	1.225	-10.6	107	0.00
73	Carbazole	0.928	0.998	-7.5	103	0.00
74	Di-n-butylphthalate	1.036	1.098	-6.0	101	0.00
75 C	Fluoranthene	1.019	1.038	-1.9	100	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	97	0.00
77	Benzidine	0.712	0.865	-21.5	105	0.00
78	Pyrene	1.859	1.996	-7.4	103	0.00
79 S	Terphenyl-d14	1.456	1.337	8.2	89	0.00
80	Butylbenzylphthalate	0.550	0.667	-21.3	111	0.00
81	Benzo(a)anthracene	1.325	1.512	-14.1	108	0.00
82	3,3'-Dichlorobenzidine	0.427	0.496	-16.2	109	0.00
83	Chrysene	1.224	1.331	-8.7	110	0.00
84	Bis(2-ethylhexyl)phthalate	0.825	1.046	-26.8#	113	0.00
85 c	Di-n-octyl phthalate	1.582	1.939	-22.6#	112	0.00
86 I	Perylene-d12	1.000	1.000	0.0	100	0.00
87	Indeno(1,2,3-cd)pyrene	1.482	1.685	-13.7	113	0.00
88	Benzo(b)fluoranthene	1.178	1.325	-12.5	114	0.00
89	Benzo(k)fluoranthene	1.143	1.232	-7.8	115	0.00
90 C	Benzo(a)pyrene	1.120	1.274	-13.7	115	0.00
91	Dibenzo(a,h)anthracene	1.210	1.382	-14.2	112	0.00
92	Benzo(g,h,i)perylene	1.203	1.357	-12.8	112	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142720.D
Acq On : 10 Jun 2025 20:49
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF061125

Quant Time: Jun 11 05:58:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 11 05:56:09 2025
Response via : Initial Calibration

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

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range

SPCC's out = 0 CCC's out = 1

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
 Data File : BF142720.D
 Acq On : 10 Jun 2025 20:49
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 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 11 05:56:09 2025
 Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	102	0.00
2	1,4-Dioxane	40.000	40.706	-1.8	106	0.01
3	Pyridine	40.000	43.958	-9.9	112	0.01
4	n-Nitrosodimethylamine	40.000	44.403	-11.0	114	0.01
5 S	2-Fluorophenol	80.000	84.041	-5.1	108	0.00
6	Aniline	40.000	44.644	-11.6	114	0.00
7 S	Phenol-d6	80.000	83.751	-4.7	107	0.00
8	2-Chlorophenol	40.000	44.721	-11.8	113	0.00
9	Benzaldehyde	40.000	49.036	-22.6	127	0.00
10 C	Phenol	40.000	44.263	-10.7	114	0.00
11	bis(2-Chloroethyl)ether	40.000	43.725	-9.3	113	0.00
12	1,3-Dichlorobenzene	40.000	43.756	-9.4	112	0.00
13 C	1,4-Dichlorobenzene	40.000	43.933	-9.8	114	0.00
14	1,2-Dichlorobenzene	40.000	43.831	-9.6	113	0.00
15	Benzyl Alcohol	40.000	44.548	-11.4	112	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	43.622	-9.1	111	0.00
17	2-Methylphenol	40.000	44.868	-12.2	113	0.00
18	Hexachloroethane	40.000	43.420	-8.6	112	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	43.882	-9.7	112	0.00
20	3+4-Methylphenols	40.000	44.648	-11.6	113	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	99	0.00
22	Acetophenone	40.000	44.413	-11.0	112	0.00
23 S	Nitrobenzene-d5	80.000	76.808	4.0	97	0.00
24	Nitrobenzene	40.000	43.992	-10.0	110	0.00
25	Isophorone	40.000	43.695	-9.2	110	0.00
26 C	2-Nitrophenol	40.000	45.726	-14.3	113	0.00
27	2,4-Dimethylphenol	40.000	45.831	-14.6	115	0.00
28	bis(2-Chloroethoxy)methane	40.000	44.101	-10.3	111	0.00
29 C	2,4-Dichlorophenol	40.000	45.296	-13.2	113	0.00
30	1,2,4-Trichlorobenzene	40.000	44.466	-11.2	112	0.00
31	Naphthalene	40.000	44.151	-10.4	111	0.00
32	Benzoic acid	40.000	47.951	-19.9	118	0.00
33	4-Chloroaniline	40.000	44.530	-11.3	109	0.00
34 C	Hexachlorobutadiene	40.000	44.378	-10.9	111	0.00
35	Caprolactam	40.000	43.345	-8.4	110	0.00
36 C	4-Chloro-3-methylphenol	40.000	43.991	-10.0	111	0.00
37	2-Methylnaphthalene	40.000	43.503	-8.8	109	0.00
38	1-Methylnaphthalene	40.000	43.455	-8.6	110	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	97	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	44.649	-11.6	111	0.00
41 P	Hexachlorocyclopentadiene	40.000	46.731	-16.8	112	0.00
42 S	2,4,6-Tribromophenol	80.000	81.692	-2.1	102	0.00
43 C	2,4,6-Trichlorophenol	40.000	44.714	-11.8	109	0.00
44	2,4,5-Trichlorophenol	40.000	45.379	-13.4	112	0.00
45 S	2-Fluorobiphenyl	80.000	75.043	6.2	95	0.00
46	1,1'-Biphenyl	40.000	44.647	-11.6	112	0.00
47	2-Chloronaphthalene	40.000	44.040	-10.1	110	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
 Data File : BF142720.D
 Acq On : 10 Jun 2025 20:49
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
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Instrument :
 BNA_F
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Quant Time: Jun 11 05:58:28 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 11 05:56:09 2025
 Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	2-Nitroaniline	40.000	44.136	-10.3	108	0.00
49	Acenaphthylene	40.000	43.524	-8.8	108	0.00
50	Dimethylphthalate	40.000	42.773	-6.9	107	0.00
51	2,6-Dinitrotoluene	40.000	43.408	-8.5	107	0.00
52 C	Acenaphthene	40.000	43.917	-9.8	109	0.00
53	3-Nitroaniline	40.000	43.317	-8.3	107	0.00
54 P	2,4-Dinitrophenol	40.000	45.522	-13.8	111	0.00
55	Dibenzofuran	40.000	43.111	-7.8	109	0.00
56 P	4-Nitrophenol	40.000	42.908	-7.3	105	0.00
57	2,4-Dinitrotoluene	40.000	43.516	-8.8	107	0.00
58	Fluorene	40.000	42.112	-5.3	108	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	42.746	-6.9	108	0.00
60	Diethylphthalate	40.000	41.798	-4.5	107	0.00
61	4-Chlorophenyl-phenylether	40.000	42.866	-7.2	108	0.00
62	4-Nitroaniline	40.000	41.707	-4.3	105	0.00
63	Azobenzene	40.000	43.227	-8.1	109	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	93	0.00
65	4,6-Dinitro-2-methylphenol	40.000	45.188	-13.0	105	0.00
66 c	n-Nitrosodiphenylamine	40.000	45.023	-12.6	107	0.00
67	4-Bromophenyl-phenylether	40.000	46.092	-15.2	109	0.00
68	Hexachlorobenzene	40.000	44.795	-12.0	107	0.00
69	Atrazine	40.000	43.408	-8.5	103	0.00
70 C	Pentachlorophenol	40.000	44.637	-11.6	102	0.00
71	Phenanthrene	40.000	43.859	-9.6	105	0.00
72	Anthracene	40.000	44.214	-10.5	107	0.00
73	Carbazole	40.000	43.010	-7.5	103	0.00
74	Di-n-butylphthalate	40.000	42.379	-5.9	101	0.00
75 C	Fluoranthene	40.000	40.746	-1.9	100	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	97	0.00
77	Benzydine	40.000	48.599	-21.5	105	0.00
78	Pyrene	40.000	42.968	-7.4	103	0.00
79 S	Terphenyl-d14	80.000	73.446	8.2	89	0.00
80	Butylbenzylphthalate	40.000	48.561	-21.4	111	0.00
81	Benzo(a)anthracene	40.000	45.643	-14.1	108	0.00
82	3,3'-Dichlorobenzidine	40.000	46.382	-16.0	109	0.00
83	Chrysene	40.000	43.522	-8.8	110	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	50.747	-26.9#	113	0.00
85 c	Di-n-octyl phthalate	40.000	49.022	-22.6#	112	0.00
86 I	Perylene-d12	20.000	20.000	0.0	100	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	45.483	-13.7	113	0.00
88	Benzo(b)fluoranthene	40.000	45.005	-12.5	114	0.00
89	Benzo(k)fluoranthene	40.000	43.126	-7.8	115	0.00
90 C	Benzo(a)pyrene	40.000	45.514	-13.8	115	0.00
91	Dibenzo(a,h)anthracene	40.000	45.694	-14.2	112	0.00
92	Benzo(g,h,i)perylene	40.000	45.103	-12.8	112	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142720.D
Acq On : 10 Jun 2025 20:49
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF061125

Quant Time: Jun 11 05:58:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 11 05:56:09 2025
Response via : Initial Calibration

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

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

(#) = Out of Range

SPCC's out = 0 CCC's out = 1



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PARS02

Lab Code: CHEM Case No.: Q2268 SAS No.: Q2268 SDG No.: Q2268

Instrument ID: BNA_F Calibration Date/Time: 06/11/2025 09:24

Lab File ID: BF142723.D Init. Calib. Date(s): 06/10/2025 06/10/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 16:54 20:19

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.174	1.141		-2.8	
Benzaldehyde	0.856	0.818		-4.4	
Phenol-d6	1.382	1.367		-1.1	
Phenol	1.536	1.528		-0.5	20.0
bis(2-Chloroethyl)ether	1.147	1.136		-1.0	
2-Chlorophenol	1.283	1.259		-1.9	
2-Methylphenol	0.984	0.985		0.1	
2,2-oxybis(1-Chloropropane)	1.806	1.799		-0.4	
Acetophenone	0.445	0.431		-3.1	
3+4-Methylphenols	1.240	1.242		0.2	
n-Nitroso-di-n-propylamine	0.880	0.889	0.050	1.0	
Nitrobenzene-d5	0.365	0.358		-1.9	
Hexachloroethane	0.530	0.508		-4.2	
Nitrobenzene	0.324	0.320		-1.2	
Isophorone	0.619	0.614		-0.8	
2-Nitrophenol	0.181	0.182		0.6	20.0
2,4-Dimethylphenol	0.308	0.305		-1.0	
bis(2-Chloroethoxy)methane	0.384	0.380		-1.0	
2,4-Dichlorophenol	0.284	0.284		0.0	20.0
Naphthalene	0.989	0.976		-1.3	
4-Chloroaniline	0.397	0.399		0.5	
Hexachlorobutadiene	0.200	0.197		-1.5	20.0
Caprolactam	0.077	0.080		3.9	
4-Chloro-3-methylphenol	0.296	0.295		-0.3	20.0
2-Methylnaphthalene	0.626	0.619		-1.1	
Hexachlorocyclopentadiene	0.372	0.369	0.050	-0.8	
2,4,6-Trichlorophenol	0.375	0.381		1.6	20.0
2-Fluorobiphenyl	1.505	1.452		-3.5	
2,4,5-Trichlorophenol	0.405	0.395		-2.5	
1,1-Biphenyl	1.553	1.516		-2.4	
2-Chloronaphthalene	1.144	1.134		-0.9	
2-Nitroaniline	0.325	0.326		0.3	
Dimethylphthalate	1.336	1.325		-0.8	
Acenaphthylene	1.929	1.891		-2.0	
2,6-Dinitrotoluene	0.289	0.285		-1.4	
3-Nitroaniline	0.313	0.309		-1.3	
Acenaphthene	1.196	1.172		-2.0	20.0
2,4-Dinitrophenol	0.158	0.159	0.050	0.6	
4-Nitrophenol	0.212	0.215	0.050	1.4	



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PARS02

Lab Code: CHEM Case No.: Q2268 SAS No.: Q2268 SDG No.: Q2268

Instrument ID: BNA_F Calibration Date/Time: 06/11/2025 09:24

Lab File ID: BF142723.D Init. Calib. Date(s): 06/10/2025 06/10/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 16:54 20:19

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.703	1.673		-1.8	
2,4-Dinitrotoluene	0.382	0.392		2.6	
Diethylphthalate	1.324	1.318		-0.5	
4-Chlorophenyl-phenylether	0.657	0.651		-0.9	
Fluorene	1.345	1.301		-3.3	
4-Nitroaniline	0.280	0.290		3.6	
4,6-Dinitro-2-methylphenol	0.125	0.125		0.0	
n-Nitrosodiphenylamine	0.687	0.667		-2.9	20.0
2,4,6-Tribromophenol	0.219	0.218		-0.5	
4-Bromophenyl-phenylether	0.236	0.233		-1.3	
Hexachlorobenzene	0.262	0.255		-2.7	
Atrazine	0.183	0.192		4.9	
Pentachlorophenol	0.137	0.138		0.7	20.0
Phenanthrene	1.071	1.043		-2.6	
Anthracene	1.108	1.070		-3.4	
Carbazole	0.928	0.921		-0.8	
Di-n-butylphthalate	1.036	1.101		6.3	
Fluoranthene	1.019	1.017		-0.2	20.0
Pyrene	1.859	1.904		2.4	
Terphenyl-d14	1.456	1.502		3.2	
Butylbenzylphthalate	0.550	0.589		7.1	
3,3-Dichlorobenzidine	0.427	0.407		-4.7	
Benzo (a) anthracene	1.325	1.330		0.4	
Chrysene	1.224	1.168		-4.6	
Bis(2-ethylhexyl)phthalate	0.825	0.821		-0.5	
Di-n-octyl phthalate	1.582	1.500		-5.2	20.0
Benzo (b) fluoranthene	1.178	1.192		1.2	
Benzo (k) fluoranthene	1.143	1.132		-1.0	
Benzo (a) pyrene	1.120	1.112		-0.7	20.0
Indeno (1,2,3-cd) pyrene	1.482	1.501		1.3	
Dibenzo (a,h) anthracene	1.210	1.240		2.5	
Benzo (g,h,i) perylene	1.203	1.196		-0.6	
1,2,4,5-Tetrachlorobenzene	0.579	0.567		-2.1	
1,4-Dioxane	0.465	0.450		-3.2	20.0
2,3,4,6-Tetrachlorophenol	0.340	0.335		-1.5	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
 Data File : BF142723.D
 Acq On : 11 Jun 2025 09:24
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Quant Time: Jun 11 10:43:07 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 11 05:56:09 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	78219	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	306828	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	172169	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	291189	20.000	ng	0.00
76) Chrysene-d12	14.068	240	151467	20.000	ng	0.00
86) Perylene-d12	15.562	264	144700	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	356932	77.718	ng	0.00
7) Phenol-d6	6.522	99	427800	79.151	ng	0.00
23) Nitrobenzene-d5	7.463	82	438940	78.292	ng	0.00
42) 2,4,6-Tribromophenol	10.727	330	150317	79.661	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	1000211	77.182	ng	0.00
79) Terphenyl-d14	13.010	244	909882	82.504	ng	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	2.669	88	70362	38.713	ng	99
3) Pyridine	3.434	79	181890	39.912	ng	99
4) n-Nitrosodimethylamine	3.393	42	92221	39.551	ng	99
6) Aniline	6.557	93	286728	39.637	ng	99
8) 2-Chlorophenol	6.675	128	196912	39.234	ng	100
9) Benzaldehyde	6.445	77	128021	38.249	ng	99
10) Phenol	6.534	94	238989	39.780	ng	100
11) bis(2-Chloroethyl)ether	6.628	93	177643	39.588	ng	99
12) 1,3-Dichlorobenzene	6.834	146	223632	39.044	ng	99
13) 1,4-Dichlorobenzene	6.910	146	226923	39.202	ng	99
14) 1,2-Dichlorobenzene	7.063	146	216495	39.017	ng	99
15) Benzyl Alcohol	7.034	79	165174	40.433	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.169	45	281441	39.836	ng	99
17) 2-Methylphenol	7.145	107	154089	40.048	ng	100
18) Hexachloroethane	7.410	117	79503	38.325	ng	96
19) n-Nitroso-di-n-propyla...	7.310	70	139102	40.427	ng	98
20) 3+4-Methylphenols	7.298	107	194307	40.057	ng	96
22) Acetophenone	7.304	105	264649	38.775	ng	99
24) Nitrobenzene	7.481	77	196237	39.438	ng	98
25) Isophorone	7.716	82	376632	39.677	ng	100
26) 2-Nitrophenol	7.792	139	111614	40.193	ng	99
27) 2,4-Dimethylphenol	7.828	122	186898	39.530	ng	98
28) bis(2-Chloroethoxy)met...	7.928	93	233354	39.595	ng	99
29) 2,4-Dichlorophenol	8.039	162	174063	39.892	ng	99
30) 1,2,4-Trichlorobenzene	8.122	180	188170	39.027	ng	99
31) Naphthalene	8.204	128	598797	39.461	ng	100
32) Benzoic acid	7.945	122	107892	40.520	ng	99
33) 4-Chloroaniline	8.251	127	244917	40.198	ng	99
34) Hexachlorobutadiene	8.316	225	121013	39.386	ng	99
35) Caprolactam	8.622	113	48942	41.553	ng	97
36) 4-Chloro-3-methylphenol	8.728	107	181270	39.954	ng	98
37) 2-Methylnaphthalene	8.892	142	379974	39.561	ng	99
38) 1-Methylnaphthalene	8.992	142	394920	39.691	ng	99
40) 1,2,4,5-Tetrachloroben...	9.057	216	195292	39.191	ng	99
41) Hexachlorocyclopentadiene	9.045	237	127080	39.734	ng	98
43) 2,4,6-Trichlorophenol	9.169	196	131246	40.688	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
 Data File : BF142723.D
 Acq On : 11 Jun 2025 09:24
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Quant Time: Jun 11 10:43:07 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 11 05:56:09 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	135988	39.033	ng	99
46) 1,1'-Biphenyl	9.357	154	522058	39.049	ng	100
47) 2-Chloronaphthalene	9.380	162	390352	39.632	ng	100
48) 2-Nitroaniline	9.480	65	112135	40.029	ng	96
49) Acenaphthylene	9.798	152	651104	39.206	ng	99
50) Dimethylphthalate	9.657	163	456082	39.669	ng	100
51) 2,6-Dinitrotoluene	9.722	165	98186	39.514	ng	96
52) Acenaphthene	9.975	154	403723	39.208	ng	99
53) 3-Nitroaniline	9.892	138	106252	39.423	ng	97
54) 2,4-Dinitrophenol	9.998	184	54702	40.188	ng	90
55) Dibenzofuran	10.145	168	575927	39.278	ng	99
56) 4-Nitrophenol	10.045	139	73907	40.432	ng	98
57) 2,4-Dinitrotoluene	10.122	165	135035	41.102	ng	99
58) Fluorene	10.486	166	447860	38.679	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.263	232	115317	39.344	ng	100
60) Diethylphthalate	10.357	149	454002	39.823	ng	100
61) 4-Chlorophenyl-phenyle...	10.475	204	224135	39.637	ng	99
62) 4-Nitroaniline	10.504	138	99888	41.427	ng	99
63) Azobenzene	10.639	77	400645	40.239	ng	99
65) 4,6-Dinitro-2-methylph...	10.533	198	72521	39.770	ng	97
66) n-Nitrosodiphenylamine	10.598	169	388235	38.788	ng	100
67) 4-Bromophenyl-phenylether	10.969	248	135412	39.397	ng	98
68) Hexachlorobenzene	11.033	284	148372	38.888	ng	99
69) Atrazine	11.122	200	111926	41.943	ng	98
70) Pentachlorophenol	11.227	266	80252	40.127	ng	96
71) Phenanthrene	11.451	178	607696	38.955	ng	100
72) Anthracene	11.504	178	622981	38.603	ng	100
73) Carbazole	11.657	167	536095	39.681	ng	99
74) Di-n-butylphthalate	11.980	149	641208	42.505	ng	99
75) Fluoranthene	12.639	202	592143	39.918	ng	99
77) Benzidine	12.763	184	252286	46.769	ng	99
78) Pyrene	12.868	202	576896	40.985	ng	100
80) Butylbenzylphthalate	13.486	149	178350	42.848	ng	99
81) Benzo(a)anthracene	14.057	228	402953	40.146	ng	99
82) 3,3'-Dichlorobenzidine	14.021	252	123235	38.074	ng	99
83) Chrysene	14.098	228	353764	38.175	ng	100
84) Bis(2-ethylhexyl)phtha...	14.045	149	248697	39.812	ng #	99
85) Di-n-octyl phthalate	14.657	149	454287	37.906	ng	100
87) Indeno(1,2,3-cd)pyrene	17.086	276	434462	40.517	ng	100
88) Benzo(b)fluoranthene	15.121	252	344883	40.478	ng	99
89) Benzo(k)fluoranthene	15.157	252	327636	39.633	ng	100
90) Benzo(a)pyrene	15.504	252	321736	39.716	ng	99
91) Dibenzo(a,h)anthracene	17.104	278	358984	41.000	ng	98
92) Benzo(g,h,i)perylene	17.545	276	346114	39.753	ng	98

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

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

[illegible]

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
 Data File : BF142723.D
 Acq On : 11 Jun 2025 09:24
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Jun 11 10:43:07 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 11 05:56:09 2025
 Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	106	0.00
2	1,4-Dioxane	0.465	0.450	3.2	105	0.01
3	Pyridine	1.165	1.163	0.2	106	0.00
4	n-Nitrosodimethylamine	0.596	0.590	1.0	106	0.01
5 S	2-Fluorophenol	1.174	1.141	2.8	104	0.00
6	Aniline	1.850	1.833	0.9	105	0.00
7 S	Phenol-d6	1.382	1.367	1.1	105	0.00
8	2-Chlorophenol	1.283	1.259	1.9	103	0.00
9	Benzaldehyde	0.856	0.818	4.4	103	0.00
10 C	Phenol	1.536	1.528	0.5	106	0.00
11	bis(2-Chloroethyl)ether	1.147	1.136	1.0	106	0.00
12	1,3-Dichlorobenzene	1.465	1.430	2.4	104	0.00
13 C	1,4-Dichlorobenzene	1.480	1.451	2.0	106	0.00
14	1,2-Dichlorobenzene	1.419	1.384	2.5	104	0.00
15	Benzyl Alcohol	1.045	1.056	-1.1	105	0.00
16	2,2'-oxybis(1-Chloropropane	1.806	1.799	0.4	105	0.00
17	2-Methylphenol	0.984	0.985	-0.1	105	0.00
18	Hexachloroethane	0.530	0.508	4.2	103	0.00
19 P	n-Nitroso-di-n-propylamine	0.880	0.889	-1.0	107	0.00
20	3+4-Methylphenols	1.240	1.242	-0.2	106	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	105	0.00
22	Acetophenone	0.445	0.431	3.1	104	0.00
23 S	Nitrobenzene-d5	0.365	0.358	1.9	105	0.00
24	Nitrobenzene	0.324	0.320	1.2	105	0.00
25	Isophorone	0.619	0.614	0.8	107	0.00
26 C	2-Nitrophenol	0.181	0.182	-0.6	105	0.00
27	2,4-Dimethylphenol	0.308	0.305	1.0	105	0.00
28	bis(2-Chloroethoxy)methane	0.384	0.380	1.0	105	0.00
29 C	2,4-Dichlorophenol	0.284	0.284	0.0	106	0.00
30	1,2,4-Trichlorobenzene	0.314	0.307	2.2	105	0.00
31	Naphthalene	0.989	0.976	1.3	105	0.00
32	Benzoic acid	0.174	0.176	-1.1	106	0.00
33	4-Chloroaniline	0.397	0.399	-0.5	105	0.00
34 C	Hexachlorobutadiene	0.200	0.197	1.5	105	0.00
35	Caprolactam	0.077	0.080	-3.9	112	0.00
36 C	4-Chloro-3-methylphenol	0.296	0.295	0.3	107	0.00
37	2-Methylnaphthalene	0.626	0.619	1.1	105	0.00
38	1-Methylnaphthalene	0.649	0.644	0.8	107	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	105	0.00
40	1,2,4,5-Tetrachlorobenzene	0.579	0.567	2.1	105	0.00
41 P	Hexachlorocyclopentadiene	0.372	0.369	0.8	104	0.00
42 S	2,4,6-Tribromophenol	0.219	0.218	0.5	108	0.00
43 C	2,4,6-Trichlorophenol	0.375	0.381	-1.6	108	0.00
44	2,4,5-Trichlorophenol	0.405	0.395	2.5	104	0.00
45 S	2-Fluorobiphenyl	1.505	1.452	3.5	106	0.00
46	1,1'-Biphenyl	1.553	1.516	2.4	106	0.00
47	2-Chloronaphthalene	1.144	1.134	0.9	107	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
 Data File : BF142723.D
 Acq On : 11 Jun 2025 09:24
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Jun 11 10:43:07 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 11 05:56:09 2025
 Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	2-Nitroaniline	0.325	0.326	-0.3	106	0.00
49	Acenaphthylene	1.929	1.891	2.0	106	0.00
50	Dimethylphthalate	1.336	1.325	0.8	108	0.00
51	2,6-Dinitrotoluene	0.289	0.285	1.4	106	0.00
52 C	Acenaphthene	1.196	1.172	2.0	106	0.00
53	3-Nitroaniline	0.313	0.309	1.3	106	0.00
54 P	2,4-Dinitrophenol	0.158	0.159	-0.6	107	0.00
55	Dibenzofuran	1.703	1.673	1.8	107	0.00
56 P	4-Nitrophenol	0.212	0.215	-1.4	108	0.00
57	2,4-Dinitrotoluene	0.382	0.392	-2.6	110	0.00
58	Fluorene	1.345	1.301	3.3	107	0.00
59	2,3,4,6-Tetrachlorophenol	0.340	0.335	1.5	108	0.00
60	Diethylphthalate	1.324	1.318	0.5	111	0.00
61	4-Chlorophenyl-phenylether	0.657	0.651	0.9	108	0.00
62	4-Nitroaniline	0.280	0.290	-3.6	113	0.00
63	Azobenzene	1.157	1.164	-0.6	110	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	108	0.00
65	4,6-Dinitro-2-methylphenol	0.125	0.125	0.0	108	0.00
66 c	n-Nitrosodiphenylamine	0.687	0.667	2.9	108	0.00
67	4-Bromophenyl-phenylether	0.236	0.233	1.3	109	0.00
68	Hexachlorobenzene	0.262	0.255	2.7	108	0.00
69	Atrazine	0.183	0.192	-4.9	116	0.00
70 C	Pentachlorophenol	0.137	0.138	-0.7	107	0.00
71	Phenanthrene	1.071	1.043	2.6	109	0.00
72	Anthracene	1.108	1.070	3.4	109	0.00
73	Carbazole	0.928	0.921	0.8	111	0.00
74	Di-n-butylphthalate	1.036	1.101	-6.3	119	0.00
75 C	Fluoranthene	1.019	1.017	0.2	114	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	114	0.00
77	Benzydine	0.712	0.833	-17.0	118	0.00
78	Pyrene	1.859	1.904	-2.4	115	0.00
79 S	Terphenyl-d14	1.456	1.502	-3.2	117	0.00
80	Butylbenzylphthalate	0.550	0.589	-7.1	115	0.00
81	Benzo(a)anthracene	1.325	1.330	-0.4	112	0.00
82	3,3'-Dichlorobenzidine	0.427	0.407	4.7	105	0.00
83	Chrysene	1.224	1.168	4.6	113	0.00
84	Bis(2-ethylhexyl)phthalate	0.825	0.821	0.5	104	0.00
85 c	Di-n-octyl phthalate	1.582	1.500	5.2	102	0.00
86 I	Perylene-d12	1.000	1.000	0.0	98	0.00
87	Indeno(1,2,3-cd)pyrene	1.482	1.501	-1.3	98	0.00
88	Benzo(b)fluoranthene	1.178	1.192	-1.2	101	0.00
89	Benzo(k)fluoranthene	1.143	1.132	1.0	103	0.00
90 C	Benzo(a)pyrene	1.120	1.112	0.7	99	0.00
91	Dibenzo(a,h)anthracene	1.210	1.240	-2.5	99	0.00
92	Benzo(g,h,i)perylene	1.203	1.196	0.6	97	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142723.D
Acq On : 11 Jun 2025 09:24
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jun 11 10:43:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 11 05:56:09 2025
Response via : Initial Calibration

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

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
 Data File : BF142723.D
 Acq On : 11 Jun 2025 09:24
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Jun 11 10:43:07 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 11 05:56:09 2025
 Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	106	0.00
2	1,4-Dioxane	40.000	38.713	3.2	105	0.01
3	Pyridine	40.000	39.912	0.2	106	0.00
4	n-Nitrosodimethylamine	40.000	39.551	1.1	106	0.01
5 S	2-Fluorophenol	80.000	77.718	2.9	104	0.00
6	Aniline	40.000	39.637	0.9	105	0.00
7 S	Phenol-d6	80.000	79.151	1.1	105	0.00
8	2-Chlorophenol	40.000	39.234	1.9	103	0.00
9	Benzaldehyde	40.000	38.249	4.4	103	0.00
10 C	Phenol	40.000	39.780	0.5	106	0.00
11	bis(2-Chloroethyl)ether	40.000	39.588	1.0	106	0.00
12	1,3-Dichlorobenzene	40.000	39.044	2.4	104	0.00
13 C	1,4-Dichlorobenzene	40.000	39.202	2.0	106	0.00
14	1,2-Dichlorobenzene	40.000	39.017	2.5	104	0.00
15	Benzyl Alcohol	40.000	40.433	-1.1	105	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	39.836	0.4	105	0.00
17	2-Methylphenol	40.000	40.048	-0.1	105	0.00
18	Hexachloroethane	40.000	38.325	4.2	103	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	40.427	-1.1	107	0.00
20	3+4-Methylphenols	40.000	40.057	-0.1	106	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	105	0.00
22	Acetophenone	40.000	38.775	3.1	104	0.00
23 S	Nitrobenzene-d5	80.000	78.292	2.1	105	0.00
24	Nitrobenzene	40.000	39.438	1.4	105	0.00
25	Isophorone	40.000	39.677	0.8	107	0.00
26 C	2-Nitrophenol	40.000	40.193	-0.5	105	0.00
27	2,4-Dimethylphenol	40.000	39.530	1.2	105	0.00
28	bis(2-Chloroethoxy)methane	40.000	39.595	1.0	105	0.00
29 C	2,4-Dichlorophenol	40.000	39.892	0.3	106	0.00
30	1,2,4-Trichlorobenzene	40.000	39.027	2.4	105	0.00
31	Naphthalene	40.000	39.461	1.3	105	0.00
32	Benzoic acid	40.000	40.520	-1.3	106	0.00
33	4-Chloroaniline	40.000	40.198	-0.5	105	0.00
34 C	Hexachlorobutadiene	40.000	39.386	1.5	105	0.00
35	Caprolactam	40.000	41.553	-3.9	112	0.00
36 C	4-Chloro-3-methylphenol	40.000	39.954	0.1	107	0.00
37	2-Methylnaphthalene	40.000	39.561	1.1	105	0.00
38	1-Methylnaphthalene	40.000	39.691	0.8	107	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	105	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	39.191	2.0	105	0.00
41 P	Hexachlorocyclopentadiene	40.000	39.734	0.7	104	0.00
42 S	2,4,6-Tribromophenol	80.000	79.661	0.4	108	0.00
43 C	2,4,6-Trichlorophenol	40.000	40.688	-1.7	108	0.00
44	2,4,5-Trichlorophenol	40.000	39.033	2.4	104	0.00
45 S	2-Fluorobiphenyl	80.000	77.182	3.5	106	0.00
46	1,1'-Biphenyl	40.000	39.049	2.4	106	0.00
47	2-Chloronaphthalene	40.000	39.632	0.9	107	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
 Data File : BF142723.D
 Acq On : 11 Jun 2025 09:24
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Jun 11 10:43:07 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 11 05:56:09 2025
 Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	2-Nitroaniline	40.000	40.029	-0.1	106	0.00
49	Acenaphthylene	40.000	39.206	2.0	106	0.00
50	Dimethylphthalate	40.000	39.669	0.8	108	0.00
51	2,6-Dinitrotoluene	40.000	39.514	1.2	106	0.00
52 C	Acenaphthene	40.000	39.208	2.0	106	0.00
53	3-Nitroaniline	40.000	39.423	1.4	106	0.00
54 P	2,4-Dinitrophenol	40.000	40.188	-0.5	107	0.00
55	Dibenzofuran	40.000	39.278	1.8	107	0.00
56 P	4-Nitrophenol	40.000	40.432	-1.1	108	0.00
57	2,4-Dinitrotoluene	40.000	41.102	-2.8	110	0.00
58	Fluorene	40.000	38.679	3.3	107	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	39.344	1.6	108	0.00
60	Diethylphthalate	40.000	39.823	0.4	111	0.00
61	4-Chlorophenyl-phenylether	40.000	39.637	0.9	108	0.00
62	4-Nitroaniline	40.000	41.427	-3.6	113	0.00
63	Azobenzene	40.000	40.239	-0.6	110	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	108	0.00
65	4,6-Dinitro-2-methylphenol	40.000	39.770	0.6	108	0.00
66 c	n-Nitrosodiphenylamine	40.000	38.788	3.0	108	0.00
67	4-Bromophenyl-phenylether	40.000	39.397	1.5	109	0.00
68	Hexachlorobenzene	40.000	38.888	2.8	108	0.00
69	Atrazine	40.000	41.943	-4.9	116	0.00
70 C	Pentachlorophenol	40.000	40.127	-0.3	107	0.00
71	Phenanthrene	40.000	38.955	2.6	109	0.00
72	Anthracene	40.000	38.603	3.5	109	0.00
73	Carbazole	40.000	39.681	0.8	111	0.00
74	Di-n-butylphthalate	40.000	42.505	-6.3	119	0.00
75 C	Fluoranthene	40.000	39.918	0.2	114	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	114	0.00
77	Benzydine	40.000	46.769	-16.9	118	0.00
78	Pyrene	40.000	40.985	-2.5	115	0.00
79 S	Terphenyl-d14	80.000	82.504	-3.1	117	0.00
80	Butylbenzylphthalate	40.000	42.848	-7.1	115	0.00
81	Benzo(a)anthracene	40.000	40.146	-0.4	112	0.00
82	3,3'-Dichlorobenzidine	40.000	38.074	4.8	105	0.00
83	Chrysene	40.000	38.175	4.6	113	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	39.812	0.5	104	0.00
85 c	Di-n-octyl phthalate	40.000	37.906	5.2	102	0.00
86 I	Perylene-d12	20.000	20.000	0.0	98	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	40.517	-1.3	98	0.00
88	Benzo(b)fluoranthene	40.000	40.478	-1.2	101	0.00
89	Benzo(k)fluoranthene	40.000	39.633	0.9	103	0.00
90 C	Benzo(a)pyrene	40.000	39.716	0.7	99	0.00
91	Dibenzo(a,h)anthracene	40.000	41.000	-2.5	99	0.00
92	Benzo(g,h,i)perylene	40.000	39.753	0.6	97	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142723.D
Acq On : 11 Jun 2025 09:24
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jun 11 10:43:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 11 05:56:09 2025
Response via : Initial Calibration

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

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

(#) = Out of Range

SPCC's out = 0 CCC's out = 0



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PARS02

Lab Code: CHEM Case No.: Q2268 SAS No.: Q2268 SDG No.: Q2268

Instrument ID: BNA_F Calibration Date/Time: 06/12/2025 09:50

Lab File ID: BF142748.D Init. Calib. Date(s): 06/10/2025 06/10/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 16:54 20:19

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.174	1.175		0.1	
Benzaldehyde	0.856	0.797		-6.9	
Phenol-d6	1.382	1.342		-2.9	
Phenol	1.536	1.497		-2.5	20.0
bis(2-Chloroethyl)ether	1.147	1.093		-4.7	
2-Chlorophenol	1.283	1.262		-1.6	
2-Methylphenol	0.984	0.951		-3.4	
2,2-oxybis(1-Chloropropane)	1.806	1.699		-5.9	
Acetophenone	0.445	0.432		-2.9	
3+4-Methylphenols	1.240	1.171		-5.6	
n-Nitroso-di-n-propylamine	0.880	0.795	0.050	-9.7	
Nitrobenzene-d5	0.365	0.362		-0.8	
Hexachloroethane	0.530	0.514		-3.0	
Nitrobenzene	0.324	0.324		0.0	
Isophorone	0.619	0.568		-8.2	
2-Nitrophenol	0.181	0.176		-2.8	20.0
2,4-Dimethylphenol	0.308	0.303		-1.6	
bis(2-Chloroethoxy)methane	0.384	0.365		-4.9	
2,4-Dichlorophenol	0.284	0.278		-2.1	20.0
Naphthalene	0.989	0.963		-2.6	
4-Chloroaniline	0.397	0.377		-5.0	
Hexachlorobutadiene	0.200	0.199		-0.5	20.0
Caprolactam	0.077	0.066		-14.3	
4-Chloro-3-methylphenol	0.296	0.272		-8.1	20.0
2-Methylnaphthalene	0.626	0.589		-5.9	
Hexachlorocyclopentadiene	0.372	0.359	0.050	-3.5	
2,4,6-Trichlorophenol	0.375	0.381		1.6	20.0
2-Fluorobiphenyl	1.505	1.507		0.1	
2,4,5-Trichlorophenol	0.405	0.402		-0.7	
1,1-Biphenyl	1.553	1.558		0.3	
2-Chloronaphthalene	1.144	1.155		1.0	
2-Nitroaniline	0.325	0.314		-3.4	
Dimethylphthalate	1.336	1.248		-6.6	
Acenaphthylene	1.929	1.913		-0.8	
2,6-Dinitrotoluene	0.289	0.266		-8.0	
3-Nitroaniline	0.313	0.290		-7.3	
Acenaphthene	1.196	1.155		-3.4	20.0
2,4-Dinitrophenol	0.158	0.125	0.050	-20.9	
4-Nitrophenol	0.212	0.185	0.050	-12.7	



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PARS02

Lab Code: CHEM Case No.: Q2268 SAS No.: Q2268 SDG No.: Q2268

Instrument ID: BNA_F Calibration Date/Time: 06/12/2025 09:50

Lab File ID: BF142748.D Init. Calib. Date(s): 06/10/2025 06/10/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 16:54 20:19

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.703	1.644		-3.5	
2,4-Dinitrotoluene	0.382	0.352		-7.9	
Diethylphthalate	1.324	1.176		-11.2	
4-Chlorophenyl-phenylether	0.657	0.619		-5.8	
Fluorene	1.345	1.257		-6.5	
4-Nitroaniline	0.280	0.254		-9.3	
4,6-Dinitro-2-methylphenol	0.125	0.114		-8.8	
n-Nitrosodiphenylamine	0.687	0.684		-0.4	20.0
2,4,6-Tribromophenol	0.219	0.199		-9.1	
4-Bromophenyl-phenylether	0.236	0.231		-2.1	
Hexachlorobenzene	0.262	0.254		-3.1	
Atrazine	0.183	0.167		-8.7	
Pentachlorophenol	0.137	0.127		-7.3	20.0
Phenanthrene	1.071	1.031		-3.7	
Anthracene	1.108	1.071		-3.3	
Carbazole	0.928	0.892		-3.9	
Di-n-butylphthalate	1.036	0.951		-8.2	
Fluoranthene	1.019	0.949		-6.9	20.0
Pyrene	1.859	1.594		-14.3	
Terphenyl-d14	1.456	1.245		-14.5	
Butylbenzylphthalate	0.550	0.566		2.9	
3,3-Dichlorobenzidine	0.427	0.465		8.9	
Benzo (a) anthracene	1.325	1.297		-2.1	
Chrysene	1.224	1.214		-0.8	
Bis(2-ethylhexyl)phthalate	0.825	0.883		7.0	
Di-n-octyl phthalate	1.582	1.645		4.0	20.0
Benzo (b) fluoranthene	1.178	1.089		-7.6	
Benzo (k) fluoranthene	1.143	1.134		-0.8	
Benzo (a) pyrene	1.120	1.094		-2.3	20.0
Indeno (1,2,3-cd) pyrene	1.482	1.417		-4.4	
Dibenzo (a,h) anthracene	1.210	1.148		-5.1	
Benzo (g,h,i) perylene	1.203	1.125		-6.5	
1,2,4,5-Tetrachlorobenzene	0.579	0.594		2.6	
1,4-Dioxane	0.465	0.477		2.6	20.0
2,3,4,6-Tetrachlorophenol	0.340	0.314		-7.6	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061225\
 Data File : BF142748.D
 Acq On : 12 Jun 2025 09:50
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Quant Time: Jun 12 11:52:50 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 11 05:56:09 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	70133	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	258971	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	130776	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	201441	20.000	ng	0.00
76) Chrysene-d12	14.068	240	120471	20.000	ng	0.00
86) Perylene-d12	15.562	264	146263	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	329486	80.014	ng	0.00
7) Phenol-d6	6.522	99	376588	77.709	ng	0.00
23) Nitrobenzene-d5	7.457	82	374556	79.154	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	104333	72.793	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	788374	80.091	ng	0.00
79) Terphenyl-d14	13.010	244	600158	68.422	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.663	88	66882	41.041	ng	99
3) Pyridine	3.434	79	165652	40.540	ng	99
4) n-Nitrosodimethylamine	3.387	42	83985	40.171	ng	97
6) Aniline	6.557	93	250577	38.633	ng	99
8) 2-Chlorophenol	6.675	128	177033	39.340	ng	99
9) Benzaldehyde	6.445	77	111764	37.242	ng	98
10) Phenol	6.534	94	209919	38.970	ng	100
11) bis(2-Chloroethyl)ether	6.628	93	153270	38.094	ng	100
12) 1,3-Dichlorobenzene	6.834	146	200489	39.039	ng	100
13) 1,4-Dichlorobenzene	6.910	146	203549	39.218	ng	99
14) 1,2-Dichlorobenzene	7.063	146	191488	38.489	ng	100
15) Benzyl Alcohol	7.034	79	138577	37.834	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.163	45	238329	37.623	ng	97
17) 2-Methylphenol	7.145	107	133351	38.654	ng	98
18) Hexachloroethane	7.404	117	72032	38.727	ng	99
19) n-Nitroso-di-n-propyla...	7.304	70	111480	36.135	ng	99
20) 3+4-Methylphenols	7.298	107	164259	37.767	ng	96
22) Acetophenone	7.304	105	223776	38.846	ng	98
24) Nitrobenzene	7.475	77	167873	39.972	ng	97
25) Isophorone	7.716	82	294180	36.718	ng	99
26) 2-Nitrophenol	7.792	139	91018	38.833	ng	99
27) 2,4-Dimethylphenol	7.828	122	157079	39.362	ng	98
28) bis(2-Chloroethoxy)met...	7.922	93	188926	37.980	ng	99
29) 2,4-Dichlorophenol	8.033	162	143852	39.061	ng	99
30) 1,2,4-Trichlorobenzene	8.116	180	160740	39.499	ng	99
31) Naphthalene	8.198	128	498957	38.957	ng	99
32) Benzoic acid	7.933	122	78408	34.889	ng	99
33) 4-Chloroaniline	8.245	127	195086	37.937	ng	98
34) Hexachlorobutadiene	8.316	225	103103	39.758	ng	99
35) Caprolactam	8.610	113	34257	34.460	ng	98
36) 4-Chloro-3-methylphenol	8.722	107	141074	36.840	ng	97
37) 2-Methylnaphthalene	8.886	142	305097	37.635	ng	99
38) 1-Methylnaphthalene	8.986	142	316731	37.715	ng	99
40) 1,2,4,5-Tetrachloroben...	9.057	216	155435	41.066	ng	99
41) Hexachlorocyclopentadiene	9.039	237	94006	38.696	ng	100
43) 2,4,6-Trichlorophenol	9.169	196	99742	40.709	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061225\
 Data File : BF142748.D
 Acq On : 12 Jun 2025 09:50
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Quant Time: Jun 12 11:52:50 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 11 05:56:09 2025
 Response via : Initial Calibration

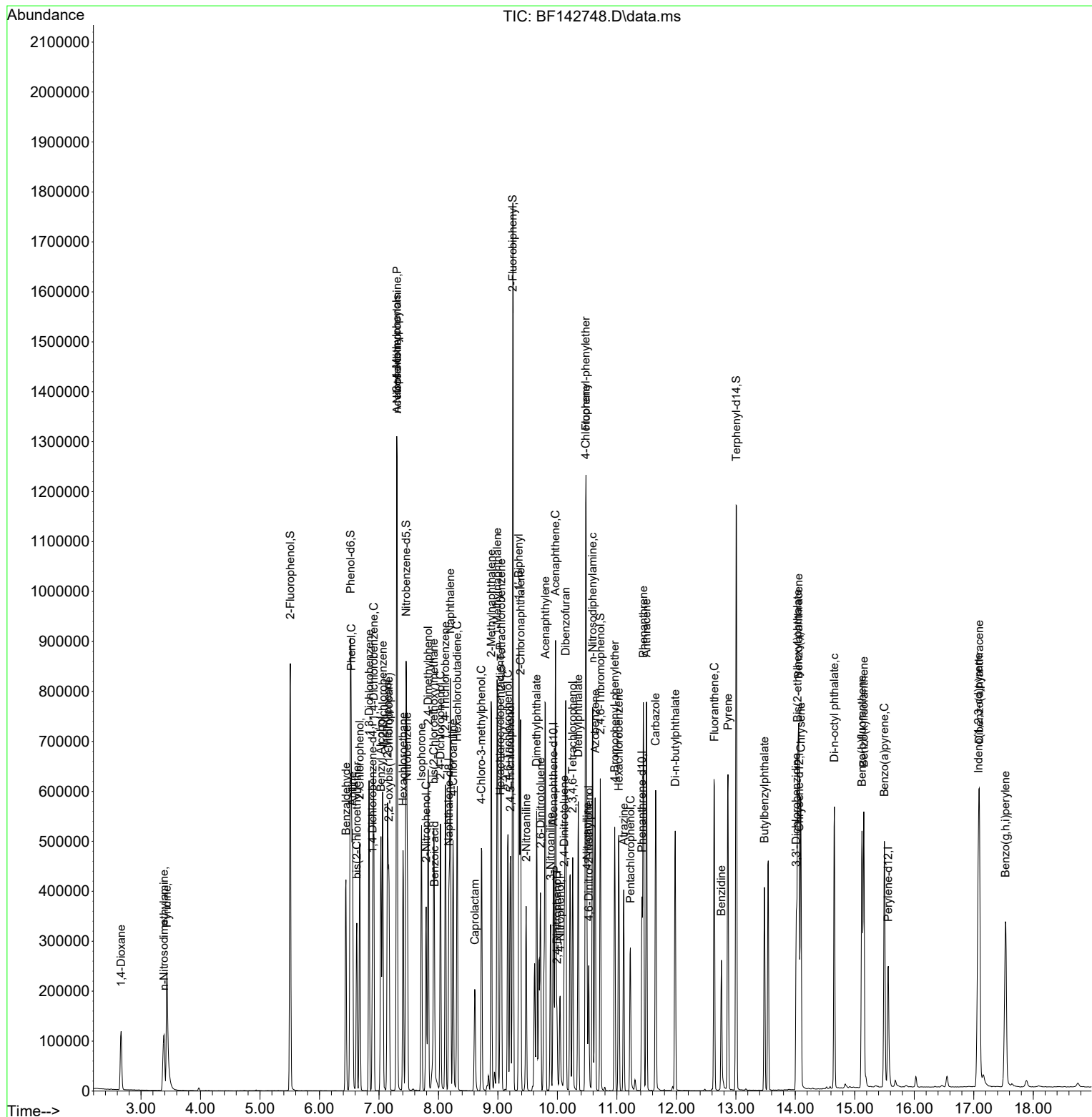
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	105174	39.743	ng	98
46) 1,1'-Biphenyl	9.351	154	407565	40.135	ng	100
47) 2-Chloronaphthalene	9.380	162	302204	40.394	ng	99
48) 2-Nitroaniline	9.475	65	82073	38.571	ng	97
49) Acenaphthylene	9.798	152	500419	39.670	ng	99
50) Dimethylphthalate	9.651	163	326405	37.376	ng	100
51) 2,6-Dinitrotoluene	9.716	165	69605	36.878	ng	94
52) Acenaphthene	9.969	154	301998	38.612	ng	100
53) 3-Nitroaniline	9.886	138	75792	37.023	ng	100
54) 2,4-Dinitrophenol	9.992	184	32667	31.596	ng	93
55) Dibenzofuran	10.139	168	429895	38.599	ng	99
56) 4-Nitrophenol	10.045	139	48481	34.917	ng	98
57) 2,4-Dinitrotoluene	10.116	165	91979	36.858	ng	98
58) Fluorene	10.480	166	328798	37.384	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.257	232	82049	36.854	ng	99
60) Diethylphthalate	10.351	149	307692	35.532	ng	100
61) 4-Chlorophenyl-phenyle...	10.475	204	162013	37.719	ng	98
62) 4-Nitroaniline	10.498	138	66486	36.302	ng	99
63) Azobenzene	10.633	77	276276	36.531	ng	99
65) 4,6-Dinitro-2-methylph...	10.527	198	45921	36.403	ng	96
66) n-Nitrosodiphenylamine	10.592	169	275769	39.826	ng	99
67) 4-Bromophenyl-phenylether	10.963	248	93175	39.186	ng	97
68) Hexachlorobenzene	11.033	284	102465	38.821	ng	97
69) Atrazine	11.116	200	67086	36.340	ng	99
70) Pentachlorophenol	11.227	266	51113	36.943	ng	99
71) Phenanthrene	11.445	178	415432	38.495	ng	100
72) Anthracene	11.498	178	431416	38.643	ng	99
73) Carbazole	11.651	167	359418	38.456	ng	99
74) Di-n-butylphthalate	11.980	149	383024	36.702	ng	100
75) Fluoranthene	12.639	202	382336	37.257	ng	100
77) Benzidine	12.757	184	166513	38.811	ng	99
78) Pyrene	12.868	202	384138	34.312	ng	99
80) Butylbenzylphthalate	13.480	149	136432	41.210	ng	98
81) Benzo(a)anthracene	14.057	228	312617	39.159	ng	99
82) 3,3'-Dichlorobenzidine	14.015	252	112029	43.517	ng	99
83) Chrysene	14.092	228	292572	39.694	ng	100
84) Bis(2-ethylhexyl)phtha...	14.039	149	212853	42.841	ng	99
85) Di-n-octyl phthalate	14.657	149	396275	41.573	ng	100
87) Indeno(1,2,3-cd)pyrene	17.080	276	414622	38.253	ng	99
88) Benzo(b)fluoranthene	15.121	252	318602	36.994	ng	100
89) Benzo(k)fluoranthene	15.151	252	331629	39.687	ng	99
90) Benzo(a)pyrene	15.498	252	319962	39.075	ng	99
91) Dibenzo(a,h)anthracene	17.092	278	335674	37.928	ng	100
92) Benzo(g,h,i)perylene	17.533	276	328990	37.382	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061225\
Data File : BF142748.D
Acq On : 12 Jun 2025 09:50
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Jun 12 11:52:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 11 05:56:09 2025
 Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	95	0.00
2	1,4-Dioxane	0.465	0.477	-2.6	100	0.00
3	Pyridine	1.165	1.181	-1.4	97	0.00
4	n-Nitrosodimethylamine	0.596	0.599	-0.5	96	0.00
5 S	2-Fluorophenol	1.174	1.175	-0.1	96	0.00
6	Aniline	1.850	1.786	3.5	92	0.00
7 S	Phenol-d6	1.382	1.342	2.9	93	0.00
8	2-Chlorophenol	1.283	1.262	1.6	93	0.00
9	Benzaldehyde	0.856	0.797	6.9	90	0.00
10 C	Phenol	1.536	1.497	2.5	93	0.00
11	bis(2-Chloroethyl)ether	1.147	1.093	4.7	92	0.00
12	1,3-Dichlorobenzene	1.465	1.429	2.5	93	0.00
13 C	1,4-Dichlorobenzene	1.480	1.451	2.0	95	0.00
14	1,2-Dichlorobenzene	1.419	1.365	3.8	92	0.00
15	Benzyl Alcohol	1.045	0.988	5.5	88	0.00
16	2,2'-oxybis(1-Chloropropane	1.806	1.699	5.9	89	0.00
17	2-Methylphenol	0.984	0.951	3.4	91	0.00
18	Hexachloroethane	0.530	0.514	3.0	93	0.00
19 P	n-Nitroso-di-n-propylamine	0.880	0.795	9.7	86	0.00
20	3+4-Methylphenols	1.240	1.171	5.6	89	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	88	0.00
22	Acetophenone	0.445	0.432	2.9	88	0.00
23 S	Nitrobenzene-d5	0.365	0.362	0.8	89	0.00
24	Nitrobenzene	0.324	0.324	0.0	90	0.00
25	Isophorone	0.619	0.568	8.2	83	0.00
26 C	2-Nitrophenol	0.181	0.176	2.8	86	0.00
27	2,4-Dimethylphenol	0.308	0.303	1.6	88	0.00
28	bis(2-Chloroethoxy)methane	0.384	0.365	4.9	85	0.00
29 C	2,4-Dichlorophenol	0.284	0.278	2.1	88	0.00
30	1,2,4-Trichlorobenzene	0.314	0.310	1.3	89	0.00
31	Naphthalene	0.989	0.963	2.6	88	0.00
32	Benzoic acid	0.174	0.151	13.2	77	-0.01
33	4-Chloroaniline	0.397	0.377	5.0	83	0.00
34 C	Hexachlorobutadiene	0.200	0.199	0.5	89	0.00
35	Caprolactam	0.077	0.066	14.3	78	-0.01
36 C	4-Chloro-3-methylphenol	0.296	0.272	8.1	83	0.00
37	2-Methylnaphthalene	0.626	0.589	5.9	84	0.00
38	1-Methylnaphthalene	0.649	0.612	5.7	86	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	80	0.00
40	1,2,4,5-Tetrachlorobenzene	0.579	0.594	-2.6	84	0.00
41 P	Hexachlorocyclopentadiene	0.372	0.359	3.5	77	0.00
42 S	2,4,6-Tribromophenol	0.219	0.199	9.1	75	0.00
43 C	2,4,6-Trichlorophenol	0.375	0.381	-1.6	82	0.00
44	2,4,5-Trichlorophenol	0.405	0.402	0.7	81	0.00
45 S	2-Fluorobiphenyl	1.505	1.507	-0.1	84	0.00
46	1,1'-Biphenyl	1.553	1.558	-0.3	83	0.00
47	2-Chloronaphthalene	1.144	1.155	-1.0	83	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061225\
 Data File : BF142748.D
 Acq On : 12 Jun 2025 09:50
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Jun 12 11:52:50 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 11 05:56:09 2025
 Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	2-Nitroaniline	0.325	0.314	3.4	78	0.00
49	Acenaphthylene	1.929	1.913	0.8	81	0.00
50	Dimethylphthalate	1.336	1.248	6.6	77	0.00
51	2,6-Dinitrotoluene	0.289	0.266	8.0	75	0.00
52 C	Acenaphthene	1.196	1.155	3.4	79	0.00
53	3-Nitroaniline	0.313	0.290	7.3	76	0.00
54 P	2,4-Dinitrophenol	0.158	0.125	20.9	64	0.00
55	Dibenzofuran	1.703	1.644	3.5	80	0.00
56 P	4-Nitrophenol	0.212	0.185	12.7	71	0.00
57	2,4-Dinitrotoluene	0.382	0.352	7.9	75	0.00
58	Fluorene	1.345	1.257	6.5	79	0.00
59	2,3,4,6-Tetrachlorophenol	0.340	0.314	7.6	77	0.00
60	Diethylphthalate	1.324	1.176	11.2	75	0.00
61	4-Chlorophenyl-phenylether	0.657	0.619	5.8	78	0.00
62	4-Nitroaniline	0.280	0.254	9.3	75	0.00
63	Azobenzene	1.157	1.056	8.7	76	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	75	0.00
65	4,6-Dinitro-2-methylphenol	0.125	0.114	8.8	68	0.00
66 c	n-Nitrosodiphenylamine	0.687	0.684	0.4	76	0.00
67	4-Bromophenyl-phenylether	0.236	0.231	2.1	75	0.00
68	Hexachlorobenzene	0.262	0.254	3.1	75	0.00
69	Atrazine	0.183	0.167	8.7	70	0.00
70 C	Pentachlorophenol	0.137	0.127	7.3	68	0.00
71	Phenanthrene	1.071	1.031	3.7	75	0.00
72	Anthracene	1.108	1.071	3.3	76	0.00
73	Carbazole	0.928	0.892	3.9	75	0.00
74	Di-n-butylphthalate	1.036	0.951	8.2	71	0.00
75 C	Fluoranthene	1.019	0.949	6.9	74	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	90	0.00
77	Benzydine	0.712	0.691	2.9	78	0.00
78	Pyrene	1.859	1.594	14.3	76	0.00
79 S	Terphenyl-d14	1.456	1.245	14.5	77	0.00
80	Butylbenzylphthalate	0.550	0.566	-2.9	88	0.00
81	Benzo(a)anthracene	1.325	1.297	2.1	87	0.00
82	3,3'-Dichlorobenzidine	0.427	0.465	-8.9	95	0.00
83	Chrysene	1.224	1.214	0.8	94	0.00
84	Bis(2-ethylhexyl)phthalate	0.825	0.883	-7.0	89	0.00
85 c	Di-n-octyl phthalate	1.582	1.645	-4.0	89	0.00
86 I	Perylene-d12	1.000	1.000	0.0	99	0.00
87	Indeno(1,2,3-cd)pyrene	1.482	1.417	4.4	94	0.00
88	Benzo(b)fluoranthene	1.178	1.089	7.6	93	0.00
89	Benzo(k)fluoranthene	1.143	1.134	0.8	105	0.00
90 C	Benzo(a)pyrene	1.120	1.094	2.3	98	0.00
91	Dibenzo(a,h)anthracene	1.210	1.148	5.1	92	0.00
92	Benzo(g,h,i)perylene	1.203	1.125	6.5	92	-0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF0611225\
Data File : BF142748.D
Acq On : 12 Jun 2025 09:50
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jun 12 11:52:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 11 05:56:09 2025
Response via : Initial Calibration

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

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF0611225\
 Data File : BF142748.D
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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	95	0.00
2	1,4-Dioxane	40.000	41.041	-2.6	100	0.00
3	Pyridine	40.000	40.540	-1.3	97	0.00
4	n-Nitrosodimethylamine	40.000	40.171	-0.4	96	0.00
5 S	2-Fluorophenol	80.000	80.014	-0.0	96	0.00
6	Aniline	40.000	38.633	3.4	92	0.00
7 S	Phenol-d6	80.000	77.709	2.9	93	0.00
8	2-Chlorophenol	40.000	39.340	1.6	93	0.00
9	Benzaldehyde	40.000	37.242	6.9	90	0.00
10 C	Phenol	40.000	38.970	2.6	93	0.00
11	bis(2-Chloroethyl)ether	40.000	38.094	4.8	92	0.00
12	1,3-Dichlorobenzene	40.000	39.039	2.4	93	0.00
13 C	1,4-Dichlorobenzene	40.000	39.218	2.0	95	0.00
14	1,2-Dichlorobenzene	40.000	38.489	3.8	92	0.00
15	Benzyl Alcohol	40.000	37.834	5.4	88	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	37.623	5.9	89	0.00
17	2-Methylphenol	40.000	38.654	3.4	91	0.00
18	Hexachloroethane	40.000	38.727	3.2	93	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	36.135	9.7	86	0.00
20	3+4-Methylphenols	40.000	37.767	5.6	89	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	88	0.00
22	Acetophenone	40.000	38.846	2.9	88	0.00
23 S	Nitrobenzene-d5	80.000	79.154	1.1	89	0.00
24	Nitrobenzene	40.000	39.972	0.1	90	0.00
25	Isophorone	40.000	36.718	8.2	83	0.00
26 C	2-Nitrophenol	40.000	38.833	2.9	86	0.00
27	2,4-Dimethylphenol	40.000	39.362	1.6	88	0.00
28	bis(2-Chloroethoxy)methane	40.000	37.980	5.1	85	0.00
29 C	2,4-Dichlorophenol	40.000	39.061	2.3	88	0.00
30	1,2,4-Trichlorobenzene	40.000	39.499	1.3	89	0.00
31	Naphthalene	40.000	38.957	2.6	88	0.00
32	Benzoic acid	40.000	34.889	12.8	77	-0.01
33	4-Chloroaniline	40.000	37.937	5.2	83	0.00
34 C	Hexachlorobutadiene	40.000	39.758	0.6	89	0.00
35	Caprolactam	40.000	34.460	13.8	78	-0.01
36 C	4-Chloro-3-methylphenol	40.000	36.840	7.9	83	0.00
37	2-Methylnaphthalene	40.000	37.635	5.9	84	0.00
38	1-Methylnaphthalene	40.000	37.715	5.7	86	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	80	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	41.066	-2.7	84	0.00
41 P	Hexachlorocyclopentadiene	40.000	38.696	3.3	77	0.00
42 S	2,4,6-Tribromophenol	80.000	72.793	9.0	75	0.00
43 C	2,4,6-Trichlorophenol	40.000	40.709	-1.8	82	0.00
44	2,4,5-Trichlorophenol	40.000	39.743	0.6	81	0.00
45 S	2-Fluorobiphenyl	80.000	80.091	-0.1	84	0.00
46	1,1'-Biphenyl	40.000	40.135	-0.3	83	0.00
47	2-Chloronaphthalene	40.000	40.394	-1.0	83	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061225\
 Data File : BF142748.D
 Acq On : 12 Jun 2025 09:50
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Jun 12 11:52:50 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 11 05:56:09 2025
 Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	2-Nitroaniline	40.000	38.571	3.6	78	0.00
49	Acenaphthylene	40.000	39.670	0.8	81	0.00
50	Dimethylphthalate	40.000	37.376	6.6	77	0.00
51	2,6-Dinitrotoluene	40.000	36.878	7.8	75	0.00
52 C	Acenaphthene	40.000	38.612	3.5	79	0.00
53	3-Nitroaniline	40.000	37.023	7.4	76	0.00
54 P	2,4-Dinitrophenol	40.000	31.596	21.0	64	0.00
55	Dibenzofuran	40.000	38.599	3.5	80	0.00
56 P	4-Nitrophenol	40.000	34.917	12.7	71	0.00
57	2,4-Dinitrotoluene	40.000	36.858	7.9	75	0.00
58	Fluorene	40.000	37.384	6.5	79	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	36.854	7.9	77	0.00
60	Diethylphthalate	40.000	35.532	11.2	75	0.00
61	4-Chlorophenyl-phenylether	40.000	37.719	5.7	78	0.00
62	4-Nitroaniline	40.000	36.302	9.2	75	0.00
63	Azobenzene	40.000	36.531	8.7	76	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	75	0.00
65	4,6-Dinitro-2-methylphenol	40.000	36.403	9.0	68	0.00
66 c	n-Nitrosodiphenylamine	40.000	39.826	0.4	76	0.00
67	4-Bromophenyl-phenylether	40.000	39.186	2.0	75	0.00
68	Hexachlorobenzene	40.000	38.821	2.9	75	0.00
69	Atrazine	40.000	36.340	9.1	70	0.00
70 C	Pentachlorophenol	40.000	36.943	7.6	68	0.00
71	Phenanthrene	40.000	38.495	3.8	75	0.00
72	Anthracene	40.000	38.643	3.4	76	0.00
73	Carbazole	40.000	38.456	3.9	75	0.00
74	Di-n-butylphthalate	40.000	36.702	8.2	71	0.00
75 C	Fluoranthene	40.000	37.257	6.9	74	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	90	0.00
77	Benzydine	40.000	38.811	3.0	78	0.00
78	Pyrene	40.000	34.312	14.2	76	0.00
79 S	Terphenyl-d14	80.000	68.422	14.5	77	0.00
80	Butylbenzylphthalate	40.000	41.210	-3.0	88	0.00
81	Benzo(a)anthracene	40.000	39.159	2.1	87	0.00
82	3,3'-Dichlorobenzidine	40.000	43.517	-8.8	95	0.00
83	Chrysene	40.000	39.694	0.8	94	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	42.841	-7.1	89	0.00
85 c	Di-n-octyl phthalate	40.000	41.573	-3.9	89	0.00
86 I	Perylene-d12	20.000	20.000	0.0	99	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	38.253	4.4	94	0.00
88	Benzo(b)fluoranthene	40.000	36.994	7.5	93	0.00
89	Benzo(k)fluoranthene	40.000	39.687	0.8	105	0.00
90 C	Benzo(a)pyrene	40.000	39.075	2.3	98	0.00
91	Dibenzo(a,h)anthracene	40.000	37.928	5.2	92	0.00
92	Benzo(g,h,i)perylene	40.000	37.382	6.5	92	-0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF0611225\
Data File : BF142748.D
Acq On : 12 Jun 2025 09:50
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jun 12 11:52:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 11 05:56:09 2025
Response via : Initial Calibration

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

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

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



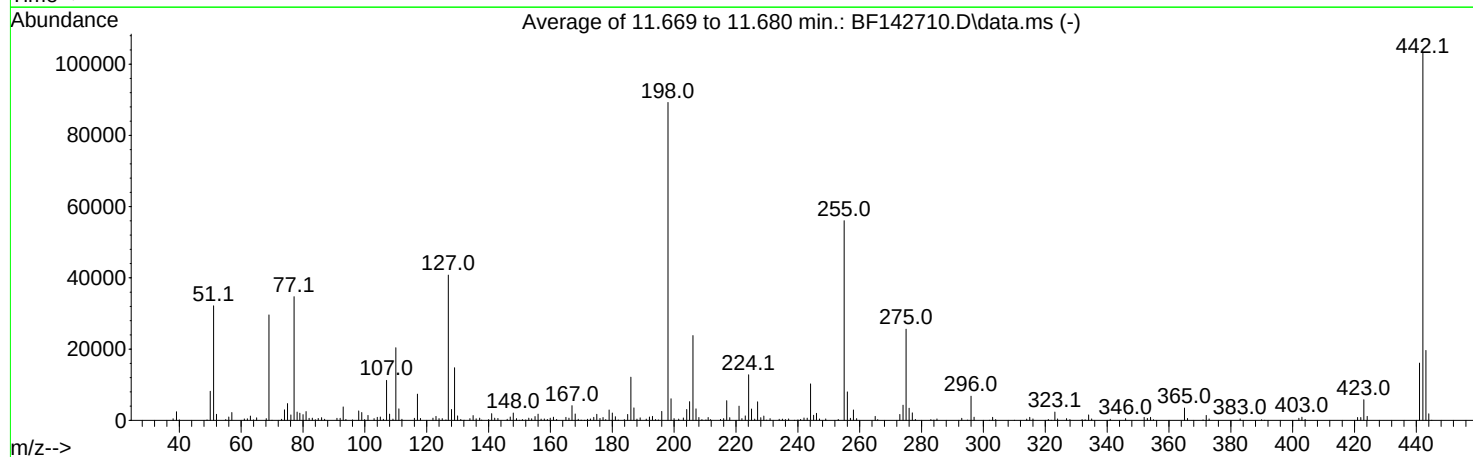
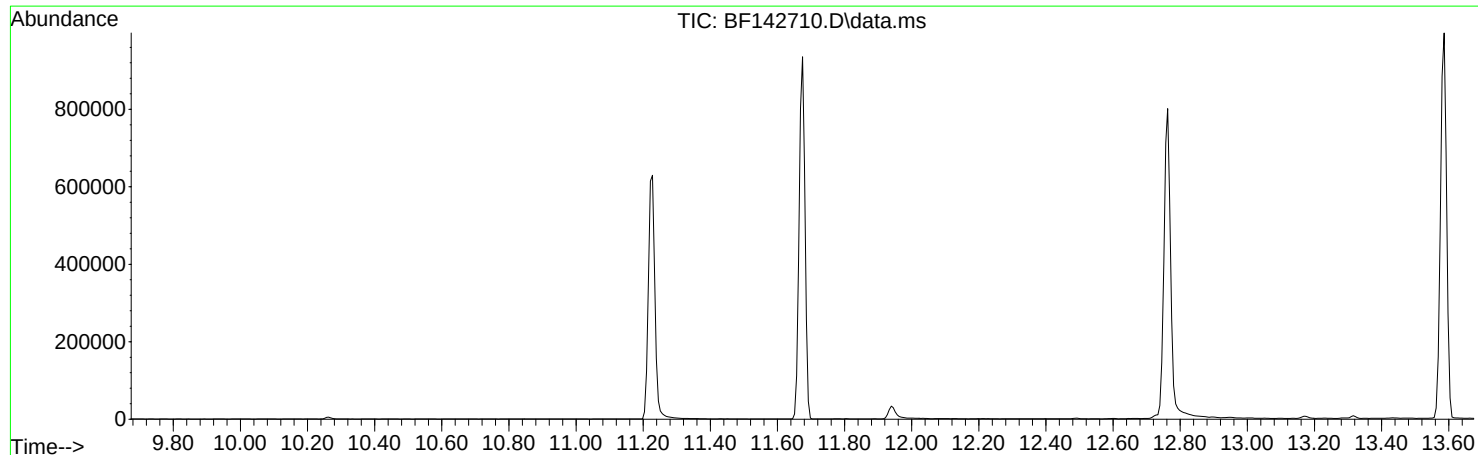
QC SAMPLE DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142710.D
Acq On : 10 Jun 2025 15:42
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-BF061125.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jun 11 05:56:09 2025



AutoFind: Scans 1611, 1612, 1613; Background Corrected with Scan 1605

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	36.0	32160	PASS
68	69	0.00	2	1.7	514	PASS
69	198	0.00	100	33.2	29603	PASS
70	69	0.00	2	0.2	55	PASS
127	198	10	80	45.7	40781	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	89240	PASS
199	198	5	9	6.8	6083	PASS
275	198	10	60	28.7	25613	PASS
365	198	1	100	3.9	3449	PASS
441	198	0.01	100	18.0	16079	PASS
442	442	50	100	100.0	103267	PASS
443	442	15	24	19.0	19634	PASS

DDT Breakdown

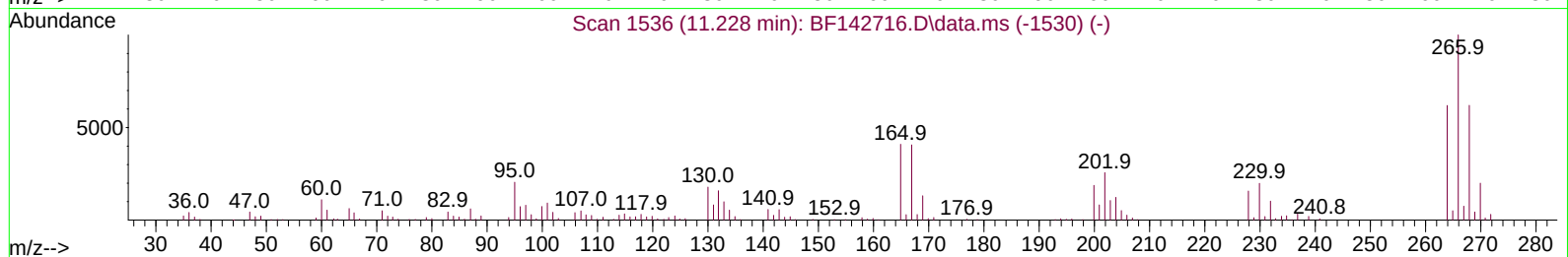
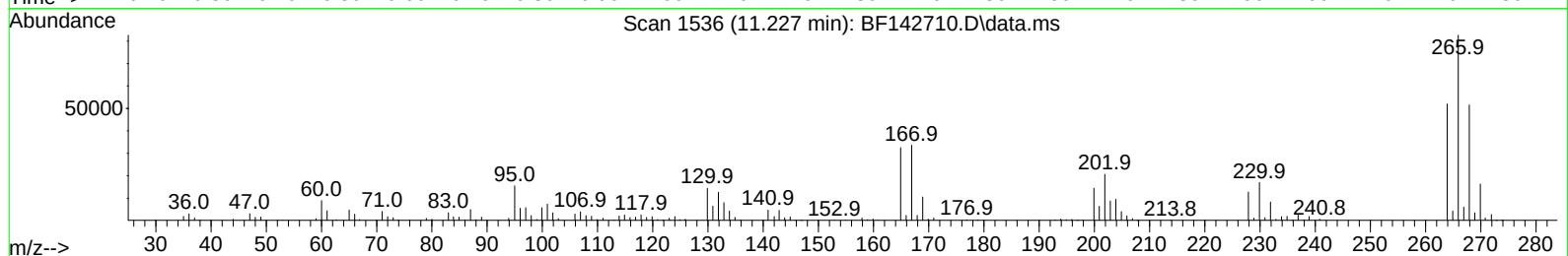
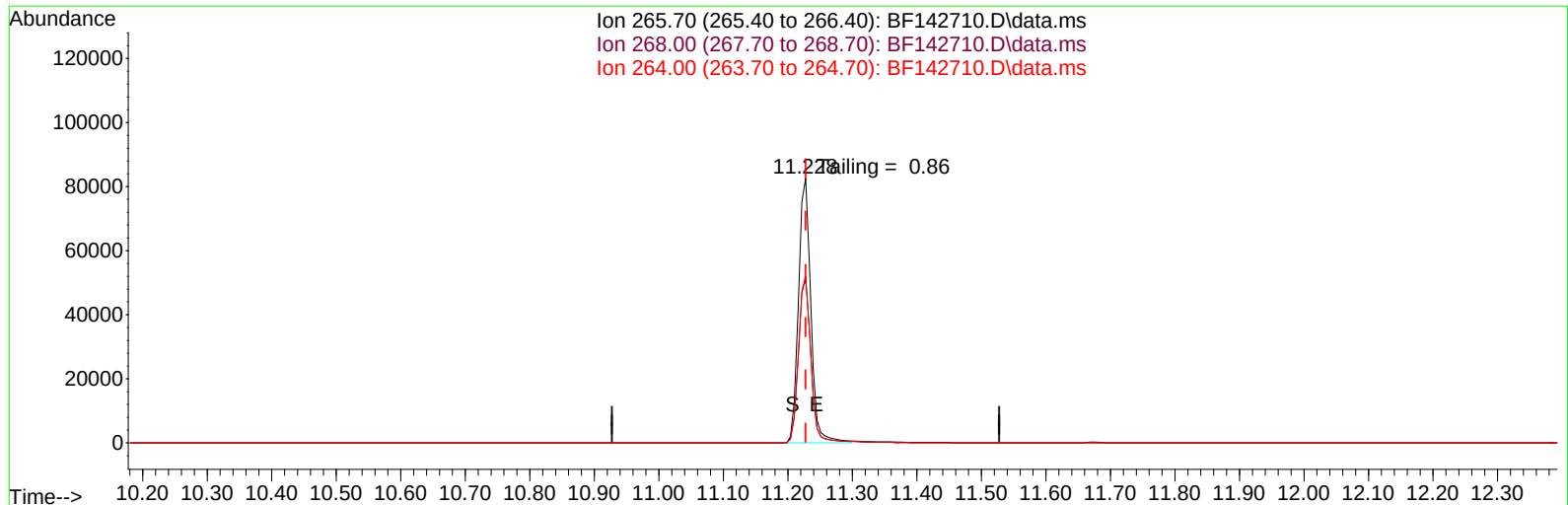
Date	Instrument Name	DFTPP Data File
6/11/2025	BNA_F	<u>BF142710.D</u>
Compound Name	Response	Retention Time
DDT	258255	13.586
DDD	3816	13.316
DDE	597	12.951
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
4413	262668	1.68

Instrument :
BNA_F
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142710.D
Acq On : 10 Jun 2025 15:42
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jun 11 06:08:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 11 05:56:09 2025
Response via : Initial Calibration



TIC: BF142710.D\data.ms

(70) Pentachlorophenol (C)

11.227min (-0.000) 33796.57 ng

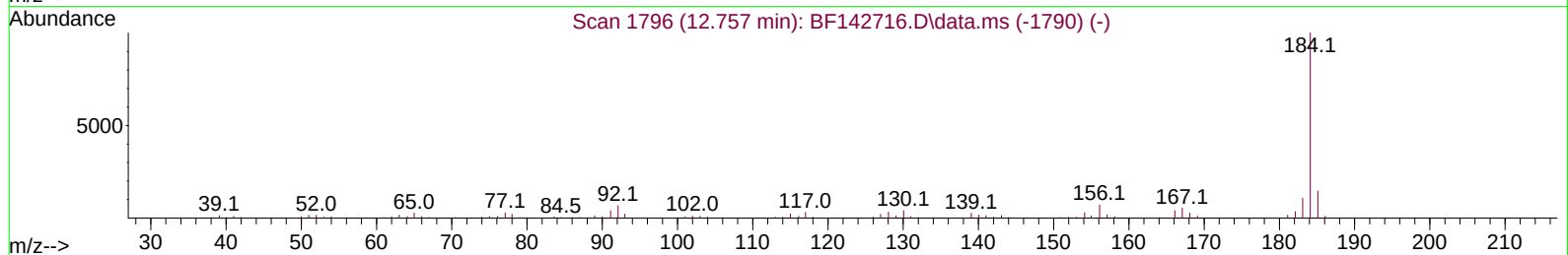
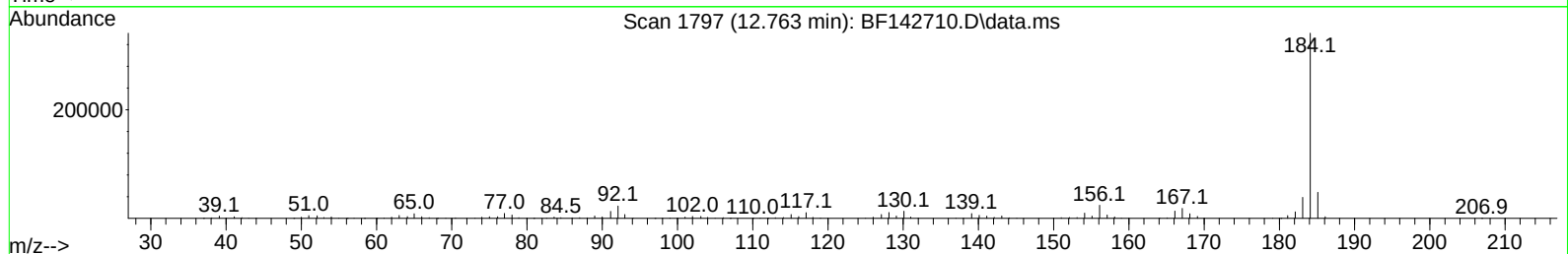
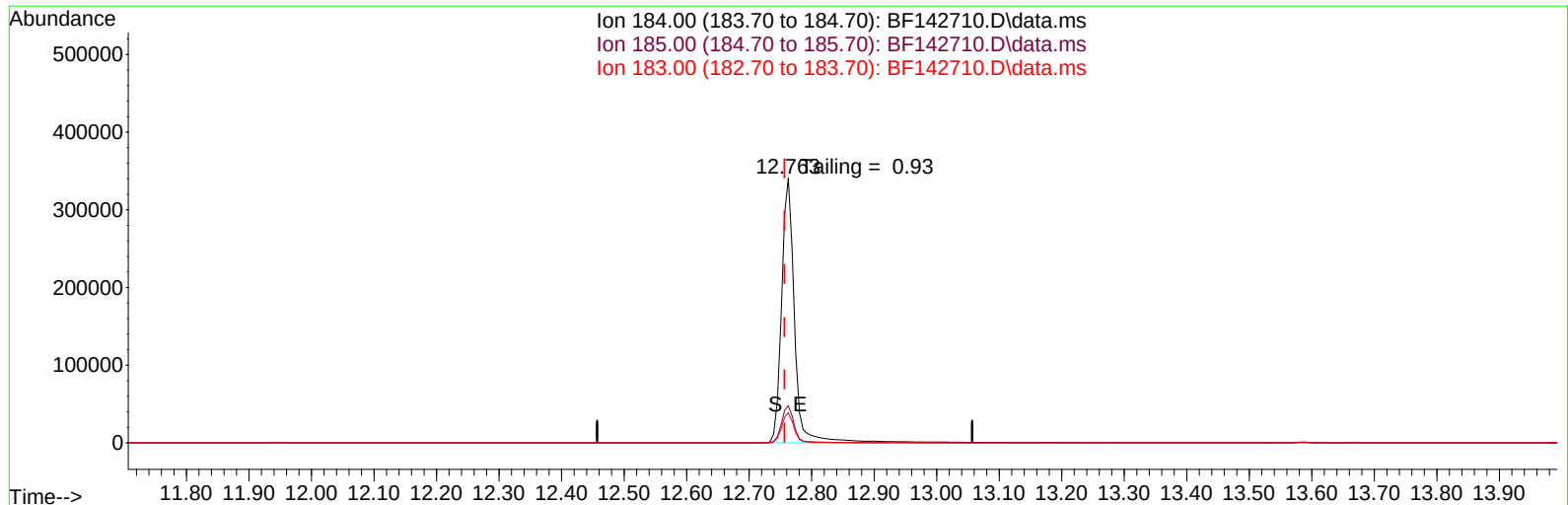
response 112116

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.00	62.35
264.00	61.90	62.95
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142710.D
Acq On : 10 Jun 2025 15:42
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jun 11 06:08:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 11 05:56:09 2025
Response via : Initial Calibration



TIC: BF142710.D\data.ms

(77) Benzidine

12.763min (+ 0.006) 0.00 ng

response 494727

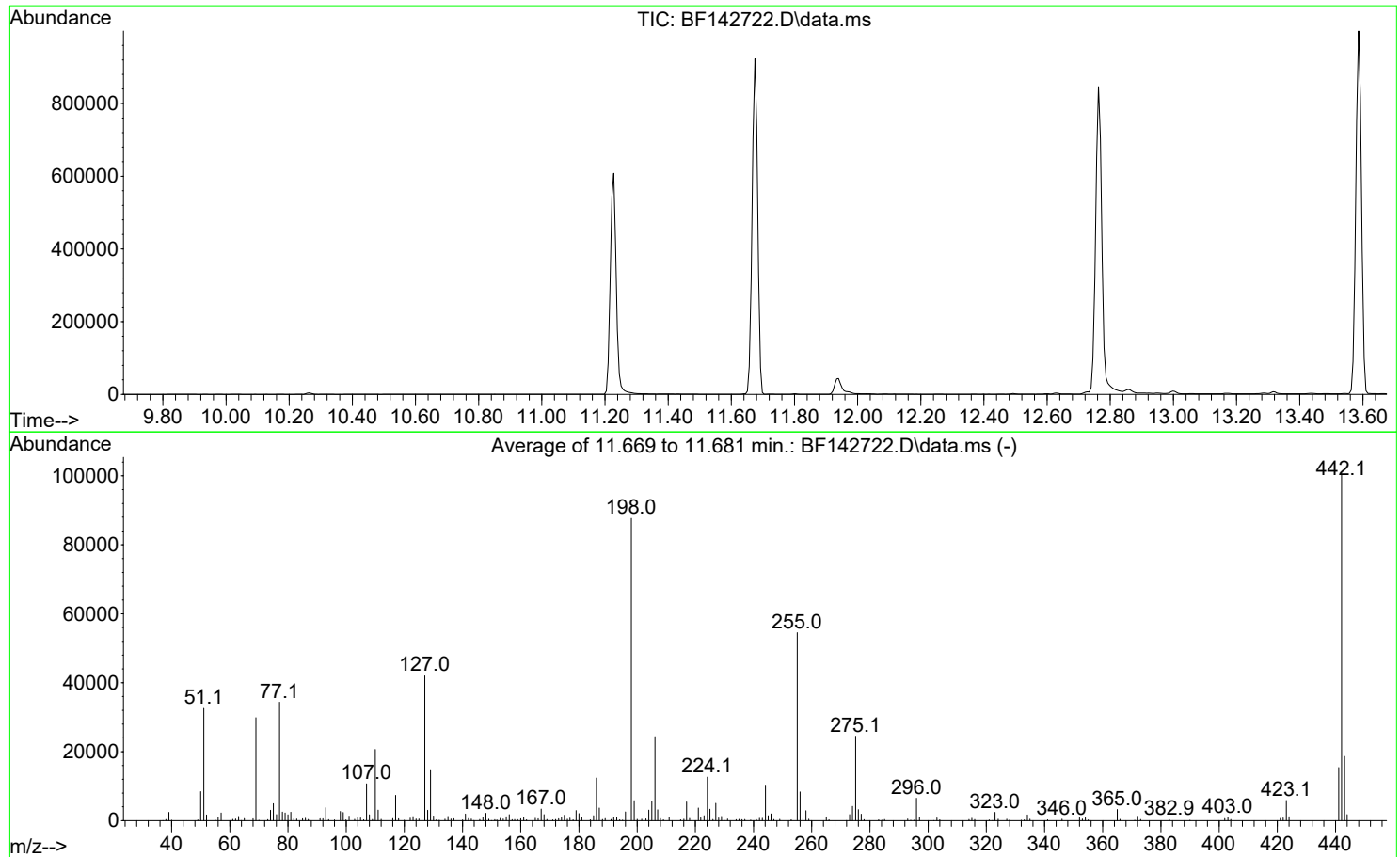
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.60	14.07
183.00	10.70	11.33
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142722.D
Acq On : 11 Jun 2025 08:56
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-BF061125.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jun 11 05:56:09 2025



AutoFind: Scans 1611, 1612, 1613; Background Corrected with Scan 1605

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	37.2	32576	PASS
68	69	0.00	2	1.9	580	PASS
69	198	0.00	100	34.1	29851	PASS
70	69	0.00	2	0.4	124	PASS
127	198	10	80	47.9	41997	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	87651	PASS
199	198	5	9	6.6	5826	PASS
275	198	10	60	27.9	24485	PASS
365	198	1	100	3.7	3221	PASS
441	198	0.01	100	17.6	15408	PASS
442	442	50	100	100.0	100365	PASS
443	442	15	24	18.6	18630	PASS

DDT Breakdown

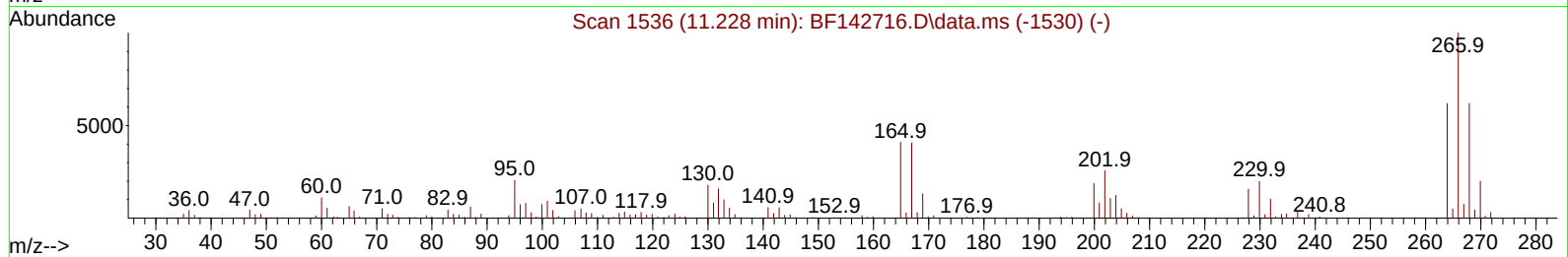
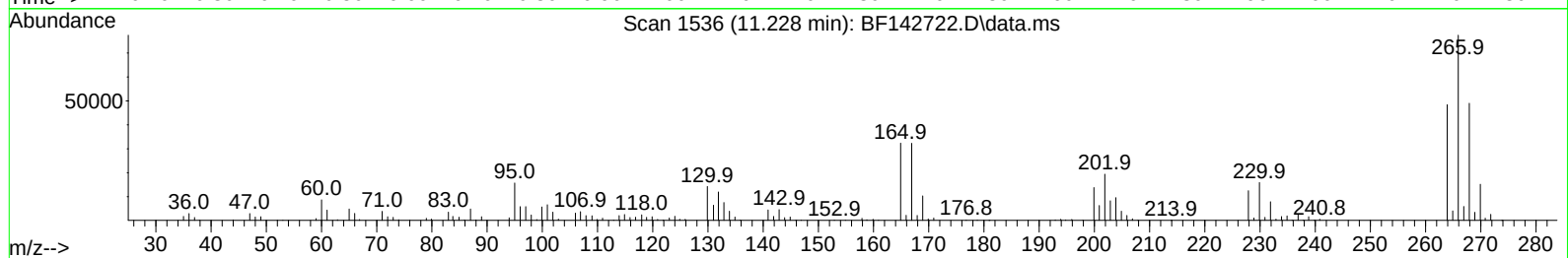
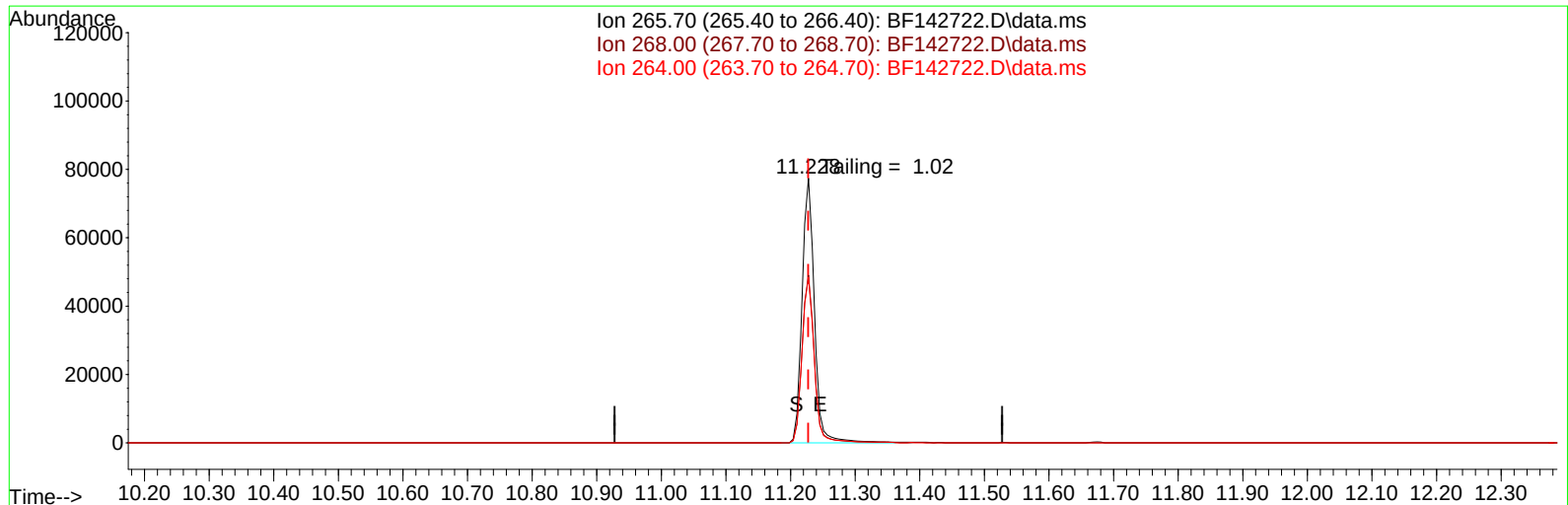
Date	Instrument Name	DFTPP Data File
6/11/2025	BNA_F	<u>BF142722.D</u>
Compound Name	Response	Retention Time
DDT	254780	13.586
DDD	3377	13.316
DDE	546	12.951
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
3923	258703	1.52

Instrument :
BNA_F
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142722.D
Acq On : 11 Jun 2025 08:56
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jun 11 11:00:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 11 05:56:09 2025
Response via : Initial Calibration



TIC: BF142722.D\data.ms

(70) Pentachlorophenol (C)

11.228min (+ 0.000) 36233.28 ng

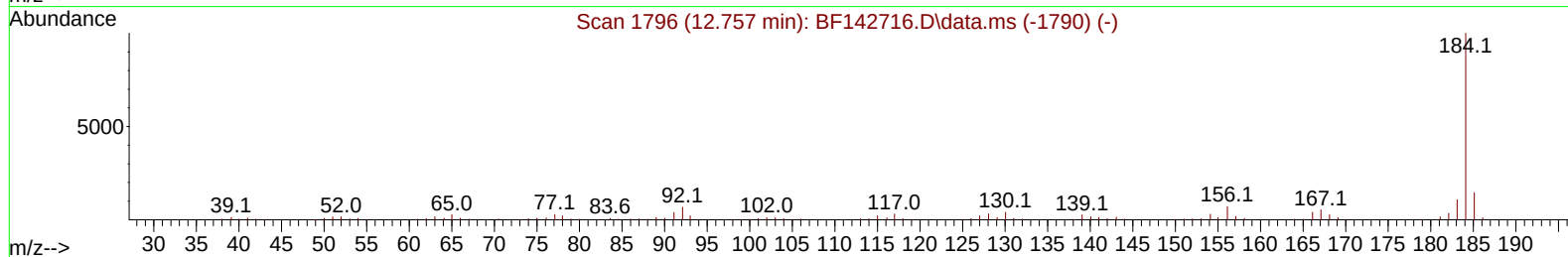
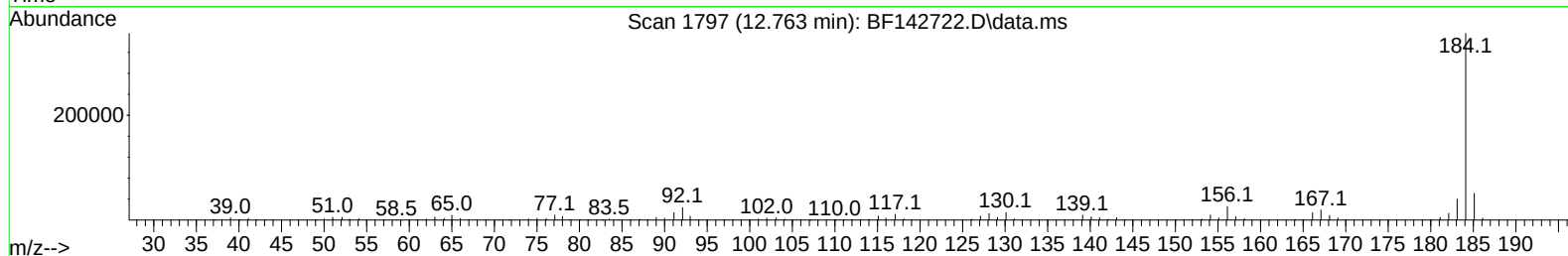
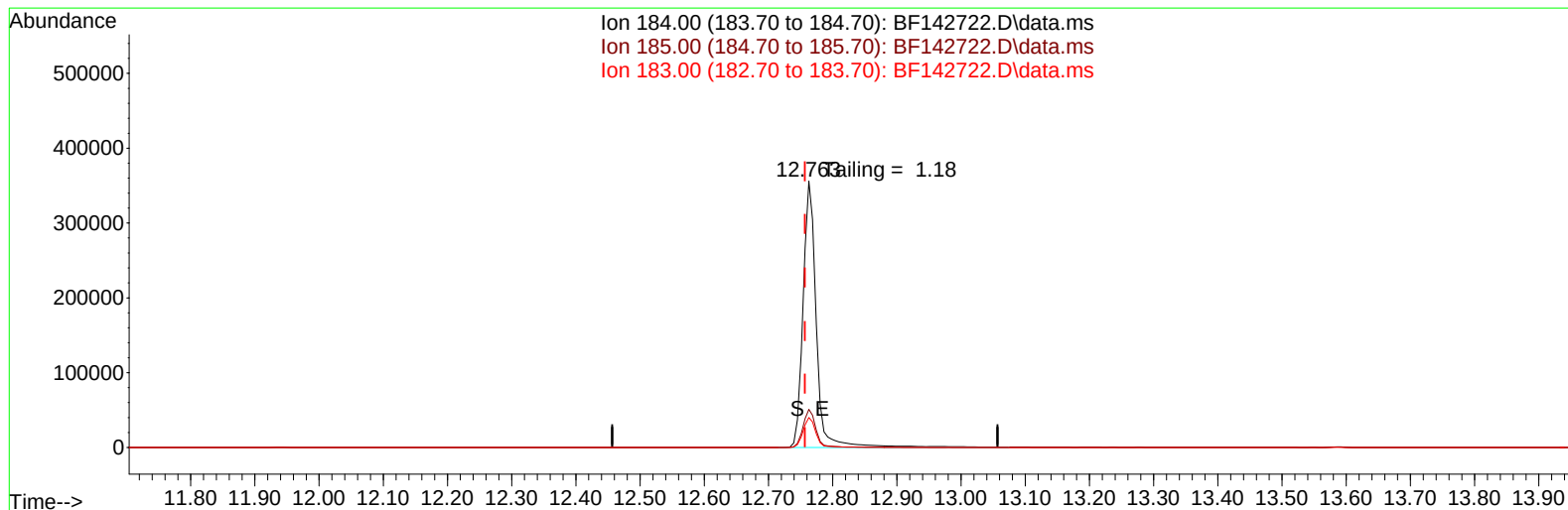
response 103277

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.00	63.33
264.00	61.90	62.55
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142722.D
Acq On : 11 Jun 2025 08:56
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jun 11 11:00:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 11 05:56:09 2025
Response via : Initial Calibration



TIC: BF142722.D\data.ms

(77) Benzidine

12.763min (+ 0.006) 11814.89 ng

response 510816

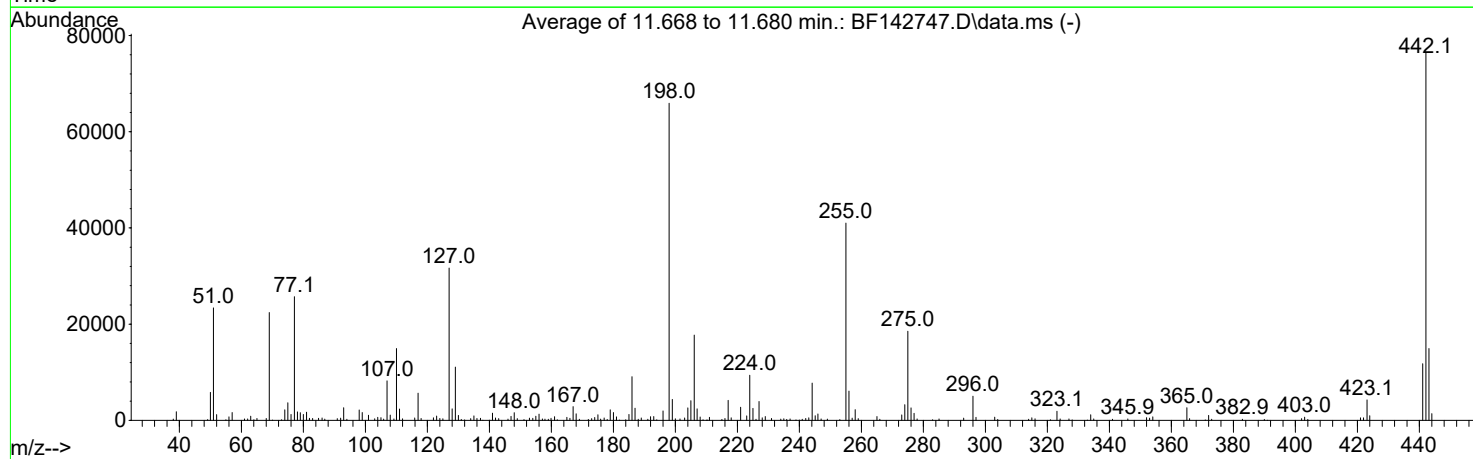
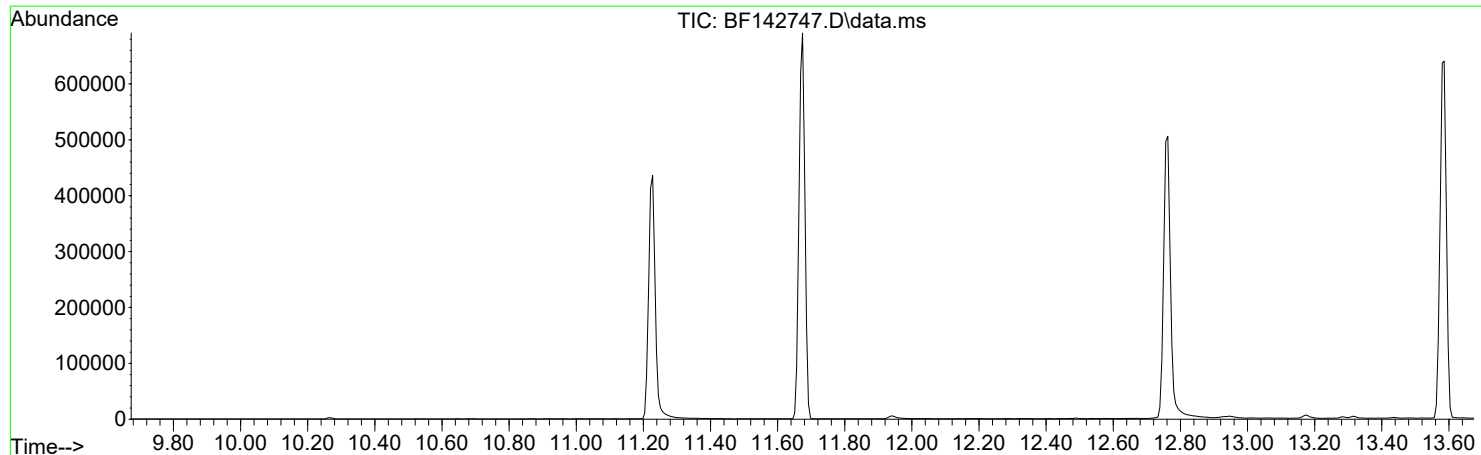
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.60	14.33
183.00	10.70	11.31
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061225\
Data File : BF142747.D
Acq On : 12 Jun 2025 09:21
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-BF061125.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jun 11 05:56:09 2025



AutoFind: Scans 1611, 1612, 1613; Background Corrected with Scan 1605

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	35.5	23396	PASS
68	69	0.00	2	1.8	411	PASS
69	198	0.00	100	34.0	22436	PASS
70	69	0.00	2	0.2	55	PASS
127	198	10	80	48.0	31656	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	65912	PASS
199	198	5	9	6.6	4373	PASS
275	198	10	60	28.1	18539	PASS
365	198	1	100	4.0	2616	PASS
441	198	0.01	100	17.8	11765	PASS
442	442	50	100	100.0	76475	PASS
443	442	15	24	19.5	14940	PASS

DDT Breakdown

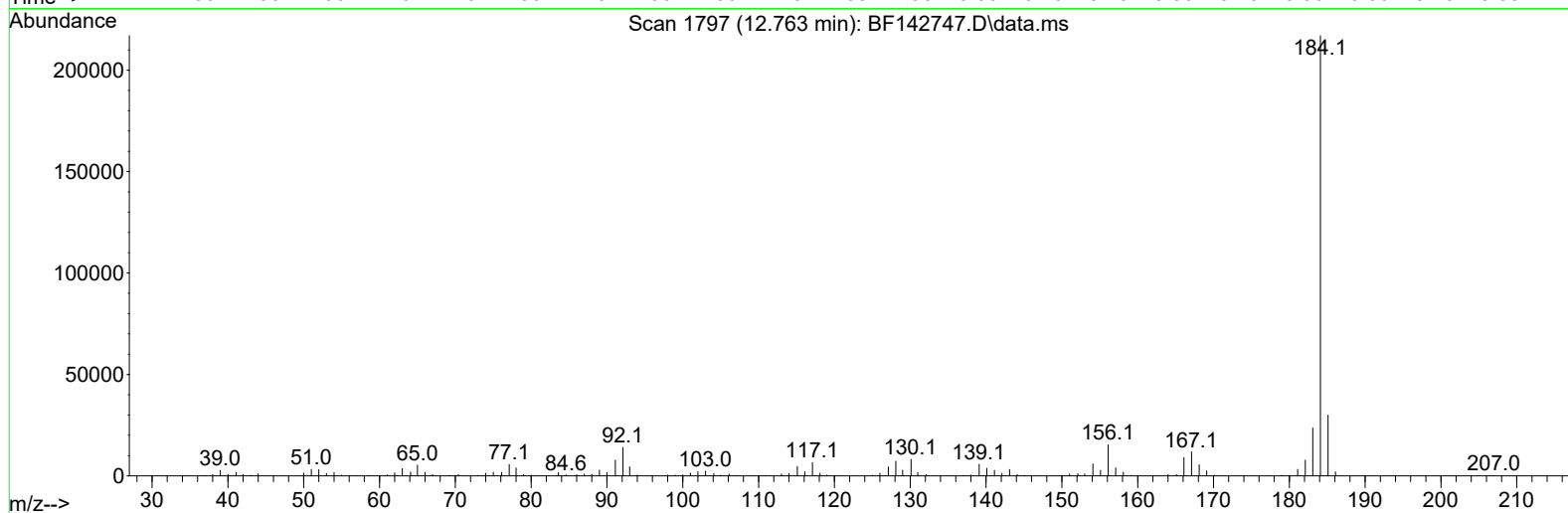
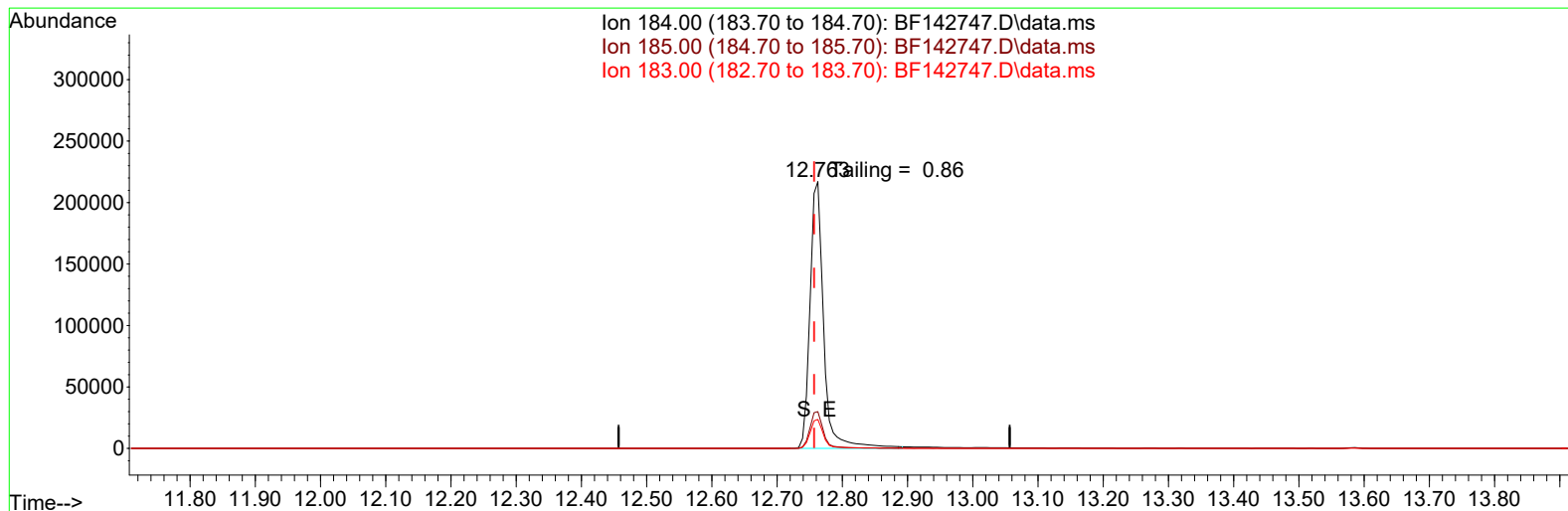
Date	Instrument Name	DFTPP Data File
6/12/2025	BNA_F	<u>BF142747.D</u>
Compound Name	Response	Retention Time
DDT	171550	13.586
DDD	3049	13.315
DDE	593	12.951
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
3642	175192	2.08

Instrument :
BNA_F
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061225\
Data File : BF142747.D
Acq On : 12 Jun 2025 09:21
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jun 12 11:59:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 11 05:56:09 2025
Response via : Initial Calibration



TIC: BF142747.D\data.ms

(77) Benzidine

12.763min (+ 0.006) 0.00 ng

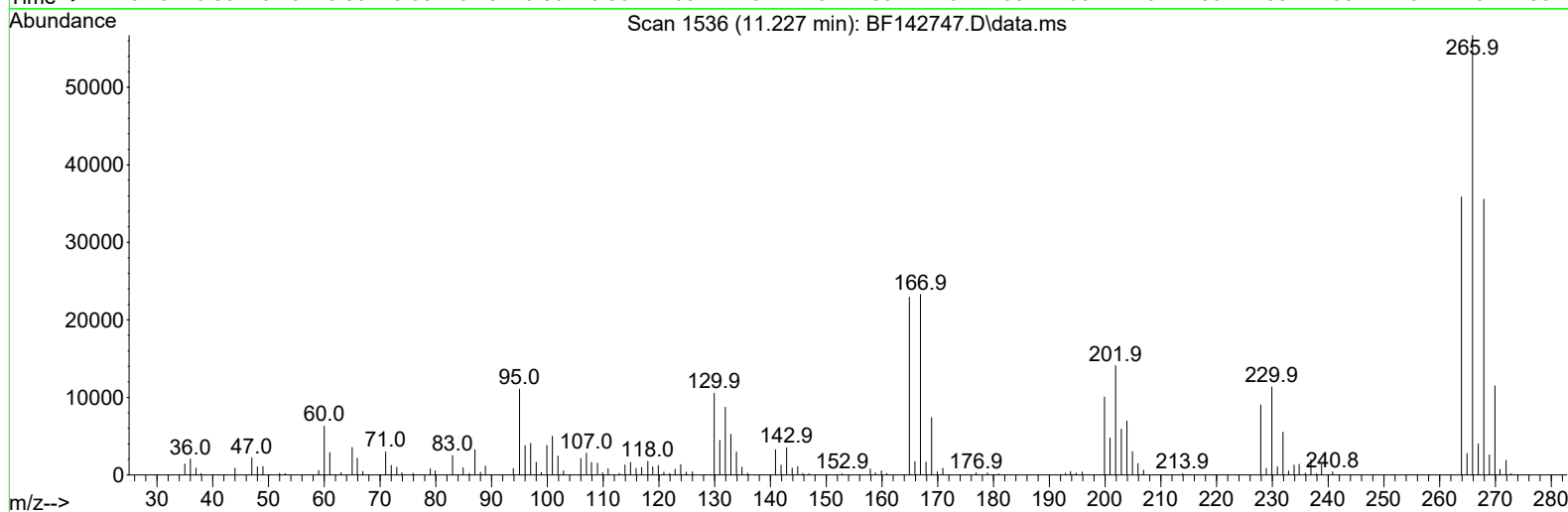
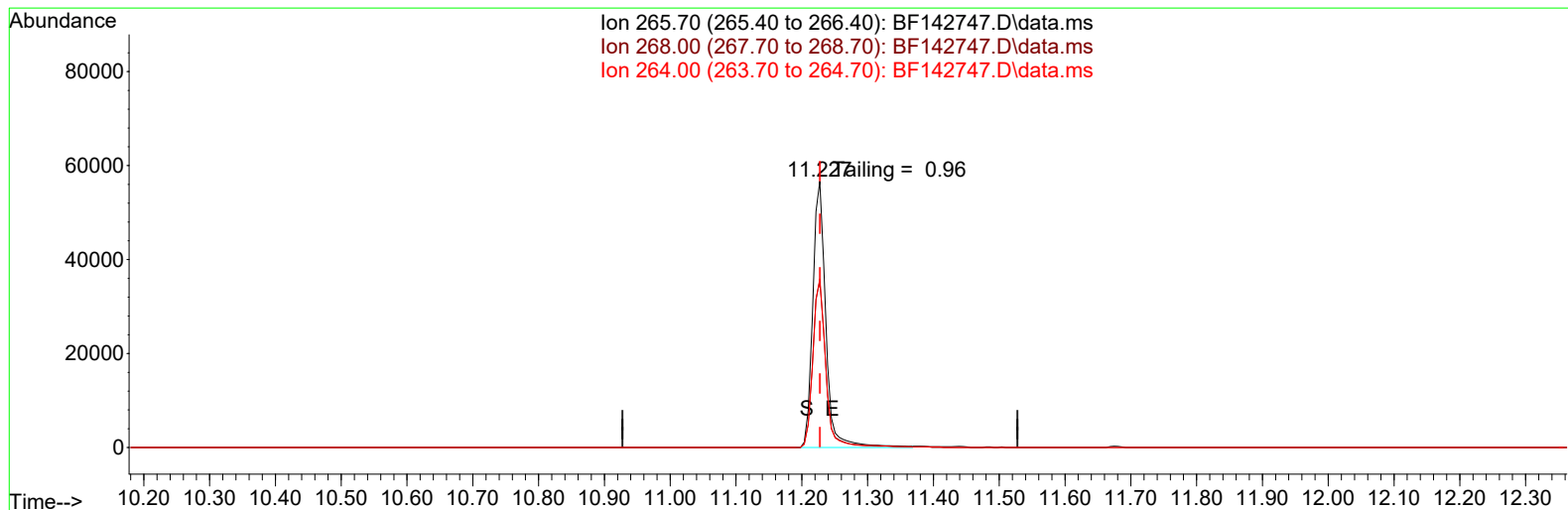
response 319051

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.60	13.81
183.00	10.70	10.87
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061225\
Data File : BF142747.D
Acq On : 12 Jun 2025 09:21
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jun 12 11:59:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 11 05:56:09 2025
Response via : Initial Calibration



TIC: BF142747.D\data.ms

(70) Pentachlorophenol (C)

11.227min (-0.000) 48564.59 ng

response 78719

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.00	62.77
264.00	61.90	63.25
0.00	0.00	0.00

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	
Client Sample ID:	PB168376BL	SDG No.:	Q2268
Lab Sample ID:	PB168376BL	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142724.D	1	06/10/25 08:10	06/11/25 09:53	PB168376

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	3.90	U	3.90	10.0	ug/L
108-95-2	Phenol	0.91	U	0.91	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.81	U	0.81	5.00	ug/L
95-57-8	2-Chlorophenol	0.58	U	0.58	5.00	ug/L
95-48-7	2-Methylphenol	1.10	U	1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.30	U	1.30	5.00	ug/L
98-86-2	Acetophenone	0.74	U	0.74	5.00	ug/L
65794-96-9	3+4-Methylphenols	1.10	U	1.10	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.40	U	1.40	2.50	ug/L
67-72-1	Hexachloroethane	0.65	U	0.65	5.00	ug/L
98-95-3	Nitrobenzene	0.76	U	0.76	5.00	ug/L
78-59-1	Isophorone	0.75	U	0.75	5.00	ug/L
88-75-5	2-Nitrophenol	1.80	U	1.80	5.00	ug/L
105-67-9	2,4-Dimethylphenol	1.90	U	1.90	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	0.68	U	0.68	5.00	ug/L
120-83-2	2,4-Dichlorophenol	0.52	U	0.52	5.00	ug/L
91-20-3	Naphthalene	0.50	U	0.50	5.00	ug/L
106-47-8	4-Chloroaniline	0.84	U	0.84	5.00	ug/L
87-68-3	Hexachlorobutadiene	0.54	U	0.54	5.00	ug/L
105-60-2	Caprolactam	1.10	U	1.10	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	0.59	U	0.59	5.00	ug/L
91-57-6	2-Methylnaphthalene	0.56	U	0.56	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	3.60	U	3.60	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	0.51	U	0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	0.62	U	0.62	5.00	ug/L
92-52-4	1,1-Biphenyl	0.53	U	0.53	5.00	ug/L
91-58-7	2-Chloronaphthalene	0.61	U	0.61	5.00	ug/L
88-74-4	2-Nitroaniline	1.30	U	1.30	5.00	ug/L
131-11-3	Dimethylphthalate	0.61	U	0.61	5.00	ug/L

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	
Client Sample ID:	PB168376BL	SDG No.:	Q2268
Lab Sample ID:	PB168376BL	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142724.D	1	06/10/25 08:10	06/11/25 09:53	PB168376

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	0.75	U	0.75	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	0.92	U	0.92	5.00	ug/L
99-09-2	3-Nitroaniline	1.10	U	1.10	5.00	ug/L
83-32-9	Acenaphthene	0.55	U	0.55	5.00	ug/L
51-28-5	2,4-Dinitrophenol	6.00	U	6.00	10.0	ug/L
100-02-7	4-Nitrophenol	2.40	U	2.40	10.0	ug/L
132-64-9	Dibenzofuran	0.61	U	0.61	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	1.20	U	1.20	5.00	ug/L
84-66-2	Diethylphthalate	0.69	U	0.69	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.68	U	0.68	5.00	ug/L
86-73-7	Fluorene	0.63	U	0.63	5.00	ug/L
100-01-6	4-Nitroaniline	1.50	U	1.50	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	2.90	U	2.90	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	0.58	U	0.58	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	0.40	U	0.40	5.00	ug/L
118-74-1	Hexachlorobenzene	0.52	U	0.52	5.00	ug/L
1912-24-9	Atrazine	1.00	U	1.00	5.00	ug/L
87-86-5	Pentachlorophenol	1.60	U	1.60	10.0	ug/L
85-01-8	Phenanthrene	0.50	U	0.50	5.00	ug/L
120-12-7	Anthracene	0.61	U	0.61	5.00	ug/L
86-74-8	Carbazole	0.72	U	0.72	5.00	ug/L
84-74-2	Di-n-butylphthalate	1.20	U	1.20	5.00	ug/L
206-44-0	Fluoranthene	0.82	U	0.82	5.00	ug/L
129-00-0	Pyrene	0.50	U	0.50	5.00	ug/L
85-68-7	Butylbenzylphthalate	1.90	U	1.90	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	0.93	U	0.93	10.0	ug/L
56-55-3	Benzo(a)anthracene	0.45	U	0.45	5.00	ug/L
218-01-9	Chrysene	0.44	U	0.44	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.60	U	1.60	5.00	ug/L
117-84-0	Di-n-octyl phthalate	2.30	U	2.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	0.49	U	0.49	5.00	ug/L

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	
Client Sample ID:	PB168376BL	SDG No.:	Q2268
Lab Sample ID:	PB168376BL	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142724.D	1	06/10/25 08:10	06/11/25 09:53	PB168376

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	0.48	U	0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	0.55	U	0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.59	U	0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.67	U	0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	0.69	U	0.69	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	0.52	U	0.52	5.00	ug/L
123-91-1	1,4-Dioxane	1.00	U	1.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.72	U	0.72	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	128		23 - 138	85%	SPK: 150
13127-88-3	Phenol-d6	127		10 - 134	85%	SPK: 150
4165-60-0	Nitrobenzene-d5	78.1		67 - 132	78%	SPK: 100
321-60-8	2-Fluorobiphenyl	76.4		52 - 132	76%	SPK: 100
118-79-6	2,4,6-Tribromophenol	132		44 - 137	88%	SPK: 150
1718-51-0	Terphenyl-d14	71.4		42 - 152	71%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	75400	6.892			
1146-65-2	Naphthalene-d8	293000	8.175			
15067-26-2	Acenaphthene-d10	164000	9.933			
1517-22-2	Phenanthrene-d10	310000	11.421			
1719-03-5	Chrysene-d12	204000	14.068			
1520-96-3	Perylene-d12	148000	15.562			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	9.40	A		5.13	ug/L
006311-48-4	(1,1-Biphenyl)-4,4-diamine, N,N	2.90	J		17.3	ug/L

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	
Client Sample ID:	PB168376BL	SDG No.:	Q2268
Lab Sample ID:	PB168376BL	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142724.D	1	06/10/25 08:10	06/11/25 09:53	PB168376

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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\BF061125\
Data File : BF142724.D
Acq On : 11 Jun 2025 09:53
Operator : RC/JU
Sample : PB168376BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168376BL

Quant Time: Jun 11 11:01:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 11 05:56:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	75423	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	293240	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	164071	20.000	ng	0.00
64) Phenanthrene-d10	11.421	188	310217	20.000	ng	0.00
76) Chrysene-d12	14.068	240	203839	20.000	ng	0.00
86) Perylene-d12	15.562	264	148373	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	567406	128.127	ng	0.02
7) Phenol-d6	6.522	99	663304	127.273	ng	0.00
23) Nitrobenzene-d5	7.451	82	418446	78.095	ng	0.00
42) 2,4,6-Tribromophenol	10.727	330	237240	131.932	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	943613	76.409	ng	0.00
79) Terphenyl-d14	13.015	244	1059635	71.397	ng	0.00

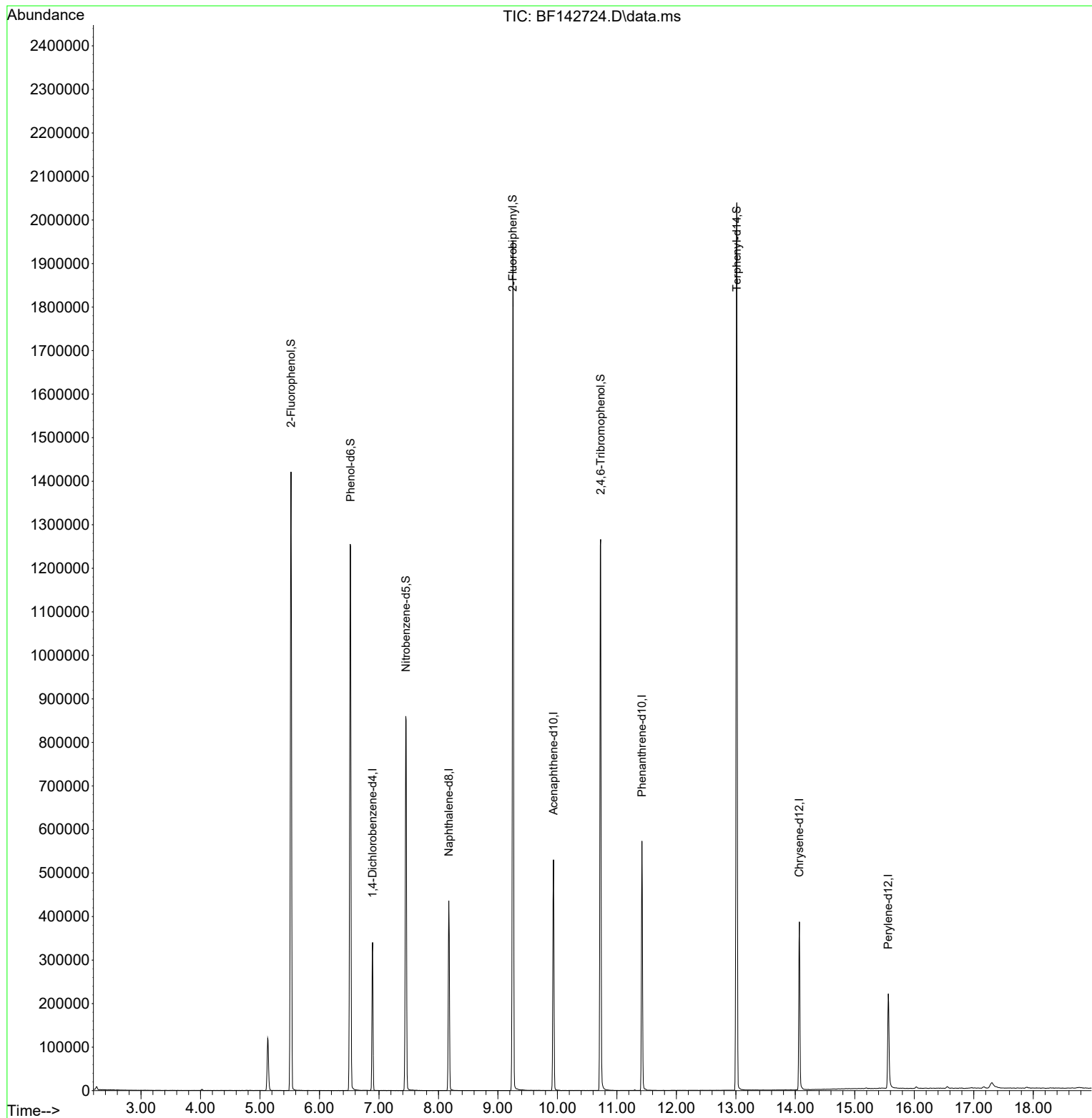
Target Compounds	Qvalue

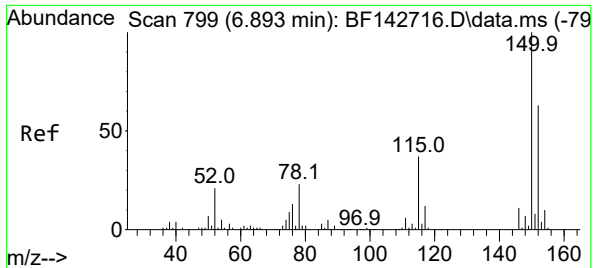
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142724.D
Acq On : 11 Jun 2025 09:53
Operator : RC/JU
Sample : PB168376BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168376BL

Quant Time: Jun 11 11:01:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 11 05:56:09 2025
Response via : Initial Calibration

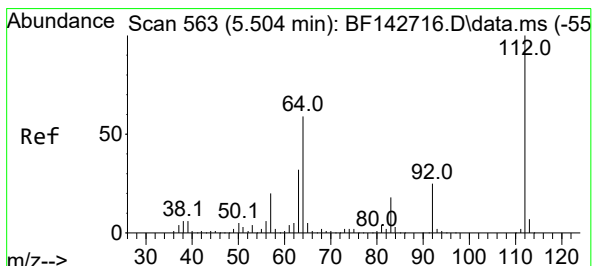
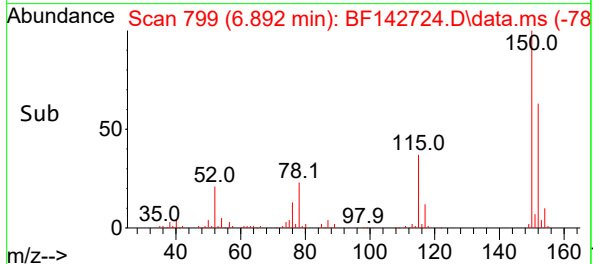
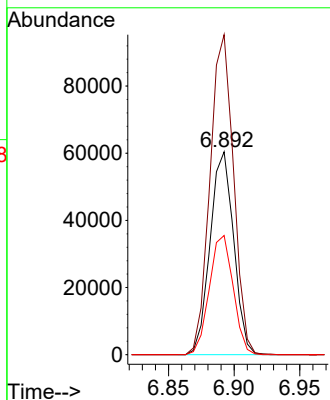
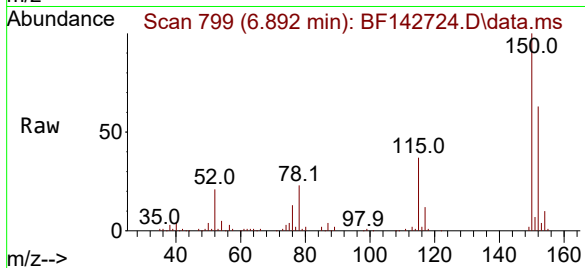




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 799
Delta R.T. -0.001 min
Lab File: BF142724.D
Acq: 11 Jun 2025 09:53

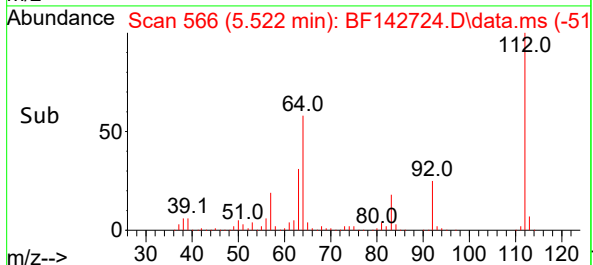
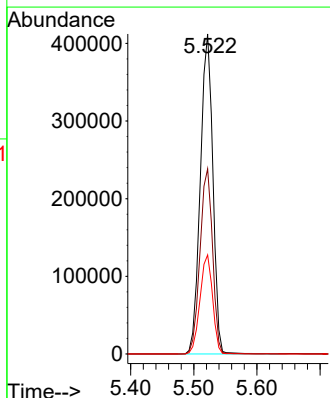
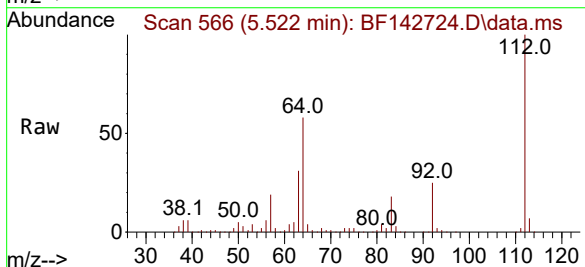
Instrument :
BNA_F
ClientSampleId :
PB168376BL

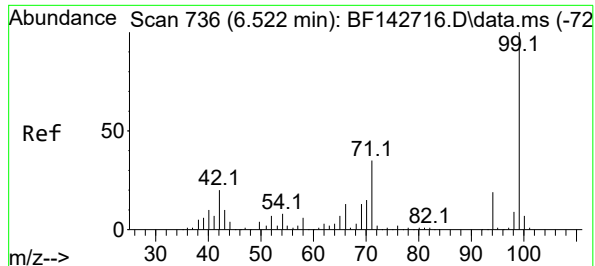
Tgt Ion:152 Resp: 75423
Ion Ratio Lower Upper
152 100
150 157.7 126.9 190.3
115 58.7 47.0 70.6



#5
2-Fluorophenol
Concen: 128.127 ng
RT: 5.522 min Scan# 566
Delta R.T. 0.018 min
Lab File: BF142724.D
Acq: 11 Jun 2025 09:53

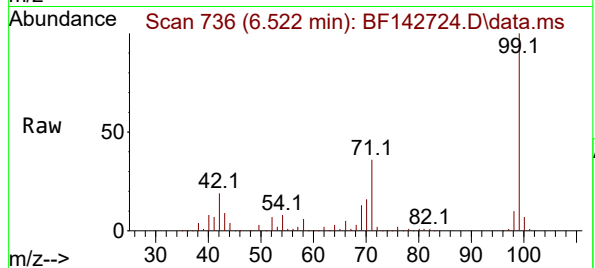
Tgt Ion:112 Resp: 567406
Ion Ratio Lower Upper
112 100
64 57.9 47.4 71.2
63 31.0 25.4 38.0



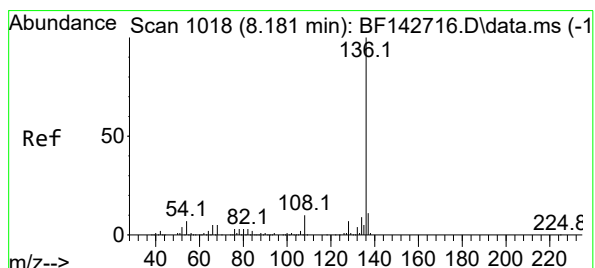
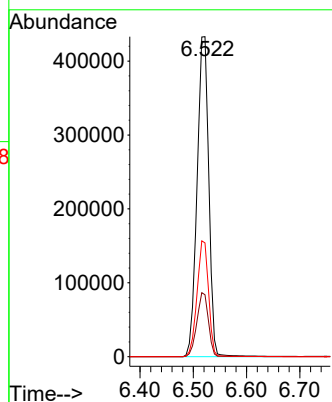
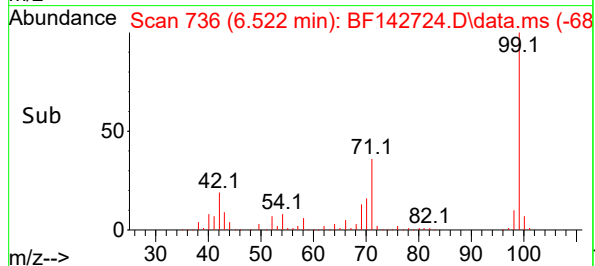


#7
Phenol-d6
Concen: 127.273 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF142724.D
Acq: 11 Jun 2025 09:53

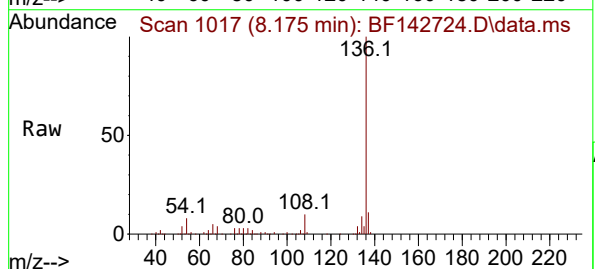
Instrument :
BNA_F
ClientSampleId :
PB168376BL



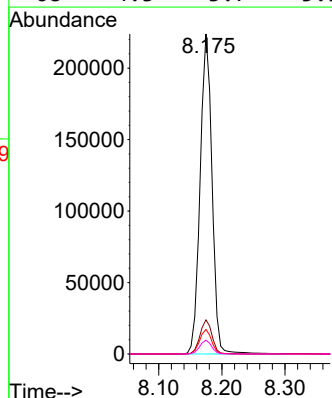
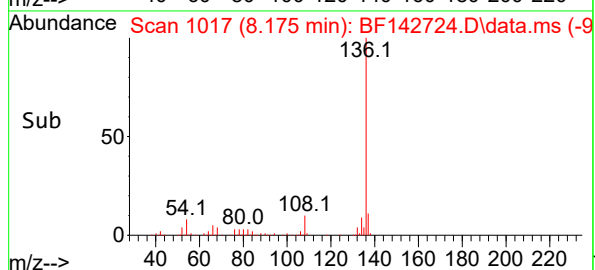
Tgt Ion: 99 Resp: 663304
Ion Ratio Lower Upper
99 100
42 19.3 15.9 23.9
71 35.6 28.0 42.0

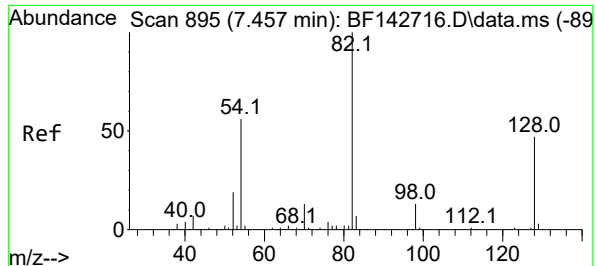


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF142724.D
Acq: 11 Jun 2025 09:53



Tgt Ion: 136 Resp: 293240
Ion Ratio Lower Upper
136 100
137 10.7 8.7 13.1
54 7.7 5.9 8.9
68 4.3 3.7 5.5





#23

Nitrobenzene-d5

Concen: 78.095 ng

RT: 7.451 min Scan# 89

Delta R.T. -0.006 min

Lab File: BF142724.D

Acq: 11 Jun 2025 09:53

Instrument :

BNA_F

ClientSampleId :

PB168376BL

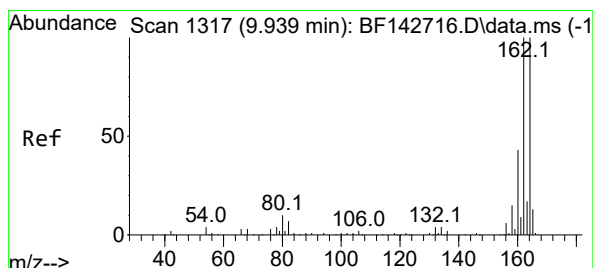
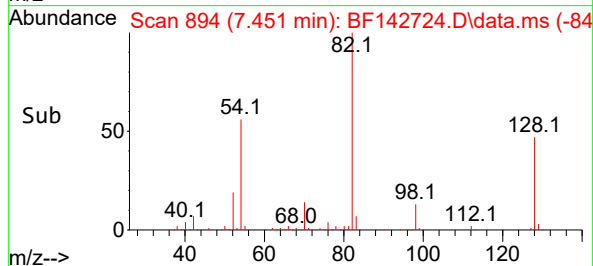
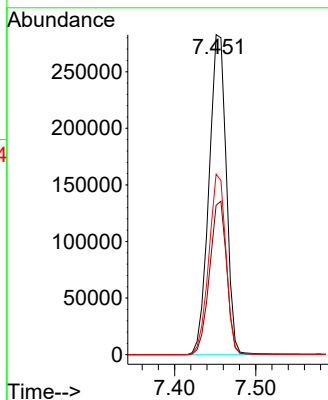
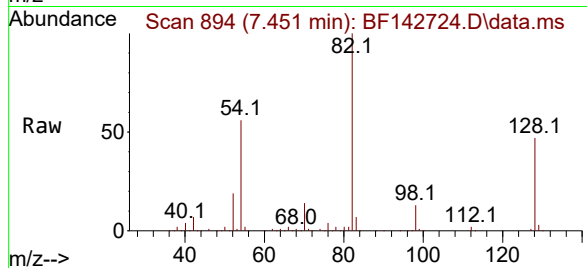
Tgt Ion: 82 Resp: 418446

Ion Ratio Lower Upper

82 100

128 46.7 37.8 56.8

54 56.4 44.9 67.3



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.933 min Scan# 1316

Delta R.T. -0.006 min

Lab File: BF142724.D

Acq: 11 Jun 2025 09:53

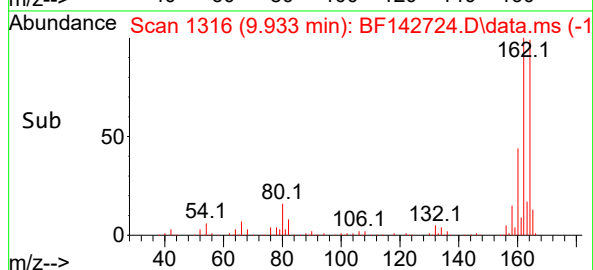
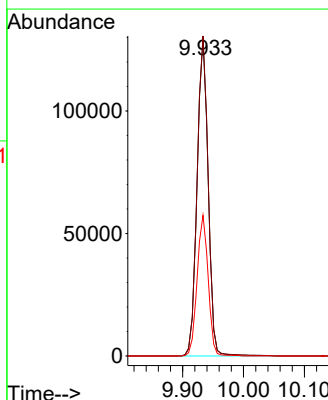
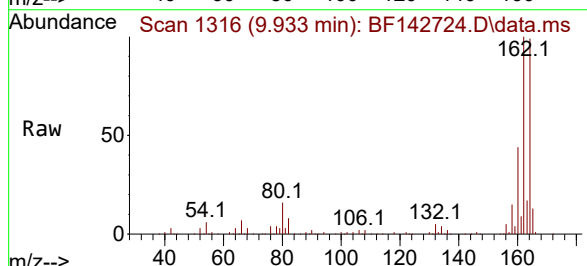
Tgt Ion:164 Resp: 164071

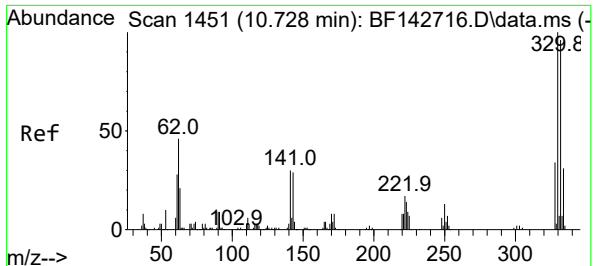
Ion Ratio Lower Upper

164 100

162 100.8 79.9 119.9

160 44.3 34.8 52.2





#42

2,4,6-Tribromophenol

Concen: 131.932 ng

RT: 10.727 min Scan# 1451

Delta R.T. -0.001 min

Lab File: BF142724.D

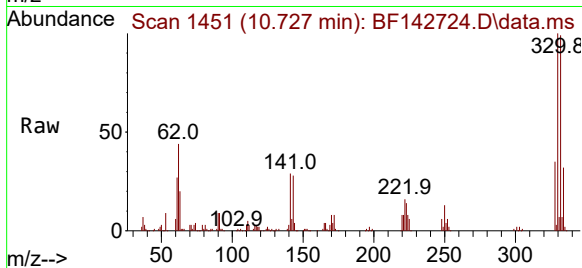
Acq: 11 Jun 2025 09:53

Instrument :

BNA_F

ClientSampleId :

PB168376BL



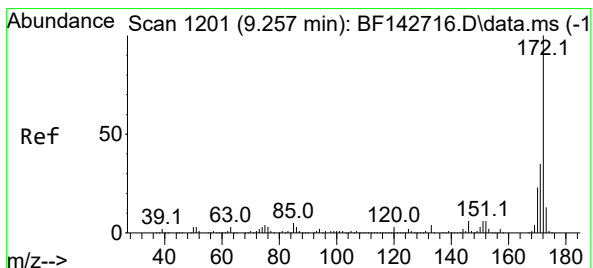
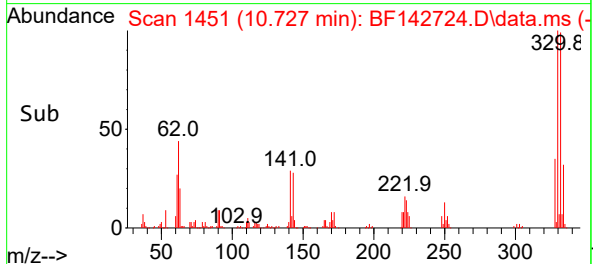
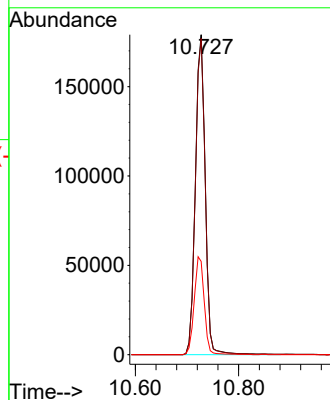
Tgt Ion:330 Resp: 237240

Ion Ratio Lower Upper

330 100

332 98.3 77.0 115.6

141 31.2 25.4 38.0



#45

2-Fluorobiphenyl

Concen: 76.409 ng

RT: 9.251 min Scan# 1200

Delta R.T. -0.006 min

Lab File: BF142724.D

Acq: 11 Jun 2025 09:53

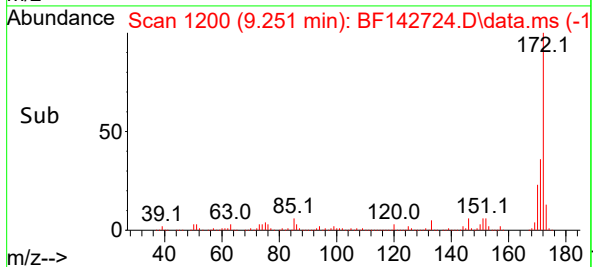
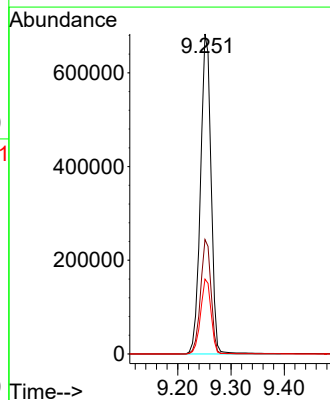
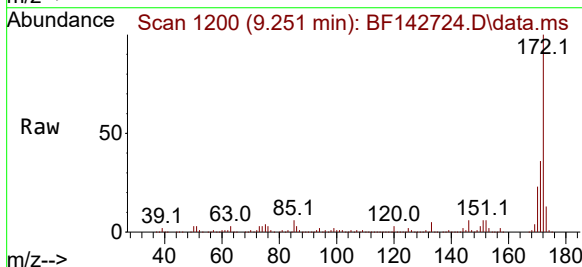
Tgt Ion:172 Resp: 943613

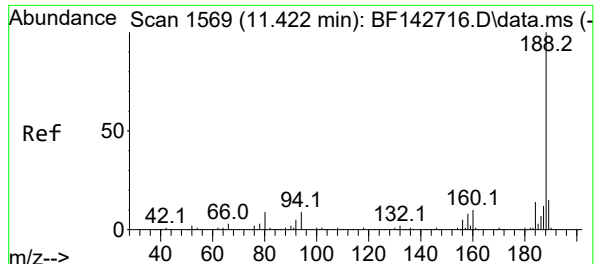
Ion Ratio Lower Upper

172 100

171 35.7 28.1 42.1

170 23.4 18.6 27.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.421 min Scan# 1569

Delta R.T. -0.000 min

Lab File: BF142724.D

Acq: 11 Jun 2025 09:53

Instrument :

BNA_F

ClientSampleId :

PB168376BL

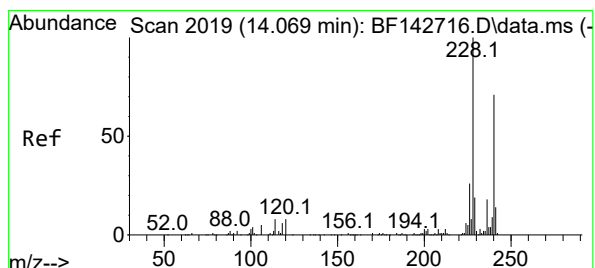
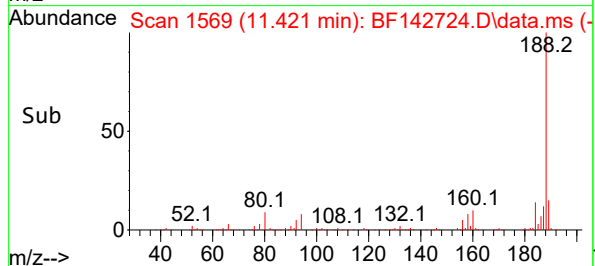
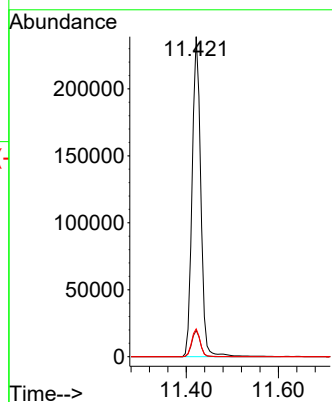
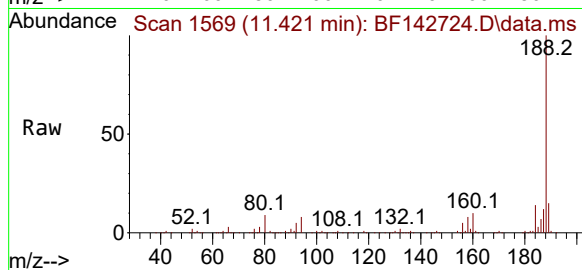
Tgt Ion:188 Resp: 310217

Ion Ratio Lower Upper

188 100

94 8.2 6.8 10.2

80 8.7 7.1 10.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.068 min Scan# 2019

Delta R.T. -0.000 min

Lab File: BF142724.D

Acq: 11 Jun 2025 09:53

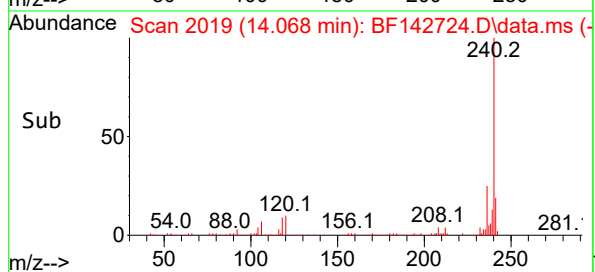
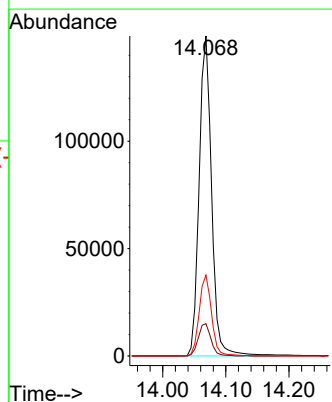
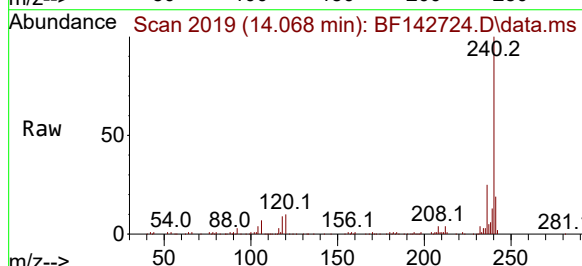
Tgt Ion:240 Resp: 203839

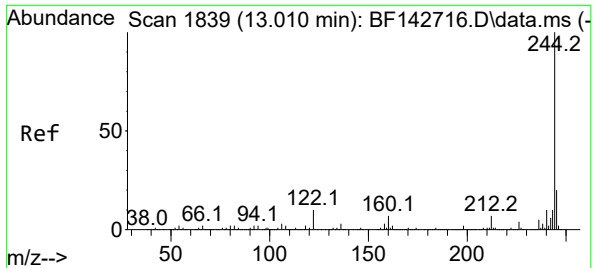
Ion Ratio Lower Upper

240 100

120 10.1 8.5 12.7

236 25.3 20.1 30.1

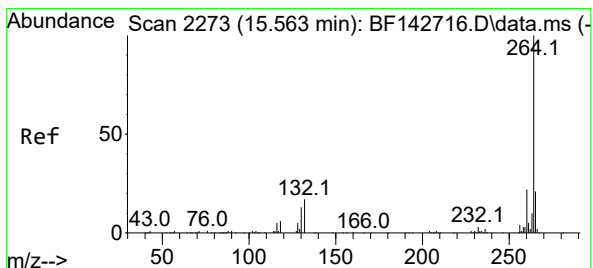
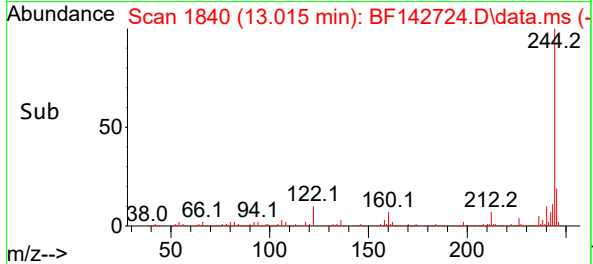
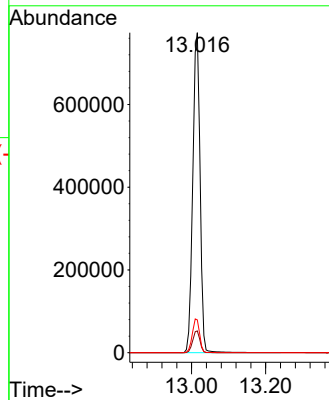
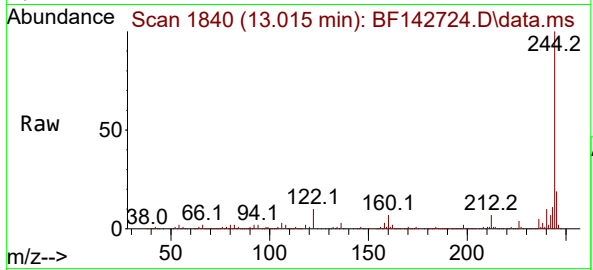




#79
Terphenyl-d14
Concen: 71.397 ng
RT: 13.015 min Scan# 1840
Delta R.T. 0.005 min
Lab File: BF142724.D
Acq: 11 Jun 2025 09:53

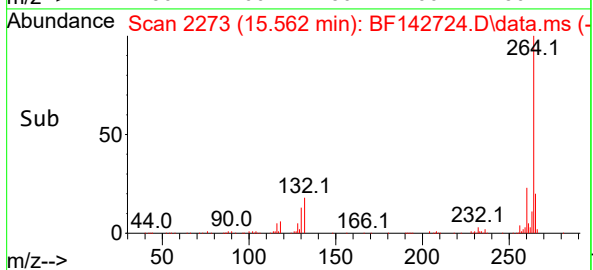
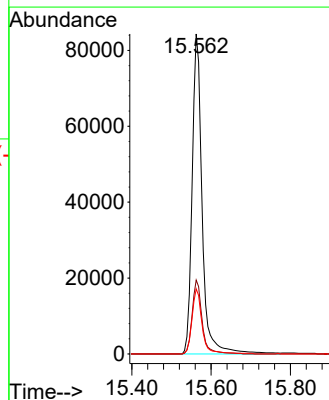
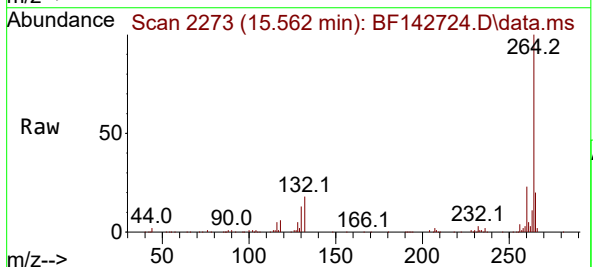
Instrument :
BNA_F
ClientSampleId :
PB168376BL

Tgt Ion:244 Resp: 1059635
Ion Ratio Lower Upper
244 100
212 6.8 5.4 8.0
122 10.2 8.3 12.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.562 min Scan# 2273
Delta R.T. -0.000 min
Lab File: BF142724.D
Acq: 11 Jun 2025 09:53

Tgt Ion:264 Resp: 148373
Ion Ratio Lower Upper
264 100
260 23.1 17.8 26.6
265 20.4 16.6 25.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
 Data File : BF142724.D
 Acq On : 11 Jun 2025 09:53
 Operator : RC/JU
 Sample : PB168376BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB168376BL

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-BF061125.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142724.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.128	493	499	510	rVB	119739	199933	7.21%	1.266%
2	5.522	559	566	571	rBV	1421088	1954900	70.46%	12.376%
3	6.516	728	735	741	rBV	1255332	1904605	68.65%	12.058%
4	6.892	794	799	804	rBV	339832	426080	15.36%	2.697%
5	7.451	887	894	900	rBV	859771	1265344	45.61%	8.011%
6	8.175	1011	1017	1037	rBV	436066	565619	20.39%	3.581%
7	9.251	1193	1200	1205	rBV	1952152	2631371	94.84%	16.659%
8	9.933	1310	1316	1337	rVB	530245	668904	24.11%	4.235%
9	10.727	1445	1451	1469	rBV	1265981	1737703	62.63%	11.001%
10	11.421	1564	1569	1577	rBV	572458	723458	26.08%	4.580%
11	13.016	1833	1840	1845	rBV	2038809	2774453	100.00%	17.565%
12	14.068	2013	2019	2039	rBV	385701	521872	18.81%	3.304%
13	15.562	2267	2273	2290	rBV	217179	367402	13.24%	2.326%
14	17.309	2559	2570	2591	rBV3	11801	54050	1.95%	0.342%

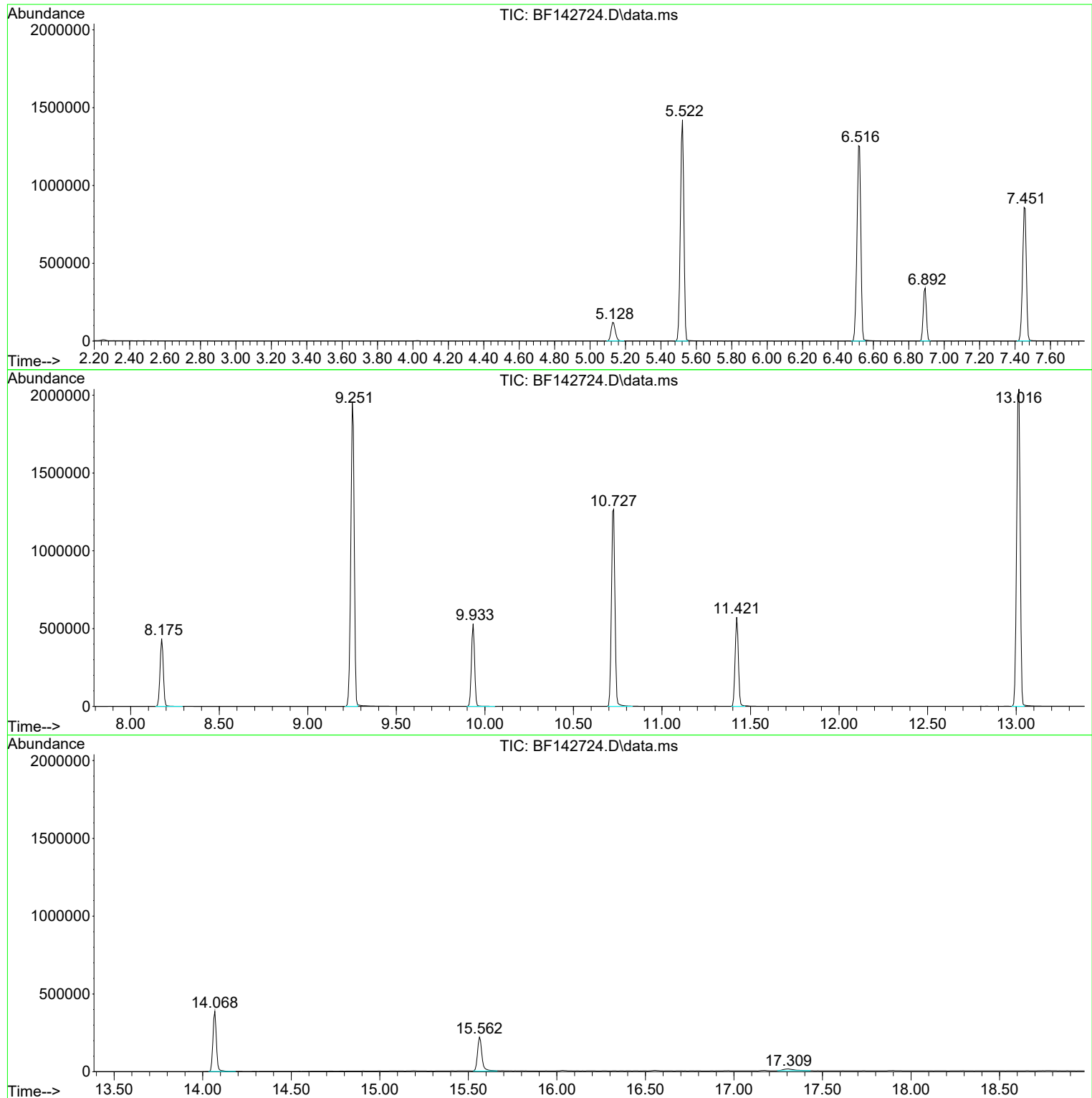
Sum of corrected areas: 15795694

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142724.D
Acq On : 11 Jun 2025 09:53
Operator : RC/JU
Sample : PB168376BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168376BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.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\BF061125\
Data File : BF142724.D
Acq On : 11 Jun 2025 09:53
Operator : RC/JU
Sample : PB168376BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168376BL

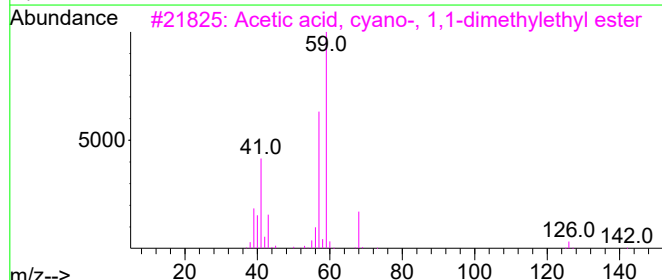
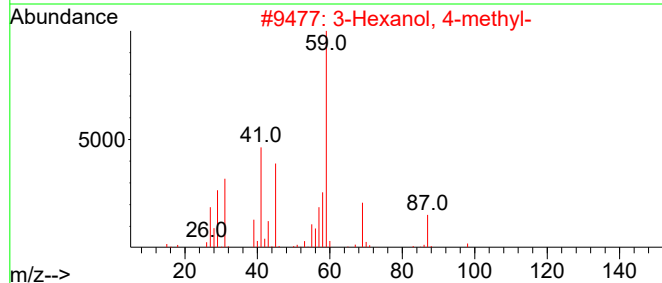
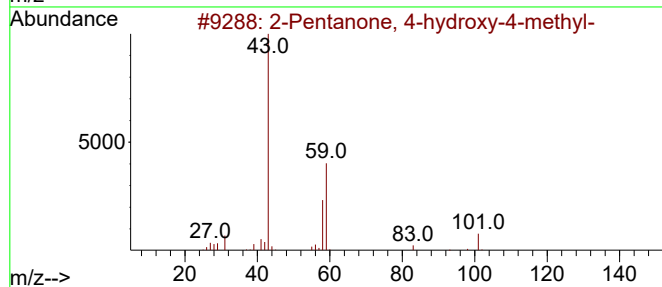
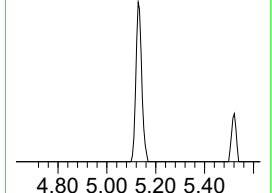
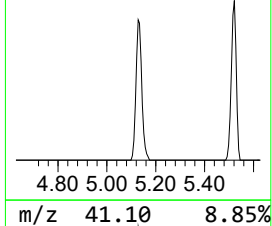
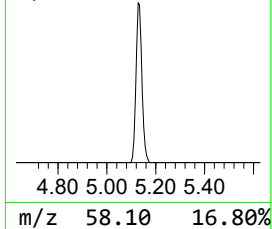
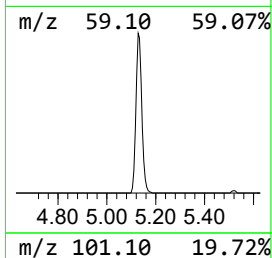
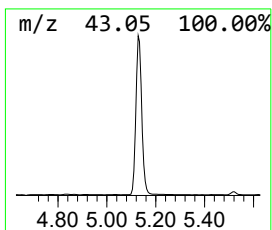
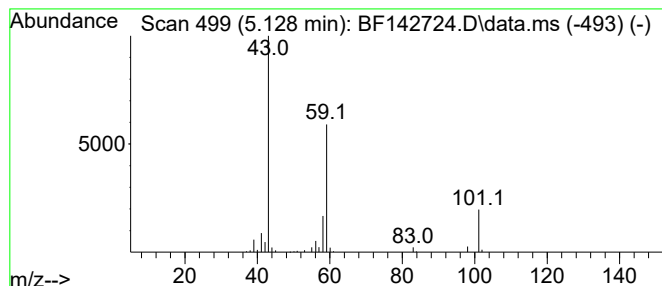
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.128	9.38 ng	199933	1,4-Dichlorobenzene-d4	6.892

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	23		
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\BF061125\
Data File : BF142724.D
Acq On : 11 Jun 2025 09:53
Operator : RC/JU
Sample : PB168376BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

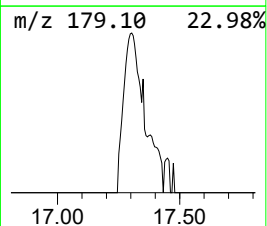
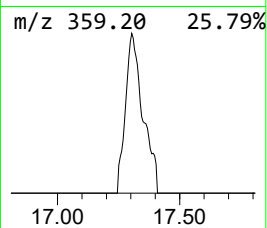
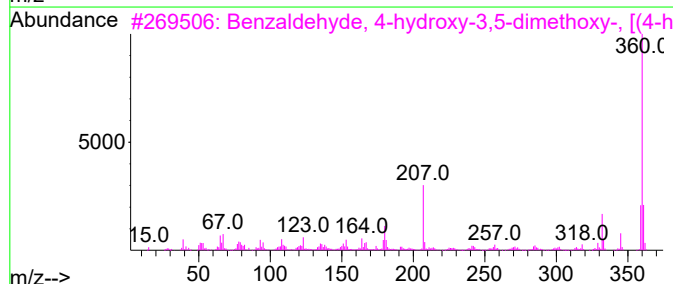
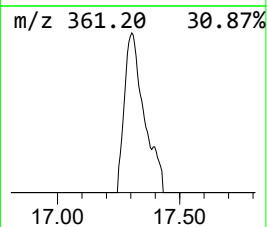
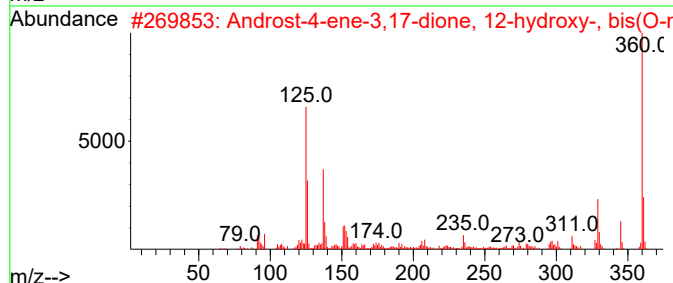
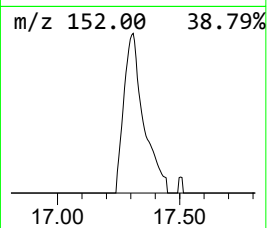
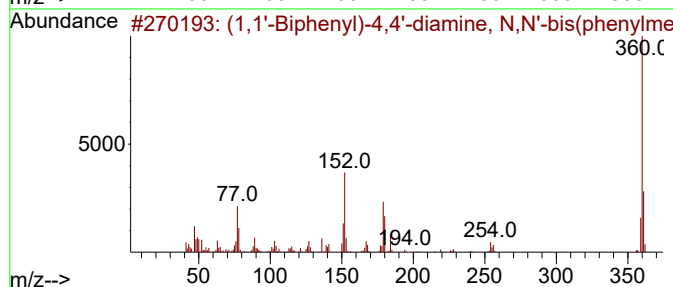
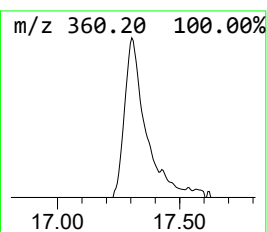
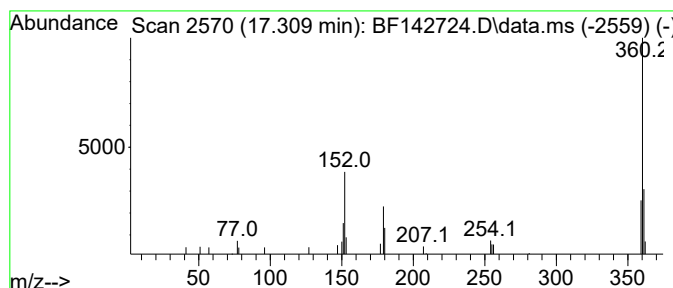
Instrument :
BNA_F
ClientSampleId :
PB168376BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 (1,1'-Biphenyl)-4,4'-diamin... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
17.309	2.94 ng	54050	Perylene-d12	15.562	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(1,1'-Biphenyl)-4,4'-diamine, N,N'-di-2-Naphthyl-p-phenylenediamine	360	C26H20N2	006311-48-4	93
2	Androst-4-ene-3,17-dione, 12-hydroxy-3,5-dimethyl-10-phenanthroline, 2,9-dimethyl-10-phenanthroline	360	C21H32N2O3	069688-31-9	47
3	Benzaldehyde, 4-hydroxy-3,5-dimethyl-10-phenanthroline, 2,9-dimethyl-10-phenanthroline	360	C18H20N2O6	014414-32-5	47
4	1,10-Phenanthroline, 2,9-dimethyl-10-phenanthroline	360	C26H20N2	004733-39-5	47
5	N,N'-di-2-Naphthyl-p-phenylenediamine	360	C26H20N2	000093-46-9	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
Data File : BF142724.D
Acq On : 11 Jun 2025 09:53
Operator : RC/JU
Sample : PB168376BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168376BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.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-...	5.128	9.4	ng	199933	1	6.892	426080	20.0
(1,1'-Biphenyl)...	17.309	2.9	ng	54050	6	15.562	367402	20.0

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	
Client Sample ID:	PB168376BS	SDG No.:	Q2268
Lab Sample ID:	PB168376BS	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142725.D	1	06/10/25 08:10	06/11/25 10:22	PB168376

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	30.9		3.90	10.0	ug/L
108-95-2	Phenol	41.6		0.91	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	42.6		0.81	5.00	ug/L
95-57-8	2-Chlorophenol	42.7		0.58	5.00	ug/L
95-48-7	2-Methylphenol	43.3		1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	40.6		1.30	5.00	ug/L
98-86-2	Acetophenone	41.8		0.74	5.00	ug/L
65794-96-9	3+4-Methylphenols	42.6		1.10	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	41.6		1.40	2.50	ug/L
67-72-1	Hexachloroethane	40.6		0.65	5.00	ug/L
98-95-3	Nitrobenzene	42.2		0.76	5.00	ug/L
78-59-1	Isophorone	41.8		0.75	5.00	ug/L
88-75-5	2-Nitrophenol	43.1		1.80	5.00	ug/L
105-67-9	2,4-Dimethylphenol	42.9		1.90	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	41.6		0.68	5.00	ug/L
120-83-2	2,4-Dichlorophenol	43.1		0.52	5.00	ug/L
91-20-3	Naphthalene	41.5		0.50	5.00	ug/L
106-47-8	4-Chloroaniline	21.2		0.84	5.00	ug/L
87-68-3	Hexachlorobutadiene	41.2		0.54	5.00	ug/L
105-60-2	Caprolactam	47.7		1.10	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	43.1		0.59	5.00	ug/L
91-57-6	2-Methylnaphthalene	41.4		0.56	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	87.7	E	3.60	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	44.3		0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	41.7		0.62	5.00	ug/L
92-52-4	1,1-Biphenyl	41.5		0.53	5.00	ug/L
91-58-7	2-Chloronaphthalene	42.1		0.61	5.00	ug/L
88-74-4	2-Nitroaniline	43.4		1.30	5.00	ug/L
131-11-3	Dimethylphthalate	43.8		0.61	5.00	ug/L

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	
Client Sample ID:	PB168376BS	SDG No.:	Q2268
Lab Sample ID:	PB168376BS	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142725.D	1	06/10/25 08:10	06/11/25 10:22	PB168376

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	42.2		0.75	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	43.1		0.92	5.00	ug/L
99-09-2	3-Nitroaniline	28.3		1.10	5.00	ug/L
83-32-9	Acenaphthene	47.5		0.55	5.00	ug/L
51-28-5	2,4-Dinitrophenol	100	E	6.00	10.0	ug/L
100-02-7	4-Nitrophenol	95.9	E	2.40	10.0	ug/L
132-64-9	Dibenzofuran	41.8		0.61	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	45.9		1.20	5.00	ug/L
84-66-2	Diethylphthalate	44.6		0.69	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	41.9		0.68	5.00	ug/L
86-73-7	Fluorene	41.9		0.63	5.00	ug/L
100-01-6	4-Nitroaniline	45.6		1.50	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	46.8		2.90	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	42.4		0.58	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	43.1		0.40	5.00	ug/L
118-74-1	Hexachlorobenzene	42.9		0.52	5.00	ug/L
1912-24-9	Atrazine	49.1		1.00	5.00	ug/L
87-86-5	Pentachlorophenol	90.0	E	1.60	10.0	ug/L
85-01-8	Phenanthrene	42.5		0.50	5.00	ug/L
120-12-7	Anthracene	43.0		0.61	5.00	ug/L
86-74-8	Carbazole	44.5		0.72	5.00	ug/L
84-74-2	Di-n-butylphthalate	47.6		1.20	5.00	ug/L
206-44-0	Fluoranthene	44.3		0.82	5.00	ug/L
129-00-0	Pyrene	46.6		0.50	5.00	ug/L
85-68-7	Butylbenzylphthalate	49.7		1.90	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	23.3		0.93	10.0	ug/L
56-55-3	Benzo(a)anthracene	46.7		0.45	5.00	ug/L
218-01-9	Chrysene	42.7		0.44	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	44.3		1.60	5.00	ug/L
117-84-0	Di-n-octyl phthalate	42.2		2.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	46.0		0.49	5.00	ug/L

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	
Client Sample ID:	PB168376BS	SDG No.:	Q2268
Lab Sample ID:	PB168376BS	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142725.D	1	06/10/25 08:10	06/11/25 10:22	PB168376

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	42.2		0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	45.0		0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	42.9		0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	43.2		0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	42.2		0.69	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	41.8		0.52	5.00	ug/L
123-91-1	1,4-Dioxane	34.0		1.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	45.1		0.72	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	118		23 - 138	79%	SPK: 150
13127-88-3	Phenol-d6	119		10 - 134	80%	SPK: 150
4165-60-0	Nitrobenzene-d5	73.1		67 - 132	73%	SPK: 100
321-60-8	2-Fluorobiphenyl	73.1		52 - 132	73%	SPK: 100
118-79-6	2,4,6-Tribromophenol	123		44 - 137	82%	SPK: 150
1718-51-0	Terphenyl-d14	82.5		42 - 152	83%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	83800	6.892			
1146-65-2	Naphthalene-d8	327000	8.181			
15067-26-2	Acenaphthene-d10	180000	9.939			
1517-22-2	Phenanthrene-d10	308000	11.427			
1719-03-5	Chrysene-d12	159000	14.068			
1520-96-3	Perylene-d12	162000	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\BF061125\
 Data File : BF142725.D
 Acq On : 11 Jun 2025 10:22
 Operator : RC/JU
 Sample : PB168376BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

PB168376BS

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 06/12/2025

Supervised By :Jagrut Upadhyay 06/12/2025

Quant Time: Jun 11 11:13:23 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Jun 11 05:56:09 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	83835	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	326703	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	180412	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	308296	20.000	ng	0.00
76) Chrysene-d12	14.068	240	158833	20.000	ng	0.00
86) Perylene-d12	15.562	264	161986	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	580030	117.836	ng	0.02
7) Phenol-d6	6.528	99	691497	119.370	ng	0.00
23) Nitrobenzene-d5	7.457	82	436631	73.142	ng	0.00
42) 2,4,6-Tribromophenol	10.733	330	243155	122.974	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	992837	73.113	ng	0.00
79) Terphenyl-d14	13.010	244	954097	82.501	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.775	88	66149	33.957	ng	99
3) Pyridine	3.528	79	186013	38.082	ng	99
4) n-Nitrosodimethylamine	3.487	42	104338	41.750	ng	99
6) Aniline	6.557	93	253774	32.731	ng	97
8) 2-Chlorophenol	6.681	128	229918	42.742	ng	97
9) Benzaldehyde	6.445	77	110710	30.861	ng	99
10) Phenol	6.539	94	267685	41.572	ng	94
11) bis(2-Chloroethyl)ether	6.628	93	204823	42.587	ng	99
12) 1,3-Dichlorobenzene	6.834	146	250548	40.813	ng	99
13) 1,4-Dichlorobenzene	6.910	146	252609	40.716	ng	99
14) 1,2-Dichlorobenzene	7.063	146	240865	40.501	ng	100
15) Benzyl Alcohol	7.034	79	190494	43.508	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.169	45	307209	40.570	ng	99
17) 2-Methylphenol	7.145	107	178635	43.318	ng	100
18) Hexachloroethane	7.404	117	90276	40.603	ng	98
19) n-Nitroso-di-n-propyla...	7.310	70	153514	41.627	ng	99
20) 3+4-Methylphenols	7.298	107	221436	42.592	ng	99
22) Acetophenone	7.304	105	303454	41.756	ng	99
24) Nitrobenzene	7.475	77	223324	42.151	ng	98
25) Isophorone	7.716	82	422503	41.801	ng	100
26) 2-Nitrophenol	7.792	139	127442	43.100	ng	99
27) 2,4-Dimethylphenol	7.828	122	216048	42.915	ng	100
28) bis(2-Chloroethoxy)met...	7.922	93	260828	41.564	ng	99
29) 2,4-Dichlorophenol	8.033	162	200329	43.119	ng	99
30) 1,2,4-Trichlorobenzene	8.116	180	211939	41.283	ng	99
31) Naphthalene	8.198	128	670455	41.495	ng	100
32) Benzoic acid	7.957	122	128911	45.468	ng	99
33) 4-Chloroaniline	8.245	127	137411	21.181	ng	99
34) Hexachlorobutadiene	8.316	225	134679	41.167	ng	98
35) Caprolactam	8.622	113	59769m	47.659	ng	
36) 4-Chloro-3-methylphenol	8.728	107	208372	43.133	ng	97
37) 2-Methylnaphthalene	8.892	142	423677	41.428	ng	98
38) 1-Methylnaphthalene	8.992	142	442423	41.760	ng	99
40) 1,2,4,5-Tetrachloroben...	9.057	216	218030	41.755	ng	99
41) Hexachlorocyclopentadiene	9.045	237	293801	87.666	ng	99
43) 2,4,6-Trichlorophenol	9.169	196	149594	44.257	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
 Data File : BF142725.D
 Acq On : 11 Jun 2025 10:22
 Operator : RC/JU
 Sample : PB168376BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB168376BS

Manual Integrations
 APPROVED

Reviewed By :Anahy Claudio 06/12/2025
 Supervised By :Jagrut Upadhyay 06/12/2025

Quant Time: Jun 11 11:13:23 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 11 05:56:09 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	152133	41.672	ng	98
46) 1,1'-Biphenyl	9.357	154	581527	41.510	ng	100
47) 2-Chloronaphthalene	9.380	162	434027	42.053	ng	99
48) 2-Nitroaniline	9.480	65	127361	43.387	ng	96
49) Acenaphthylene	9.798	152	734342	42.197	ng	100
50) Dimethylphthalate	9.657	163	527911	43.819	ng	100
51) 2,6-Dinitrotoluene	9.722	165	112140	43.068	ng	94
52) Acenaphthene	9.969	154	512699	47.517	ng	100
53) 3-Nitroaniline	9.886	138	79849	28.273	ng	98
54) 2,4-Dinitrophenol	9.998	184	144304	101.173	ng	92
55) Dibenzofuran	10.145	168	642292	41.803	ng	100
56) 4-Nitrophenol	10.057	139	183656	95.881	ng	100
57) 2,4-Dinitrotoluene	10.127	165	157845	45.850	ng	98
58) Fluorene	10.486	166	508917	41.944	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.263	232	138564	45.115	ng	97
60) Diethylphthalate	10.357	149	532883	44.607	ng	100
61) 4-Chlorophenyl-phenyle...	10.474	204	248130	41.875	ng	98
62) 4-Nitroaniline	10.510	138	115198	45.594	ng	98
63) Azobenzene	10.639	77	454272	43.540	ng	98
65) 4,6-Dinitro-2-methylph...	10.539	198	90283	46.764	ng	97
66) n-Nitrosodiphenylamine	10.598	169	449532	42.420	ng	100
67) 4-Bromophenyl-phenylether	10.969	248	156999	43.142	ng	98
68) Hexachlorobenzene	11.033	284	173469	42.943	ng	99
69) Atrazine	11.121	200	138694	49.090	ng	99
70) Pentachlorophenol	11.233	266	190489	89.961	ng	98
71) Phenanthrene	11.451	178	701943	42.499	ng	100
72) Anthracene	11.504	178	735078	43.022	ng	100
73) Carbazole	11.657	167	636939	44.529	ng	100
74) Di-n-butylphthalate	11.980	149	759535	47.554	ng	99
75) Fluoranthene	12.639	202	696379	44.340	ng	99
77) Benzidine	12.757	184	210533	37.219	ng	99
78) Pyrene	12.868	202	687115	46.551	ng	100
80) Butylbenzylphthalate	13.480	149	216900	49.693	ng	100
81) Benzo(a)anthracene	14.057	228	491932	46.738	ng	99
82) 3,3'-Dichlorobenzidine	14.021	252	78974	23.268	ng	99
83) Chrysene	14.098	228	414848	42.690	ng	100
84) Bis(2-ethylhexyl)phtha...	14.039	149	289978	44.268	ng	100
85) Di-n-octyl phthalate	14.657	149	530471	42.210	ng	100
87) Indeno(1,2,3-cd)pyrene	17.086	276	515505	42.944	ng	99
88) Benzo(b)fluoranthene	15.121	252	438882	46.014	ng	100
89) Benzo(k)fluoranthene	15.151	252	390129	42.156	ng	99
90) Benzo(a)pyrene	15.504	252	408503	45.046	ng	100
91) Dibenzo(a,h)anthracene	17.098	278	423087	43.165	ng	99
92) Benzo(g,h,i)perylene	17.545	276	411061	42.174	ng	99

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

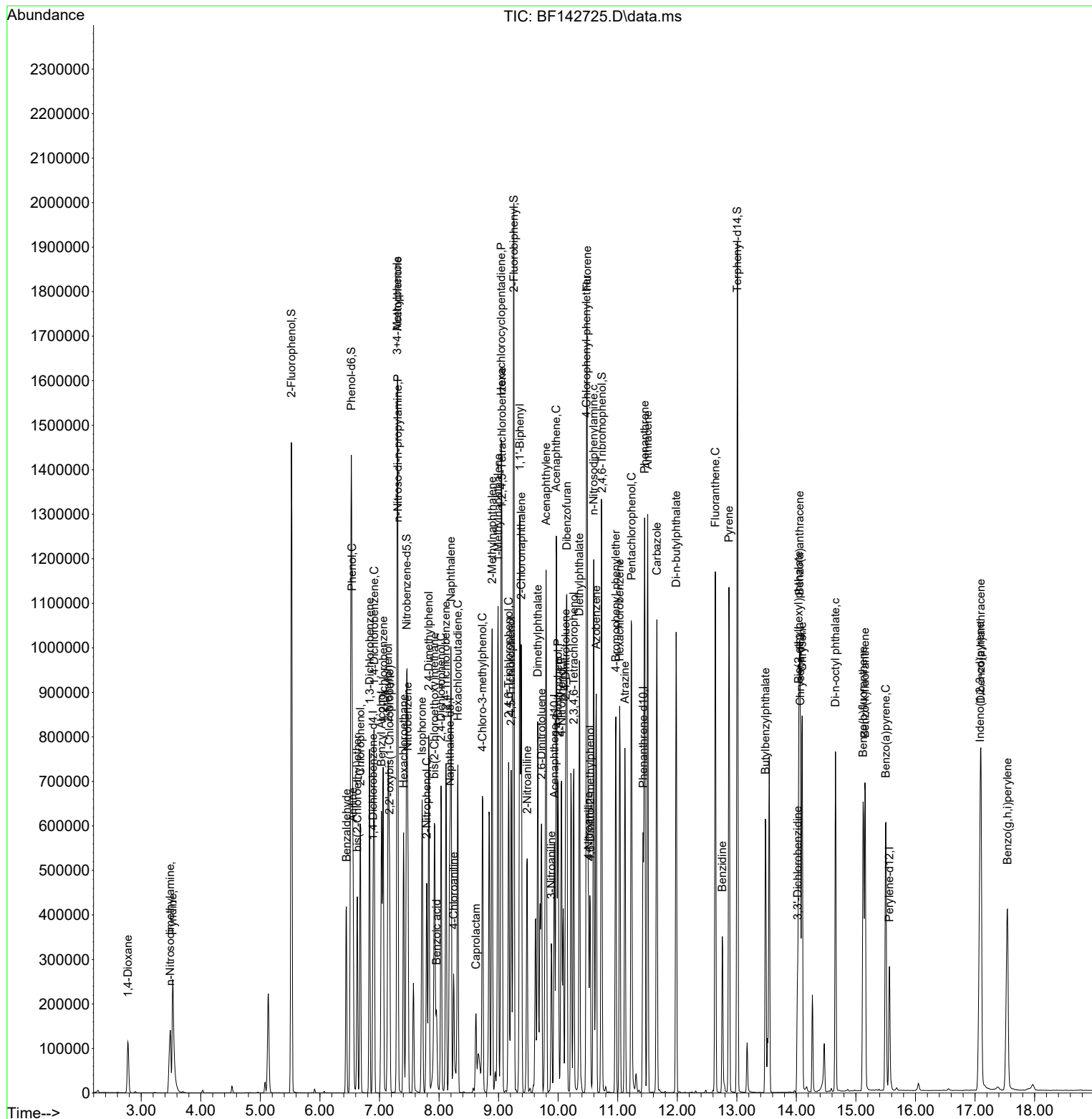
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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\  
Data File : BF142725.D  
Acq On    : 11 Jun 2025  10:22  
Operator  : RC/JU  
Sample    : PB168376BS  
Misc      :  
ALS Vial  : 4    Sample Multiplier: 1
```

Instrument :
BNA_F
ClientSampleId :
PB168376BS

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 06/12/2025
Supervised By :Jagrut Upadhyay 06/12/2025

Quant Time: Jun 11 11:13:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 11 05:56:09 2025
Response via : Initial Calibration



Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	06/05/25
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	06/06/25
Client Sample ID:	MW-2-20250605MS	SDG No.:	Q2268
Lab Sample ID:	Q2268-04MS	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142735.D	1	06/10/25 08:10	06/11/25 15:20	PB168376

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	50.8		4.10	10.4	ug/L
108-95-2	Phenol	19.2		0.95	5.20	ug/L
111-44-4	bis(2-Chloroethyl)ether	46.6		0.84	5.20	ug/L
95-57-8	2-Chlorophenol	40.6		0.60	5.20	ug/L
95-48-7	2-Methylphenol	34.5		1.20	5.20	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	46.1		1.30	5.20	ug/L
98-86-2	Acetophenone	76.2		0.77	5.20	ug/L
65794-96-9	3+4-Methylphenols	30.8		1.10	10.4	ug/L
621-64-7	n-Nitroso-di-n-propylamine	46.1		1.50	2.60	ug/L
67-72-1	Hexachloroethane	110	E	0.68	5.20	ug/L
98-95-3	Nitrobenzene	53.6		0.79	5.20	ug/L
78-59-1	Isophorone	47.1		0.78	5.20	ug/L
88-75-5	2-Nitrophenol	47.9		1.80	5.20	ug/L
105-67-9	2,4-Dimethylphenol	45.1		1.90	5.20	ug/L
111-91-1	bis(2-Chloroethoxy)methane	47.8		0.71	5.20	ug/L
120-83-2	2,4-Dichlorophenol	44.7		0.54	5.20	ug/L
91-20-3	Naphthalene	160	E	0.52	5.20	ug/L
106-47-8	4-Chloroaniline	15.1		0.88	5.20	ug/L
87-68-3	Hexachlorobutadiene	43.5		0.56	5.20	ug/L
105-60-2	Caprolactam	10.3	J	1.20	10.4	ug/L
59-50-7	4-Chloro-3-methylphenol	39.0		0.61	5.20	ug/L
91-57-6	2-Methylnaphthalene	83.6	E	0.58	5.20	ug/L
77-47-4	Hexachlorocyclopentadiene	88.1	E	3.80	10.4	ug/L
88-06-2	2,4,6-Trichlorophenol	48.7		0.53	5.20	ug/L
95-95-4	2,4,5-Trichlorophenol	48.2		0.65	5.20	ug/L
92-52-4	1,1-Biphenyl	52.1		0.55	5.20	ug/L
91-58-7	2-Chloronaphthalene	51.3		0.64	5.20	ug/L
88-74-4	2-Nitroaniline	49.6		1.30	5.20	ug/L
131-11-3	Dimethylphthalate	49.2		0.64	5.20	ug/L

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.		Date Collected:	06/05/25	
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05		Date Received:	06/06/25	
Client Sample ID:	MW-2-20250605MS		SDG No.:	Q2268	
Lab Sample ID:	Q2268-04MS		Matrix:	Water	
Analytical Method:	8270E		% Solid:	0	
Sample Wt/Vol:	960	Units: mL	Final Vol:	1000	uL
Soil Aliquot Vol:		uL	Test:	SVOCMS Group1	
Extraction Type :		Decanted : N	Level :	LOW	
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N	PH :
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142735.D	1	06/10/25 08:10	06/11/25 15:20	PB168376

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	49.7		0.78	5.20	ug/L
606-20-2	2,6-Dinitrotoluene	49.2		0.96	5.20	ug/L
99-09-2	3-Nitroaniline	22.2		1.10	5.20	ug/L
83-32-9	Acenaphthene	53.5		0.57	5.20	ug/L
51-28-5	2,4-Dinitrophenol	88.8	E	6.20	10.4	ug/L
100-02-7	4-Nitrophenol	41.2		2.50	10.4	ug/L
132-64-9	Dibenzofuran	50.4		0.64	5.20	ug/L
121-14-2	2,4-Dinitrotoluene	48.7		1.30	5.20	ug/L
84-66-2	Diethylphthalate	49.9		0.72	5.20	ug/L
7005-72-3	4-Chlorophenyl-phenylether	48.1		0.71	5.20	ug/L
86-73-7	Fluorene	49.5		0.66	5.20	ug/L
100-01-6	4-Nitroaniline	42.7		1.60	5.20	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	46.0		3.00	10.4	ug/L
86-30-6	n-Nitrosodiphenylamine	50.8		0.60	5.20	ug/L
101-55-3	4-Bromophenyl-phenylether	52.1		0.42	5.20	ug/L
118-74-1	Hexachlorobenzene	51.6		0.54	5.20	ug/L
1912-24-9	Atrazine	55.7		1.10	5.20	ug/L
87-86-5	Pentachlorophenol	110	E	1.60	10.4	ug/L
85-01-8	Phenanthrene	53.1		0.52	5.20	ug/L
120-12-7	Anthracene	51.7		0.64	5.20	ug/L
86-74-8	Carbazole	55.6		0.75	5.20	ug/L
84-74-2	Di-n-butylphthalate	63.0		1.30	5.20	ug/L
206-44-0	Fluoranthene	57.6		0.85	5.20	ug/L
129-00-0	Pyrene	36.0		0.52	5.20	ug/L
85-68-7	Butylbenzylphthalate	57.1		2.00	5.20	ug/L
91-94-1	3,3-Dichlorobenzidine	26.3		0.97	10.4	ug/L
56-55-3	Benzo(a)anthracene	50.7		0.47	5.20	ug/L
218-01-9	Chrysene	51.0		0.46	5.20	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	55.5		1.70	5.20	ug/L
117-84-0	Di-n-octyl phthalate	51.4		2.40	10.4	ug/L
205-99-2	Benzo(b)fluoranthene	55.1		0.51	5.20	ug/L

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	06/05/25
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	06/06/25
Client Sample ID:	MW-2-20250605MS	SDG No.:	Q2268
Lab Sample ID:	Q2268-04MS	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142735.D	1	06/10/25 08:10	06/11/25 15:20	PB168376

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	47.1		0.50	5.20	ug/L
50-32-8	Benzo(a)pyrene	51.5		0.57	5.20	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	47.1		0.61	5.20	ug/L
53-70-3	Dibenzo(a,h)anthracene	47.3		0.70	5.20	ug/L
191-24-2	Benzo(g,h,i)perylene	45.7		0.72	5.20	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	51.9		0.54	5.20	ug/L
123-91-1	1,4-Dioxane	24.8		1.00	5.20	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	46.2		0.75	5.20	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	60.0		23 - 138	40%	SPK: 150
13127-88-3	Phenol-d6	45.1		10 - 134	30%	SPK: 150
4165-60-0	Nitrobenzene-d5	82.4		67 - 132	82%	SPK: 100
321-60-8	2-Fluorobiphenyl	85.2		52 - 132	85%	SPK: 100
118-79-6	2,4,6-Tribromophenol	123		44 - 137	82%	SPK: 150
1718-51-0	Terphenyl-d14	60.1		42 - 152	60%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	54200	6.893			
1146-65-2	Naphthalene-d8	195000	8.181			
15067-26-2	Acenaphthene-d10	96500	9.933			
1517-22-2	Phenanthrene-d10	149000	11.422			
1719-03-5	Chrysene-d12	131000	14.069			
1520-96-3	Perylene-d12	158000	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\BF061125\
 Data File : BF142735.D
 Acq On : 11 Jun 2025 15:20
 Operator : RC/JU
 Sample : Q2268-04MS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-2-20250605MS

Manual Integrations
 APPROVED

Reviewed By :Anahy Claudio 06/12/2025
 Supervised By :Jagrut Upadhyay 06/12/2025

Quant Time: Jun 11 15:50:56 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 11 05:56:09 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	54183	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	194768	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	96533	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	149205	20.000	ng	0.00
76) Chrysene-d12	14.069	240	131264	20.000	ng	0.00
86) Perylene-d12	15.563	264	157611	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	190896	60.005	ng	0.00
7) Phenol-d6	6.522	99	168809	45.088	ng	0.00
23) Nitrobenzene-d5	7.457	82	293258	82.402	ng	0.00
42) 2,4,6-Tribromophenol	10.728	330	130175	123.040	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	619422	85.249	ng	0.00
79) Terphenyl-d14	13.004	244	574387	60.099	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.699	88	30009	23.835	ng	95
3) Pyridine	3.469	79	74215	23.509	ng	98
4) n-Nitrosodimethylamine	3.405	42	42284	26.179	ng	# 98
6) Aniline	6.557	93	108350	21.622	ng	99
8) 2-Chlorophenol	6.681	128	135667	39.022	ng	98
9) Benzaldehyde	6.445	77	112972	48.726	ng	# 1
10) Phenol	6.534	94	76822	18.460	ng	99
11) bis(2-Chloroethyl)ether	6.628	93	138999	44.717	ng	100
12) 1,3-Dichlorobenzene	6.834	146	146256	36.862	ng	100
13) 1,4-Dichlorobenzene	6.910	146	148238	36.969	ng	100
14) 1,2-Dichlorobenzene	7.063	146	139245	36.227	ng	99
15) Benzyl Alcohol	7.034	79	92774	32.785	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.169	45	216381	44.213	ng	98
17) 2-Methylphenol	7.145	107	88396	33.166	ng	# 94
18) Hexachloroethane	7.428	117	146430	101.901	ng	# 1
19) n-Nitroso-di-n-propyla...	7.304	70	105486	44.257	ng	99
20) 3+4-Methylphenols	7.298	107	99491	29.609	ng	# 61
22) Acetophenone	7.298	105	316906	73.147	ng	# 94
24) Nitrobenzene	7.475	77	162514	51.451	ng	94
25) Isophorone	7.716	82	272219	45.177	ng	98
26) 2-Nitrophenol	7.792	139	81120	46.019	ng	96
27) 2,4-Dimethylphenol	7.828	122	129833	43.260	ng	100
28) bis(2-Chloroethoxy)met...	7.922	93	171522	45.848	ng	99
29) 2,4-Dichlorophenol	8.039	162	118894	42.926	ng	97
30) 1,2,4-Trichlorobenzene	8.116	180	135245	44.189	ng	100
31) Naphthalene	8.204	128	1443846	149.893	ng	99
32) Benzoic acid	7.910	122	33669m	19.920	ng	
33) 4-Chloroaniline	8.245	127	56011	14.482	ng	95
34) Hexachlorobutadiene	8.316	225	81505	41.790	ng	98
35) Caprolactam	8.645	113	7378	9.868	ng	93
36) 4-Chloro-3-methylphenol	8.722	107	107688	37.392	ng	97
37) 2-Methylnaphthalene	8.892	142	489047	80.213	ng	98
38) 1-Methylnaphthalene	8.992	142	403754	63.926	ng	100
40) 1,2,4,5-Tetrachloroben...	9.057	216	139097	49.785	ng	98
41) Hexachlorocyclopentadiene	9.045	237	151626	84.555	ng	98
43) 2,4,6-Trichlorophenol	9.169	196	84541	46.744	ng	97

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
 Data File : BF142735.D
 Acq On : 11 Jun 2025 15:20
 Operator : RC/JU
 Sample : Q2268-04MS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-2-20250605MS

Manual Integrations
 APPROVED

Reviewed By :Anahy Claudio 06/12/2025
 Supervised By :Jagrut Upadhyay 06/12/2025

Quant Time: Jun 11 15:50:56 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 11 05:56:09 2025
 Response via : Initial Calibration

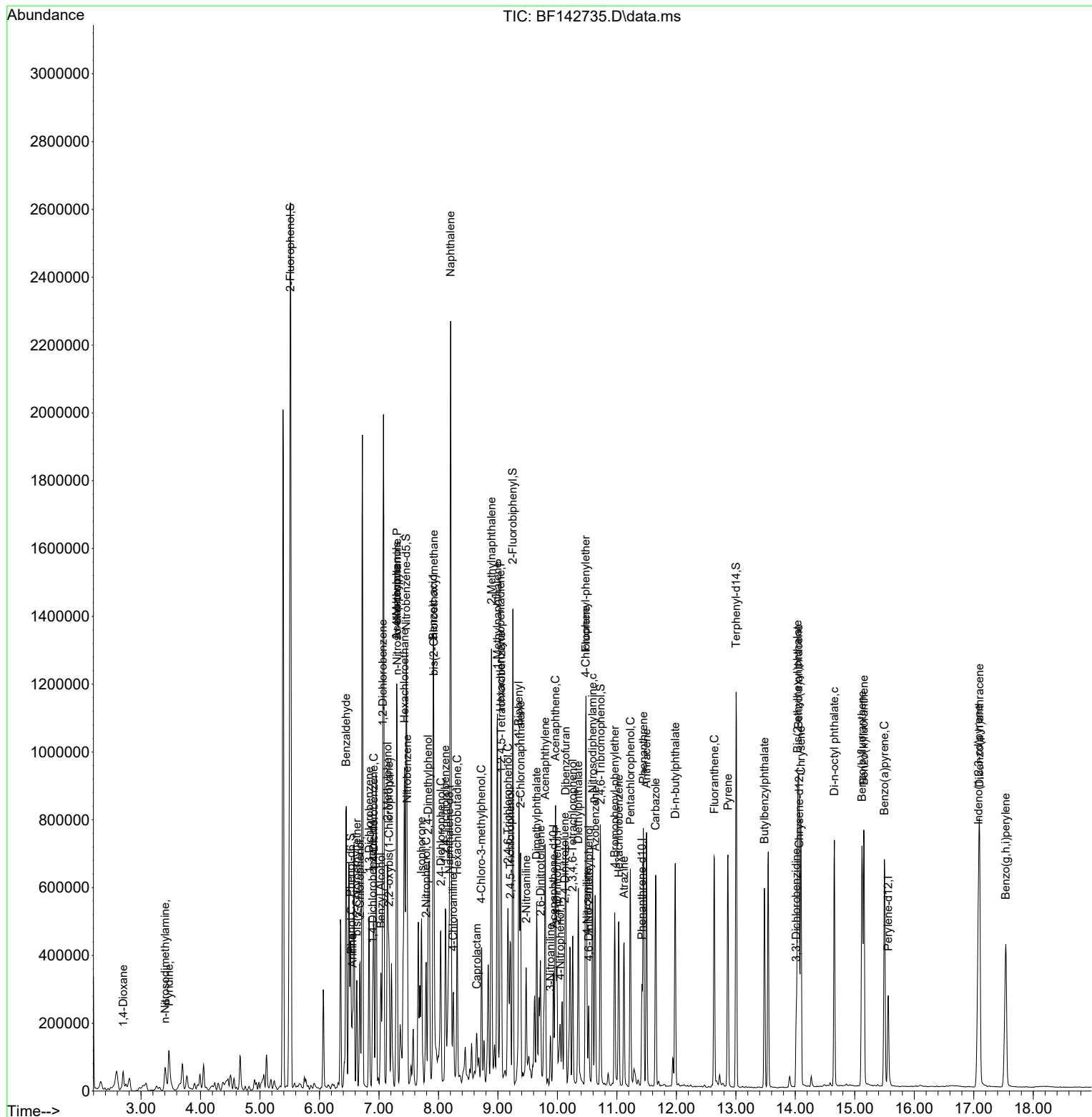
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	90449	46.303	ng	98
46) 1,1'-Biphenyl	9.351	154	374772	49.997	ng	99
47) 2-Chloronaphthalene	9.381	162	271776	49.213	ng	99
48) 2-Nitroaniline	9.475	65	74730	47.578	ng	99
49) Acenaphthylene	9.792	152	444191	47.703	ng	100
50) Dimethylphthalate	9.651	163	304222	47.193	ng	100
51) 2,6-Dinitrotoluene	9.716	165	65791	47.222	ng	95
52) Acenaphthene	9.969	154	296788	51.407	ng	99
53) 3-Nitroaniline	9.881	138	32158	21.281	ng	96
54) 2,4-Dinitrophenol	9.992	184	65055	85.243	ng	91
55) Dibenzofuran	10.139	168	397876	48.396	ng	98
56) 4-Nitrophenol	10.045	139	40552	39.567	ng	98
57) 2,4-Dinitrotoluene	10.122	165	86133	46.759	ng	99
58) Fluorene	10.480	166	308320	47.491	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.257	232	72848m	44.328	ng	
60) Diethylphthalate	10.351	149	306024	47.876	ng	100
61) 4-Chlorophenyl-phenyle...	10.475	204	146451	46.191	ng	99
62) 4-Nitroaniline	10.498	138	55367	40.955	ng	99
63) Azobenzene	10.633	77	259761	46.531	ng	98
65) 4,6-Dinitro-2-methylph...	10.528	198	41273	44.173	ng	96
66) n-Nitrosodiphenylamine	10.592	169	250126	48.770	ng	100
67) 4-Bromophenyl-phenylether	10.963	248	88012	49.973	ng	97
68) Hexachlorobenzene	11.033	284	96899	49.565	ng	98
69) Atrazine	11.122	200	73139	53.489	ng	99
70) Pentachlorophenol	11.228	266	108714	106.085	ng	100
71) Phenanthrene	11.445	178	407429	50.970	ng	99
72) Anthracene	11.498	178	410494	49.642	ng	100
73) Carbazole	11.651	167	369243	53.339	ng	99
74) Di-n-butylphthalate	11.980	149	467525	60.483	ng	99
75) Fluoranthene	12.639	202	419950	55.250	ng	99
78) Pyrene	12.869	202	421513	34.555	ng	99
80) Butylbenzylphthalate	13.480	149	197597	54.778	ng	99
81) Benzo(a)anthracene	14.057	228	422953	48.624	ng	100
82) 3,3'-Dichlorobenzidine	14.016	252	70837	25.254	ng	98
83) Chrysene	14.092	228	393175	48.958	ng	100
84) Bis(2-ethylhexyl)phtha...	14.039	149	288438	53.281	ng	99
85) Di-n-octyl phthalate	14.657	149	512678	49.362	ng	100
87) Indeno(1,2,3-cd)pyrene	17.080	276	528129	45.217	ng	100
88) Benzo(b)fluoranthene	15.121	252	490678	52.873	ng	99
89) Benzo(k)fluoranthene	15.151	252	407250	45.228	ng	99
90) Benzo(a)pyrene	15.498	252	435969	49.409	ng	99
91) Dibenzo(a,h)anthracene	17.098	278	432848	45.387	ng	99
92) Benzo(g,h,i)perylene	17.539	276	416129	43.879	ng	99

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

Instrument :
BNA_F
ClientSampleId :
MW-2-20250605MS

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 06/12/2025
Supervised By :Jaqrut Upadhyay 06/12/2025



Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	06/05/25
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	06/06/25
Client Sample ID:	MW-2-20250605MSD	SDG No.:	Q2268
Lab Sample ID:	Q2268-05MSD	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142736.D	1	06/10/25 08:10	06/11/25 15:50	PB168376

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	47.0		4.10	10.4	ug/L
108-95-2	Phenol	18.0		0.95	5.20	ug/L
111-44-4	bis(2-Chloroethyl)ether	43.5		0.84	5.20	ug/L
95-57-8	2-Chlorophenol	38.1		0.60	5.20	ug/L
95-48-7	2-Methylphenol	33.0		1.20	5.20	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	42.7		1.30	5.20	ug/L
98-86-2	Acetophenone	72.7		0.77	5.20	ug/L
65794-96-9	3+4-Methylphenols	29.0		1.10	10.4	ug/L
621-64-7	n-Nitroso-di-n-propylamine	42.8		1.50	2.60	ug/L
67-72-1	Hexachloroethane	100	E	0.68	5.20	ug/L
98-95-3	Nitrobenzene	51.2		0.79	5.20	ug/L
78-59-1	Isophorone	45.3		0.78	5.20	ug/L
88-75-5	2-Nitrophenol	46.6		1.80	5.20	ug/L
105-67-9	2,4-Dimethylphenol	45.3		1.90	5.20	ug/L
111-91-1	bis(2-Chloroethoxy)methane	45.7		0.71	5.20	ug/L
120-83-2	2,4-Dichlorophenol	43.3		0.54	5.20	ug/L
91-20-3	Naphthalene	150	E	0.52	5.20	ug/L
106-47-8	4-Chloroaniline	18.3		0.88	5.20	ug/L
87-68-3	Hexachlorobutadiene	41.9		0.56	5.20	ug/L
105-60-2	Caprolactam	10.0	J	1.20	10.4	ug/L
59-50-7	4-Chloro-3-methylphenol	38.0		0.61	5.20	ug/L
91-57-6	2-Methylnaphthalene	80.6		0.58	5.20	ug/L
77-47-4	Hexachlorocyclopentadiene	85.2	E	3.80	10.4	ug/L
88-06-2	2,4,6-Trichlorophenol	48.7		0.53	5.20	ug/L
95-95-4	2,4,5-Trichlorophenol	45.7		0.65	5.20	ug/L
92-52-4	1,1-Biphenyl	49.6		0.55	5.20	ug/L
91-58-7	2-Chloronaphthalene	49.2		0.64	5.20	ug/L
88-74-4	2-Nitroaniline	47.3		1.30	5.20	ug/L
131-11-3	Dimethylphthalate	47.9		0.64	5.20	ug/L

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	06/05/25
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	06/06/25
Client Sample ID:	MW-2-20250605MSD	SDG No.:	Q2268
Lab Sample ID:	Q2268-05MSD	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142736.D	1	06/10/25 08:10	06/11/25 15:50	PB168376

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	47.9		0.78	5.20	ug/L
606-20-2	2,6-Dinitrotoluene	46.9		0.96	5.20	ug/L
99-09-2	3-Nitroaniline	22.4		1.10	5.20	ug/L
83-32-9	Acenaphthene	51.6		0.57	5.20	ug/L
51-28-5	2,4-Dinitrophenol	84.3	E	6.20	10.4	ug/L
100-02-7	4-Nitrophenol	38.0		2.50	10.4	ug/L
132-64-9	Dibenzofuran	48.1		0.64	5.20	ug/L
121-14-2	2,4-Dinitrotoluene	47.4		1.30	5.20	ug/L
84-66-2	Diethylphthalate	48.5		0.72	5.20	ug/L
7005-72-3	4-Chlorophenyl-phenylether	46.9		0.71	5.20	ug/L
86-73-7	Fluorene	47.5		0.66	5.20	ug/L
100-01-6	4-Nitroaniline	40.1		1.60	5.20	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	45.4		3.00	10.4	ug/L
86-30-6	n-Nitrosodiphenylamine	48.7		0.60	5.20	ug/L
101-55-3	4-Bromophenyl-phenylether	48.3		0.42	5.20	ug/L
118-74-1	Hexachlorobenzene	48.2		0.54	5.20	ug/L
1912-24-9	Atrazine	53.5		1.10	5.20	ug/L
87-86-5	Pentachlorophenol	100	E	1.60	10.4	ug/L
85-01-8	Phenanthrene	50.3		0.52	5.20	ug/L
120-12-7	Anthracene	48.2		0.64	5.20	ug/L
86-74-8	Carbazole	52.1		0.75	5.20	ug/L
84-74-2	Di-n-butylphthalate	59.2		1.30	5.20	ug/L
206-44-0	Fluoranthene	53.0		0.85	5.20	ug/L
129-00-0	Pyrene	36.0		0.52	5.20	ug/L
85-68-7	Butylbenzylphthalate	55.9		2.00	5.20	ug/L
91-94-1	3,3-Dichlorobenzidine	26.9		0.97	10.4	ug/L
56-55-3	Benzo(a)anthracene	48.2		0.47	5.20	ug/L
218-01-9	Chrysene	49.0		0.46	5.20	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	54.5		1.70	5.20	ug/L
117-84-0	Di-n-octyl phthalate	49.8		2.40	10.4	ug/L
205-99-2	Benzo(b)fluoranthene	52.4		0.51	5.20	ug/L

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	06/05/25
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	06/06/25
Client Sample ID:	MW-2-20250605MSD	SDG No.:	Q2268
Lab Sample ID:	Q2268-05MSD	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142736.D	1	06/10/25 08:10	06/11/25 15:50	PB168376

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	44.5		0.50	5.20	ug/L
50-32-8	Benzo(a)pyrene	48.4		0.57	5.20	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	44.2		0.61	5.20	ug/L
53-70-3	Dibenzo(a,h)anthracene	44.7		0.70	5.20	ug/L
191-24-2	Benzo(g,h,i)perylene	42.3		0.72	5.20	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	49.5		0.54	5.20	ug/L
123-91-1	1,4-Dioxane	22.5		1.00	5.20	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	44.1		0.75	5.20	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	55.9		23 - 138	37%	SPK: 150
13127-88-3	Phenol-d6	42.3		10 - 134	28%	SPK: 150
4165-60-0	Nitrobenzene-d5	79.3		67 - 132	79%	SPK: 100
321-60-8	2-Fluorobiphenyl	81.5		52 - 132	82%	SPK: 100
118-79-6	2,4,6-Tribromophenol	120		44 - 137	80%	SPK: 150
1718-51-0	Terphenyl-d14	59.3		42 - 152	59%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	58500	6.893			
1146-65-2	Naphthalene-d8	207000	8.181			
15067-26-2	Acenaphthene-d10	104000	9.934			
1517-22-2	Phenanthrene-d10	163000	11.422			
1719-03-5	Chrysene-d12	133000	14.069			
1520-96-3	Perylene-d12	160000	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\BF061125\
 Data File : BF142736.D
 Acq On : 11 Jun 2025 15:50
 Operator : RC/JU
 Sample : Q2268-05MSD
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-2-20250605MSD

Quant Time: Jun 11 16:36:53 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 11 05:56:09 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	58463	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	206678	20.000	ng	0.00
39) Acenaphthene-d10	9.934	164	103506	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	162996	20.000	ng	0.00
76) Chrysene-d12	14.069	240	132941	20.000	ng	0.00
86) Perylene-d12	15.563	264	159622	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	191950	55.919	ng	0.00
7) Phenol-d6	6.522	99	171018	42.334	ng	0.00
23) Nitrobenzene-d5	7.457	82	299422	79.286	ng	0.00
42) 2,4,6-Tribromophenol	10.728	330	135616	119.547	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	634996	81.505	ng	0.00
79) Terphenyl-d14	13.004	244	574248	59.327	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.699	88	29373	21.622	ng	94
3) Pyridine	3.469	79	73497	21.577	ng	97
4) n-Nitrosodimethylamine	3.405	42	43599	25.017	ng	98
6) Aniline	6.551	93	110101	20.363	ng	97
8) 2-Chlorophenol	6.675	128	137072	36.540	ng	100
9) Benzaldehyde	6.446	77	112971	45.158	ng	# 1
10) Phenol	6.534	94	77804	17.327	ng	97
11) bis(2-Chloroethyl)ether	6.628	93	140014	41.746	ng	100
12) 1,3-Dichlorobenzene	6.834	146	144468	33.746	ng	98
13) 1,4-Dichlorobenzene	6.910	146	151410	34.996	ng	99
14) 1,2-Dichlorobenzene	7.063	146	140010	33.760	ng	99
15) Benzyl Alcohol	7.034	79	95965	31.430	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.169	45	216361	40.973	ng	98
17) 2-Methylphenol	7.146	107	91152	31.696	ng	# 93
18) Hexachloroethane	7.428	117	149457	96.394	ng	# 1
19) n-Nitroso-di-n-propyla...	7.304	70	105683	41.093	ng	99
20) 3+4-Methylphenols	7.298	107	100948	27.843	ng	# 61
22) Acetophenone	7.298	105	320733	69.764	ng	# 94
24) Nitrobenzene	7.475	77	164821	49.175	ng	95
25) Isophorone	7.716	82	278022	43.481	ng	98
26) 2-Nitrophenol	7.793	139	83640	44.714	ng	98
27) 2,4-Dimethylphenol	7.828	122	138371	43.448	ng	100
28) bis(2-Chloroethoxy)met...	7.922	93	174273	43.899	ng	99
29) 2,4-Dichlorophenol	8.034	162	122185	41.572	ng	99
30) 1,2,4-Trichlorobenzene	8.116	180	136801	42.122	ng	100
31) Naphthalene	8.204	128	1455072	142.354	ng	98
32) Benzoic acid	7.916	122	40025	22.316	ng	# 1
33) 4-Chloroaniline	8.245	127	72086	17.565	ng	97
34) Hexachlorobutadiene	8.316	225	83284	40.241	ng	100
35) Caprolactam	8.645	113	7595	9.573	ng	# 89
36) 4-Chloro-3-methylphenol	8.722	107	111607	36.519	ng	96
37) 2-Methylnaphthalene	8.892	142	500547	77.368	ng	99
38) 1-Methylnaphthalene	8.992	142	414215	61.803	ng	100
40) 1,2,4,5-Tetrachloroben...	9.057	216	142448	47.550	ng	99
41) Hexachlorocyclopentadiene	9.045	237	157179	81.747	ng	100
43) 2,4,6-Trichlorophenol	9.169	196	90630	46.735	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
 Data File : BF142736.D
 Acq On : 11 Jun 2025 15:50
 Operator : RC/JU
 Sample : Q2268-05MSD
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-2-20250605MSD

Quant Time: Jun 11 16:36:53 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 11 05:56:09 2025
 Response via : Initial Calibration

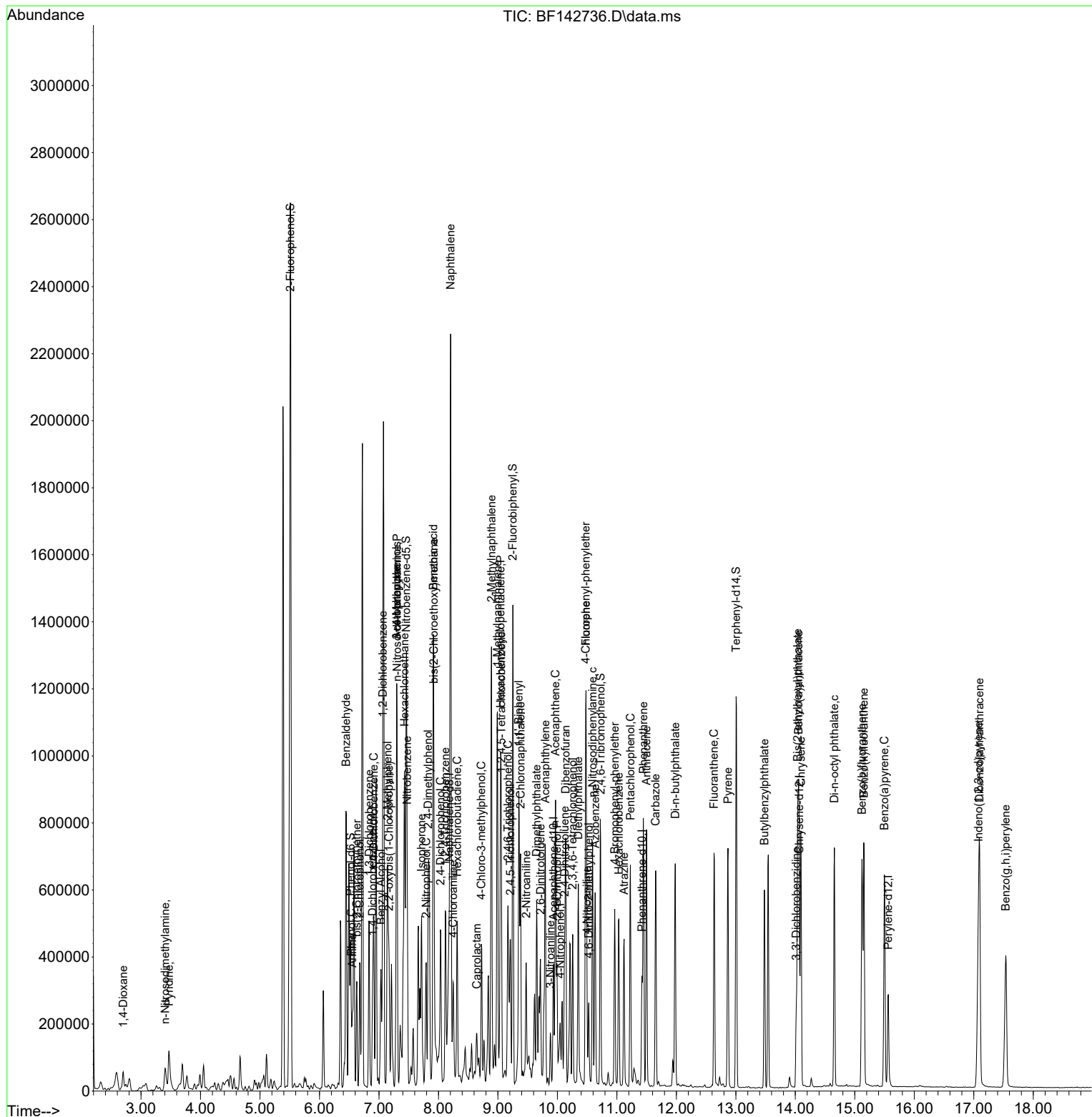
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	91792	43.825	ng	99
46) 1,1'-Biphenyl	9.351	154	383000	47.652	ng	100
47) 2-Chloronaphthalene	9.381	162	279708	47.237	ng	98
48) 2-Nitroaniline	9.475	65	76517	45.434	ng	100
49) Acenaphthylene	9.798	152	458958	45.968	ng	99
50) Dimethylphthalate	9.651	163	317587	45.948	ng	100
51) 2,6-Dinitrotoluene	9.716	165	67327	45.069	ng	93
52) Acenaphthene	9.969	154	306842	49.568	ng	99
53) 3-Nitroaniline	9.881	138	34800	21.478	ng	99
54) 2,4-Dinitrophenol	9.992	184	66227	80.932	ng	93
55) Dibenzofuran	10.139	168	407323	46.208	ng	99
56) 4-Nitrophenol	10.045	139	40099	36.489	ng	96
57) 2,4-Dinitrotoluene	10.122	165	89902	45.517	ng	98
58) Fluorene	10.481	166	317178	45.564	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.257	232	74616	42.345	ng	# 96
60) Diethylphthalate	10.351	149	319130	46.563	ng	99
61) 4-Chlorophenyl-phenyle...	10.475	204	153191	45.062	ng	98
62) 4-Nitroaniline	10.498	138	55849	38.528	ng	98
63) Azobenzene	10.634	77	267765	44.733	ng	98
65) 4,6-Dinitro-2-methylph...	10.528	198	44445	43.543	ng	97
66) n-Nitrosodiphenylamine	10.592	169	261960	46.755	ng	100
67) 4-Bromophenyl-phenylether	10.963	248	89155	46.339	ng	97
68) Hexachlorobenzene	11.034	284	98739	46.233	ng	98
69) Atrazine	11.122	200	76777	51.399	ng	98
70) Pentachlorophenol	11.228	266	111153	99.288	ng	99
71) Phenanthrene	11.445	178	421808	48.304	ng	99
72) Anthracene	11.498	178	418256	46.301	ng	99
73) Carbazole	11.651	167	378361	50.032	ng	99
74) Di-n-butylphthalate	11.980	149	480202	56.867	ng	100
75) Fluoranthene	12.633	202	422658	50.901	ng	99
78) Pyrene	12.869	202	426496	34.522	ng	99
80) Butylbenzylphthalate	13.480	149	196200	53.705	ng	99
81) Benzo(a)anthracene	14.057	228	407334	46.238	ng	99
82) 3,3'-Dichlorobenzidine	14.016	252	73280	25.795	ng	99
83) Chrysene	14.092	228	382346	47.009	ng	99
84) Bis(2-ethylhexyl)phtha...	14.039	149	286992	52.345	ng	100
85) Di-n-octyl phthalate	14.657	149	503310	47.849	ng	100
87) Indeno(1,2,3-cd)pyrene	17.080	276	502146	42.451	ng	99
88) Benzo(b)fluoranthene	15.121	252	472787	50.303	ng	99
89) Benzo(k)fluoranthene	15.151	252	389405	42.701	ng	100
90) Benzo(a)pyrene	15.498	252	415470	46.492	ng	100
91) Dibenzo(a,h)anthracene	17.098	278	414794	42.946	ng	99
92) Benzo(g,h,i)perylene	17.539	276	389816	40.587	ng	99

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

```
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\  
Data File : BF142736.D  
Acq On    : 11 Jun 2025  15:50  
Operator  : RC/JU  
Sample    : Q2268-05MSD  
Misc      :  
ALS Vial  : 15    Sample Multiplier: 1
```

Instrument :
BNA_F
ClientSampleId :
MW-2-20250605MSD

Quant Time: Jun 11 16:36:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 11 05:56:09 2025
Response via : Initial Calibration



Manual Integration Report

Sequence:

BF061125

Instrument

BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC010	BF142714.D	2,3,4,6-Tetrachlorophen ol	Rahul	6/11/2025 9:18:06 AM	Jagrut	6/11/2025 9:58:06 AM	Peak Integrated by Software
SSTDICC080	BF142719.D	Caprolactam	Rahul	6/11/2025 9:18:10 AM	Jagrut	6/11/2025 9:58:02 AM	Peak Integrated by Software
PB168376BS	BF142725.D	Caprolactam	anahy	6/12/2025 9:35:03 AM	Jagrut	6/12/2025 11:37:31 AM	Peak Integrated by Software
Q2268-04MS	BF142735.D	2,3,4,6-Tetrachlorophen ol	anahy	6/12/2025 9:48:06 AM	Jagrut	6/12/2025 11:37:47 AM	Peak Integrated by Software
Q2268-04MS	BF142735.D	Benzoic acid	anahy	6/12/2025 9:48:06 AM	Jagrut	6/12/2025 11:37:47 AM	Peak Integrated by Software



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

Manual Integration Report

Sequence:

BF061225

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 # BF061125

Review By	Rahul	Review On	6/11/2025 9:54:45 AM
Supervise By	Jagrut	Supervise On	6/11/2025 9:58:22 AM
SubDirectory	BF061125	HP Acquire Method	BNA_F
		HP Processing Method	BF061125
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791		
CCC	SP6787		
Internal Standard/PEM	S12668,10ul/1000ul sample		
ICV/I.BLK	SP6770		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF142710.D	10 Jun 2025 15:42	RC/JU	Ok
2	SSTDCCC040	BF142711.D	10 Jun 2025 16:11	RC/JU	Not Ok
3	SSTDICC2.5	BF142712.D	10 Jun 2025 16:54	RC/JU	Ok
4	SSTDICC005	BF142713.D	10 Jun 2025 17:24	RC/JU	Ok
5	SSTDICC010	BF142714.D	10 Jun 2025 17:53	RC/JU	Ok,M
6	SSTDICC020	BF142715.D	10 Jun 2025 18:22	RC/JU	Ok
7	SSTDICCC040	BF142716.D	10 Jun 2025 18:52	RC/JU	Ok
8	SSTDICC050	BF142717.D	10 Jun 2025 19:21	RC/JU	Ok
9	SSTDICC060	BF142718.D	10 Jun 2025 19:50	RC/JU	Ok
10	SSTDICC080	BF142719.D	10 Jun 2025 20:19	RC/JU	Ok,M
11	SSTDICV040	BF142720.D	10 Jun 2025 20:49	RC/JU	Ok
12	PB168323BL	BF142721.D	10 Jun 2025 21:47	RC/JU	Ok
13	DFTPP	BF142722.D	11 Jun 2025 08:56	RC/JU	Ok
14	SSTDCCC040	BF142723.D	11 Jun 2025 09:24	RC/JU	Ok
15	PB168376BL	BF142724.D	11 Jun 2025 09:53	RC/JU	Ok
16	PB168376BS	BF142725.D	11 Jun 2025 10:22	RC/JU	Ok,M
17	PB168234BS	BF142726.D	11 Jun 2025 10:51	RC/JU	Ok,M
18	PB168285BS	BF142727.D	11 Jun 2025 11:21	RC/JU	Ok,M
19	PB168285BSD	BF142728.D	11 Jun 2025 11:50	RC/JU	Ok,M
20	PB168378BS	BF142729.D	11 Jun 2025 12:19	RC/JU	Ok,M
21	PB168378BSD	BF142730.D	11 Jun 2025 12:49	RC/JU	Ok,M

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF061125

Review By	Rahul	Review On	6/11/2025 9:54:45 AM
Supervise By	Jagrut	Supervise On	6/11/2025 9:58:22 AM
SubDirectory	BF061125	HP Acquire Method	BNA_F
		HP Processing Method	BF061125
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791		
CCC	SP6787		
Internal Standard/PEM	S12668,10ul/1000ul sample		
ICV/I.BLK	SP6770		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	PB168378BL	BF142731.D	11 Jun 2025 13:18	RC/JU	Ok
23	Q2264-04	BF142732.D	11 Jun 2025 13:52	RC/JU	Ok
24	Q2268-10	BF142733.D	11 Jun 2025 14:21	RC/JU	Ok
25	Q2268-03	BF142734.D	11 Jun 2025 14:50	RC/JU	Dilution
26	Q2268-04MS	BF142735.D	11 Jun 2025 15:20	RC/JU	Ok,M
27	Q2268-05MSD	BF142736.D	11 Jun 2025 15:50	RC/JU	Ok
28	Q2268-06	BF142737.D	11 Jun 2025 16:19	RC/JU	Dilution
29	Q2268-07	BF142738.D	11 Jun 2025 16:49	RC/JU	Dilution
30	Q2268-08	BF142739.D	11 Jun 2025 17:19	RC/JU	Dilution
31	Q2273-01	BF142740.D	11 Jun 2025 17:49	RC/JU	Ok
32	Q2273-05	BF142741.D	11 Jun 2025 18:18	RC/JU	Ok
33	Q2273-05MS	BF142742.D	11 Jun 2025 18:48	RC/JU	Ok
34	Q2273-05MSD	BF142743.D	11 Jun 2025 19:18	RC/JU	Ok
35	Q2268-03DL	BF142744.D	11 Jun 2025 19:48	RC/JU	Ok
36	Q2268-03	BF142745.D	11 Jun 2025 20:17	RC/JU	Not Ok
37	Q2280-01	BF142746.D	11 Jun 2025 20:47	RC/JU	ReRun

M : Manual Integration

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF061225

Review By	Rahul	Review On	6/13/2025 8:51:32 AM
Supervise By	mohammad	Supervise On	6/13/2025 9:04:03 AM
SubDirectory	BF061225	HP Acquire Method	BNA_F
		HP Processing Method	BF061125
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791		
CCC	SP6787		
Internal Standard/PEM	S12668,10ul/1000ul sample		
ICV/I.BLK	SP6770		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF142747.D	12 Jun 2025 09:21	RC/JU	Ok
2	SSTDCCC040	BF142748.D	12 Jun 2025 09:50	RC/JU	Ok
3	PB168376BL	BF142749.D	12 Jun 2025 10:56	RC/JU	Not Ok
4	PB168259BS	BF142750.D	12 Jun 2025 11:25	RC/JU	Ok
5	PB168412BL	BF142751.D	12 Jun 2025 11:54	RC/JU	Ok
6	PB168412BS	BF142752.D	12 Jun 2025 12:24	RC/JU	Ok
7	Q2268-06DL	BF142753.D	12 Jun 2025 13:00	RC/JU	Ok
8	Q2268-07DL	BF142754.D	12 Jun 2025 13:29	RC/JU	Ok
9	Q2268-08DL	BF142755.D	12 Jun 2025 13:59	RC/JU	Ok
10	Q2280-01	BF142756.D	12 Jun 2025 14:29	RC/JU	Ok,M
11	Q2176-02	BF142757.D	12 Jun 2025 14:58	RC/JU	Ok
12	Q2287-01	BF142758.D	12 Jun 2025 15:28	RC/JU	Ok
13	Q2296-09	BF142759.D	12 Jun 2025 15:57	RC/JU	Ok
14	Q2296-09MS	BF142760.D	12 Jun 2025 16:27	RC/JU	Ok
15	Q2296-09MSD	BF142761.D	12 Jun 2025 16:57	RC/JU	Ok
16	Q2223-01	BF142762.D	12 Jun 2025 17:27	RC/JU	Ok
17	Q2223-03	BF142763.D	12 Jun 2025 17:57	RC/JU	Ok
18	Q2224-01	BF142764.D	12 Jun 2025 18:27	RC/JU	Ok,M
19	Q2225-01	BF142765.D	12 Jun 2025 18:57	RC/JU	Ok,M
20	Q2206-01	BF142766.D	12 Jun 2025 19:26	RC/JU	Ok,M
21	Q2195-01	BF142767.D	12 Jun 2025 19:56	RC/JU	Ok,M

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF061225

Review By	Rahul	Review On	6/13/2025 8:51:32 AM
Supervise By	mohammad	Supervise On	6/13/2025 9:04:03 AM
SubDirectory	BF061225	HP Acquire Method	BNA_F
		HP Processing Method	BF061125
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791		
CCC	SP6787		
Internal Standard/PEM	S12668,10ul/1000ul sample		
ICV/I.BLK	SP6770		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	Q2283-01	BF142768.D	12 Jun 2025 20:26	RC/JU	Ok,M
23	Q2278-01	BF142769.D	12 Jun 2025 20:56	RC/JU	Ok
24	Q2286-01	BF142770.D	12 Jun 2025 21:25	RC/JU	Not Ok

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF061125

Review By	Rahul	Review On	6/11/2025 9:54:45 AM
Supervise By	Jagrut	Supervise On	6/11/2025 9:58:22 AM
SubDirectory	BF061125	HP Acquire Method	BNA_F
		HP Processing Method	BF061125

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12668,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF142710.D	10 Jun 2025 15:42		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF142711.D	10 Jun 2025 16:11	A Fresh Calibration is required.	RC/JU	Not Ok
3	SSTDICC2.5	SSTDICC2.5	BF142712.D	10 Jun 2025 16:54		RC/JU	Ok
4	SSTDICC005	SSTDICC005	BF142713.D	10 Jun 2025 17:24		RC/JU	Ok
5	SSTDICC010	SSTDICC010	BF142714.D	10 Jun 2025 17:53		RC/JU	Ok,M
6	SSTDICC020	SSTDICC020	BF142715.D	10 Jun 2025 18:22		RC/JU	Ok
7	SSTDICCC040	SSTDICCC040	BF142716.D	10 Jun 2025 18:52	Calibration is Good for 8270 E, 8270 DOD and 625.1 methods.	RC/JU	Ok
8	SSTDICC050	SSTDICC050	BF142717.D	10 Jun 2025 19:21		RC/JU	Ok
9	SSTDICC060	SSTDICC060	BF142718.D	10 Jun 2025 19:50		RC/JU	Ok
10	SSTDICC080	SSTDICC080	BF142719.D	10 Jun 2025 20:19	Compound #09 removed from 80 PPM.	RC/JU	Ok,M
11	SSTDICV040	ICVBF061125	BF142720.D	10 Jun 2025 20:49		RC/JU	Ok
12	PB168323BL	PB168323BL	BF142721.D	10 Jun 2025 21:47		RC/JU	Ok
13	DFTPP	DFTPP	BF142722.D	11 Jun 2025 08:56		RC/JU	Ok
14	SSTDCCC040	SSTDCCC040	BF142723.D	11 Jun 2025 09:24		RC/JU	Ok
15	PB168376BL	PB168376BL	BF142724.D	11 Jun 2025 09:53		RC/JU	Ok
16	PB168376BS	PB168376BS	BF142725.D	11 Jun 2025 10:22		RC/JU	Ok,M
17	PB168234BS	PB168234BS	BF142726.D	11 Jun 2025 10:51		RC/JU	Ok,M

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF061125

Review By	Rahul	Review On	6/11/2025 9:54:45 AM		
Supervise By	Jagrut	Supervise On	6/11/2025 9:58:22 AM		
SubDirectory	BF061125	HP Acquire Method	BNA_F	HP Processing Method	BF061125
STD. NAME		STD REF.#			
Tune/Reschk	SP6757				
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791				
CCC	SP6787				
Internal Standard/PEM	S12668,10ul/1000ul sample				
ICV/I.BLK	SP6770				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

18	PB168285BS	PB168285BS	BF142727.D	11 Jun 2025 11:21		RC/JU	Ok,M
19	PB168285BSD	PB168285BSD	BF142728.D	11 Jun 2025 11:50		RC/JU	Ok,M
20	PB168378BS	PB168378BS	BF142729.D	11 Jun 2025 12:19		RC/JU	Ok,M
21	PB168378BSD	PB168378BSD	BF142730.D	11 Jun 2025 12:49		RC/JU	Ok,M
22	PB168378BL	PB168378BL	BF142731.D	11 Jun 2025 13:18		RC/JU	Ok
23	Q2264-04	EF-WW	BF142732.D	11 Jun 2025 13:52	Surrogate and Internal Standard Failed	RC/JU	Ok
24	Q2268-10	FB-20250605	BF142733.D	11 Jun 2025 14:21		RC/JU	Ok
25	Q2268-03	MW-2-20250605	BF142734.D	11 Jun 2025 14:50	Need 2X Dilution	RC/JU	Dilution
26	Q2268-04MS	MW-2-20250605MS	BF142735.D	11 Jun 2025 15:20		RC/JU	Ok,M
27	Q2268-05MSD	MW-2-20250605MSD	BF142736.D	11 Jun 2025 15:50		RC/JU	Ok
28	Q2268-06	MW-2-20250605-A	BF142737.D	11 Jun 2025 16:19	Need 2X Dilution	RC/JU	Dilution
29	Q2268-07	MW-6-20250605	BF142738.D	11 Jun 2025 16:49	Internal Standard Fail, Need 2X Dilution	RC/JU	Dilution
30	Q2268-08	MW-3-20250605	BF142739.D	11 Jun 2025 17:19	Internal Standard Fail, Need 2X Dilution	RC/JU	Dilution
31	Q2273-01	WC-4	BF142740.D	11 Jun 2025 17:49		RC/JU	Ok
32	Q2273-05	WC-6	BF142741.D	11 Jun 2025 18:18		RC/JU	Ok
33	Q2273-05MS	WC-6MS	BF142742.D	11 Jun 2025 18:48		RC/JU	Ok
34	Q2273-05MSD	WC-6MSD	BF142743.D	11 Jun 2025 19:18		RC/JU	Ok
35	Q2268-03DL	MW-2-20250605DL	BF142744.D	11 Jun 2025 19:48		RC/JU	Ok

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF061125

Review By	Rahul	Review On	6/11/2025 9:54:45 AM		
Supervise By	Jagrut	Supervise On	6/11/2025 9:58:22 AM		
SubDirectory	BF061125	HP Acquire Method	BNA_F	HP Processing Method	BF061125

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12668,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

36	Q2268-03	MW-2-20250605	BF142745.D	11 Jun 2025 20:17	Already analyzed with OK status	RC/JU	Not Ok
37	Q2280-01	VNJ-210	BF142746.D	11 Jun 2025 20:47	Internal standard fail	RC/JU	ReRun

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF061225

Review By	Rahul	Review On	6/13/2025 8:51:32 AM
Supervise By	mohammad	Supervise On	6/13/2025 9:04:03 AM
SubDirectory	BF061225	HP Acquire Method	BNA_F
		HP Processing Method	BF061125

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12668,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF142747.D	12 Jun 2025 09:21		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF142748.D	12 Jun 2025 09:50		RC/JU	Ok
3	PB168376BL	PB168376BL	BF142749.D	12 Jun 2025 10:56	Analyzed for contamination check	RC/JU	Not Ok
4	PB168259BS	PB168259BS	BF142750.D	12 Jun 2025 11:25		RC/JU	Ok
5	PB168412BL	PB168412BL	BF142751.D	12 Jun 2025 11:54		RC/JU	Ok
6	PB168412BS	PB168412BS	BF142752.D	12 Jun 2025 12:24		RC/JU	Ok
7	Q2268-06DL	MW-2-20250605-ADL	BF142753.D	12 Jun 2025 13:00		RC/JU	Ok
8	Q2268-07DL	MW-6-20250605DL	BF142754.D	12 Jun 2025 13:29		RC/JU	Ok
9	Q2268-08DL	MW-3-20250605DL	BF142755.D	12 Jun 2025 13:59		RC/JU	Ok
10	Q2280-01	VNJ-210	BF142756.D	12 Jun 2025 14:29		RC/JU	Ok,M
11	Q2176-02	TP-56	BF142757.D	12 Jun 2025 14:58		RC/JU	Ok
12	Q2287-01	CONCRETE-SLAB	BF142758.D	12 Jun 2025 15:28		RC/JU	Ok
13	Q2296-09	WC-3	BF142759.D	12 Jun 2025 15:57		RC/JU	Ok
14	Q2296-09MS	WC-3MS	BF142760.D	12 Jun 2025 16:27		RC/JU	Ok
15	Q2296-09MSD	WC-3MSD	BF142761.D	12 Jun 2025 16:57		RC/JU	Ok
16	Q2223-01	HR-01-06042025	BF142762.D	12 Jun 2025 17:27		RC/JU	Ok
17	Q2223-03	HR-04-06042025	BF142763.D	12 Jun 2025 17:57		RC/JU	Ok

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF061225

Review By	Rahul	Review On	6/13/2025 8:51:32 AM		
Supervise By	mohammad	Supervise On	6/13/2025 9:04:03 AM		
SubDirectory	BF061225	HP Acquire Method	BNA_F	HP Processing Method	BF061125
STD. NAME		STD REF.#			
Tune/Reschk		SP6757			
Initial Calibration Stds		SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791			
CCC		SP6787			
Internal Standard/PEM		S12668,10ul/1000ul sample			
ICV/I.BLK		SP6770			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

18	Q2224-01	EO-01-06042025	BF142764.D	12 Jun 2025 18:27		RC/JU	Ok,M
19	Q2225-01	SU-03-06042025	BF142765.D	12 Jun 2025 18:57		RC/JU	Ok,M
20	Q2206-01	TP-1	BF142766.D	12 Jun 2025 19:26		RC/JU	Ok,M
21	Q2195-01	OK-01-060325	BF142767.D	12 Jun 2025 19:56		RC/JU	Ok,M
22	Q2283-01	MOO-25-0166-MOO-25	BF142768.D	12 Jun 2025 20:26		RC/JU	Ok,M
23	Q2278-01	TP-2	BF142769.D	12 Jun 2025 20:56		RC/JU	Ok
24	Q2286-01	LAW-25-0082-LAW-250	BF142770.D	12 Jun 2025 21:25	Out of Tune time.	RC/JU	Not Ok

M : Manual Integration

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

Clean Up SOP #: N/A **Extraction Start Date :** 06/10/2025

Matrix : Water **Extraction Start Time :** 08:10

Weigh By: N/A **Extraction By:** RS **Extraction End Date :** 06/10/2025

Balance check: N/A **Filter By:** RJ **Extraction End Time :** 13:05

Balance ID: N/A **pH Meter ID:** N/A **Concentration By:** EH

pH Strip Lot#: E3880 **Hood ID:** 4,5,6,7 **Supervisor By :** RUPESH

Extraction Method: ☒ Separatory Funnel ☐ Continuous 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	SP6794
Surrogate	1.0ML	100/150 PPM	SP6754
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3939
Baked Na2SO4	N/A	EP2620
10N NaoH	N/A	EP2609
H2SO4 1:1	N/A	EP2610
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# 2210443. pH Adjusted<2 with 1:1 H2SO4 &>11 with 10 N NaOH.

KD Bath ID: WATER BATH-1,2 **Envap ID:** NEVAP-02

KD Bath Temperature: 60 °C **Envap Temperature:** 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
06/10/25	RP (Ext Lab)	RLSVOC
13:10	Preparation Group	Analysis Group

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

Concentration Date: 06/10/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168376BL	SBLK376	SVOCMS Group1	1000	6	RUPESH	rajesh	1			SEP-1
PB168376BS	SLCS376	SVOCMS Group1	1000	6	RUPESH	rajesh	1			2
Q2268-03	MW-2-20250605	SVOCMS Group1	960	6	RUPESH	rajesh	1	E		3
Q2268-04	Q2268-03MS	SVOCMS Group1	960	6	RUPESH	rajesh	1	E		4
Q2268-05	Q2268-03MSD	SVOCMS Group1	960	6	RUPESH	rajesh	1	E		5
Q2268-06	MW-2-20250605-A	SVOCMS Group1	960	6	RUPESH	rajesh	1	E		6
Q2268-07	MW-6-20250605	SVOCMS Group1	960	6	RUPESH	rajesh	1	E		7
Q2268-08	MW-3-20250605	SVOCMS Group1	960	6	RUPESH	rajesh	1	E		8
Q2268-10	FB-20250605	SVOCMS Group1	970	6	RUPESH	rajesh	1	E		9

* Extracts relinquished on the same date as received.

8/10/25

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2268 WorkList ID : 190061 Department : Extraction Date : 06-10-2025 08:04:59

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2268-03	MW-2-20250605	Water	SVOCMS Group1	Cool 4 deg C	PARS02	D41	06/05/2025	8270E
Q2268-04	Q2268-03MS	Water	SVOCMS Group1	Cool 4 deg C	PARS02	D41	06/05/2025	8270E
Q2268-05	Q2268-03MSD	Water	SVOCMS Group1	Cool 4 deg C	PARS02	D41	06/05/2025	8270E
Q2268-06	MW-2-20250605-A	Water	SVOCMS Group1	Cool 4 deg C	PARS02	D41	06/05/2025	8270E
Q2268-07	MW-6-20250605	Water	SVOCMS Group1	Cool 4 deg C	PARS02	D41	06/05/2025	8270E
Q2268-08	MW-3-20250605	Water	SVOCMS Group1	Cool 4 deg C	PARS02	D41	06/05/2025	8270E
Q2268-10	FB-20250605	Water	SVOCMS Group1	Cool 4 deg C	PARS02	D41	06/05/2025	8270E

Date/Time 06/10/25 8:05
 Raw Sample Received by: R. (see last)
 Raw Sample Relinquished by: Ad S

Date/Time 06/10/25 8:40
 Raw Sample Received by: Ad S
 Raw Sample Relinquished by: R. (see last)



SHIPPING DOCUMENTS

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: Parsons
ADDRESS: 301 Plainfield Rd
CITY Syracuse STATE: NY ZIP:
ATTENTION: Stephen Liberatore
PHONE: 315-418-8767 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: 455 Con Ed Atlantic Ave
PROJECT NO.: 153957-0100 LOCATION: Brooklyn, NY
PROJECT MANAGER: Stephen Liberatore
e-mail: Stephen.Liberatore@parsons.com
PHONE: 315-8767 FAX:

CLIENT BILLING INFORMATION

BILL TO: Parsons PO#:
ADDRESS: 301 Plainfield Rd
CITY Syracuse STATE: NY ZIP: 13212
ATTENTION: Stephen Liberatore PHONE: 315-418-8767

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) Standard 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

VOCs+TICs
SVOCs+TICs
Sulfate
TDS

PRESERVATIVES

COMMENTS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS
			COMP	GRAB	DATE	TIME		A	E	E	E						
								1	2	3	4	5	6	7	8	9	
1.	MW-4-20250605	W		X	6/5/25	0920	4	X		X	X						
2.	MW-5-20250605	W		X	6/5/25	1040	4	X		X	X						
3.	MW-2-20250605	W		X	6/5/25	1215	15	X	X	X	X						MS/MSD
4.	MW-2-20250605-a	W		X	6/5/25	1215	5	X	X	X	X						FD
5.	MW-6-20250605	W		X	6/5/25	1350	5	X	X	X	X						
6.	MW-3-20250605	W		X	6/5/25	1445	5	X	X	X	X						
7.	TB-20250605	W		X	6/5/25	—	2	X									
8.	FB-20250605	W		X	6/5/25	1500	5	X	X	X	X						
9.																	
10.																	

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

RELINQUISHED BY SAMPLER: 1. <u>[Signature]</u>	DATE/TIME: <u>6-5-25/1330</u>	RECEIVED BY: 1. <u>[Signature]</u> <u>6-6-25</u>	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP <u>3.1</u> °C
RELINQUISHED BY SAMPLER: 2. <u>[Signature]</u>	DATE/TIME:	RECEIVED BY: 2. <u>[Signature]</u>	Comments: <u>Please cc kirsten.valentini@parsons.com</u>
RELINQUISHED BY SAMPLER: 3. <u>[Signature]</u>	DATE/TIME: <u>6-6-25</u>	RECEIVED BY: 3. <u>[Signature]</u>	CLIENT: ☐ Hand Delivered ☐ Other

Page ____ of ____

Shipment Complete
☐ YES ☐ NO

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 : Q2268 PARS02

Order Date : 6/6/2025 2:21:00 PM

Project Mgr :

Client Name : PARSONS Engineering of I

Project Name : Con Ed Non MGP – Atlanti

Report Type : Results Only

Client Contact : Stephen Liberatore

Receive DateTime : 6/6/2025 12:00:00 AM

EDD Type : Excel NY

Invoice Name : PARSONS Engineering of I

Purchase Order :

Hard Copy Date :

Invoice Contact : Stephen Liberatore

Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2268-01	MW-4-20250605	Water	06/05/2025	09:20					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q2268-02	MW-5-20250605	Water	06/05/2025	10:40					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q2268-03	MW-2-20250605	Water	06/05/2025	12:15					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q2268-04	Q2268-03MS	Water	06/05/2025	12:15					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q2268-05	Q2268-03MSD	Water	06/05/2025	12:15					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q2268-06	MW-2-20250605-A	Water	06/05/2025	12:15					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q2268-07	MW-6-20250605	Water	06/05/2025	13:50					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q2268-08	MW-3-20250605	Water	06/05/2025	14:45					

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2268 PARS02	Order Date : 6/6/2025 2:21:00 PM	Project Mgr :
Client Name : PARSONS Engineering of I	Project Name : Con Ed Non MGP - Atlanti	Report Type : Results Only
Client Contact : Stephen Liberatore	Receive DateTime : 6/6/2025 12:00:00 AM	EDD Type : Excel NY
Invoice Name : PARSONS Engineering of I	Purchase Order : 1642	Hard Copy Date :
Invoice Contact : Stephen Liberatore		Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2268-09	TB-20250605	Water	06/05/2025	00:00	VOCMS Group1		8260-Low	10 Bus. Days	
Q2268-10	FB-20250605	Water	06/05/2025	15:00	VOCMS Group1		8260-Low	10 Bus. Days	
					VOCMS Group1		8260-Low	10 Bus. Days	

Relinquished By : 

Date / Time : 6/9/25 0845

Received By : 

Date / Time : 06/09/25 8.45 AM 4

SAMPLES RECEIVED ON 6/6/25 @ 1642
PLACED IN SM-REF-2

Storage Area : VOA Refridgerator Room